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Phase One Environmental Site Assessment

363 Entrepreneur Crescent
Ottawa, Ontario

Prepared for:

Entrepreneur Holding Corporation
363 Entrepreneur Crescent
Vars, Ontario

Attention: Dustin Wilson

EXECUTIVE SUMMARY

Entrepreneur Holding Corporation has retained LRL Engineering (LRL) to complete a Phase One Environmental Site Assessment (ESA) on the properties located at 363 Entrepreneur Crescent, Ottawa, Ontario (herein referred to as the “Site”). The Site is presently generally undeveloped with exception to a granular base applied across the majority of the surface of the property and is used as a storage yard for the adjacent YSB Hoisting equipment facility, located immediately east of the Site. The Site is set within a low-density commercial and light industrial area of Ottawa, Ontario.

This assessment was conducted to identify potential environmental concerns or liabilities related to the past and present operations conducted on the property and the adjacent lands. A historical records review of the Site was conducted, as well as contact with relevant regulatory agencies, a walk-through Site inspection of the property and interviews with those knowledgeable of the Site. The assessment was conducted in the context of property development, in support of a Site Plan Application package to the City of Ottawa for the development of an industrial warehouse facility.

The subject Site and neighbouring lands are not serviced by municipal water supply. The shallow groundwater table is approximately 27 m bgs and the area draws potable water from ground sources, hence the area can be considered to be Table 2 Industrial Commercial Community (ICC) Use in a potable groundwater condition. The potable groundwater is found in the shale bedrock in the 27 m to 31.5 m bgs. According to available MECP water well records, bedrock is found to be between approximate 23 and 32 m below grade (estimated 46 and 55 m amsl).

Using the available features of the interactive mapping tool, The Atlas of Canada – Toporama, it appears that the local groundwater flow direction varies on either side of the neighbouring Boundary Road. West of Boundary Road is inferred to flow in a northerly to northwesterly direction towards the Bear Brook, approximately 2.2 km to the northwest of the Site. Surface water features to the east of Boundary Road, where the Site is located, are shown to flow easterly towards the Shaw’s Creek, approximately 3.3 km east of the Site. Therefore, the groundwater flow direction across the Site is inferred to be towards the east. An un-named water course is identified along the northern perimeter of Site, however the flow direction was not confirmed at the time of this assessment, and a municipal ditch borders the southern perimeter of the Site.

The Site is a rectangular shape, with a total area of approximately 3000 m² or 0.75 acre. The topography of the Site and vicinity are generally flat land with a slight slope towards the south-west. The Site is accessible by way of Entrepreneur Crescent.

Historically, the Site was used agricultural lands, since at least the mid-1960’s (1965). Thereafter, the Site remained undeveloped and densely wooded until approximately 2017, when the vegetation was cleared. Furthermore, the activities on adjacent lands within 250 m from at least the early-1990’s to present have been mainly commercial and light industrial.

Based on the results of the Phase One Environmental Site Assessment the following areas of potential environmental concern were identified:



O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 32: Iron and Steel Manufacturing and Processing	On-Site	The adjacent property hoist equipment manufacturing and rental company (YSB Hoisting equipment facility), is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Associated material and equipment are stored on the Site. This was observed through aerial photography and Site visit.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-Site APEC.
PCA 30: Importation of Fill Materials of Unknown Quality	On-Site	Identified through aerial imagery and confirmed by the interview with the Site owner.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-site APEC.
PCA 32: Iron and Steel Manufacturing and Processing	357 Entrepreneur Crescent, immediately east of the Site.	Adjacent property immediately east of the Site occupied by a hoist equipment rental company (YSB Hoisting Equipment & YSB Carpentry facility). Industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Observed through aerial photography and Site visit.	Due to the type of the activity and location being along the eastern perimeter of the Site, this record is considered to represent an APEC to the eastern portion of the Site.
PCA Other: Construction company workshop and storage yard	371 Entrepreneur Crescent, immediately west of the Site.	Construction company workshop and storage yard. Observed through aerial photography and Site visit	Due to the type of the activity and location being along the western perimeter of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 28: Gasoline and Associated Products Storage in Fixed Tanks.	Identified at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient).	Reported to be an abandoned service station, with records of underground liquid fuel storage tanks.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.



O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 34: Metal Fabrication.	5507 Boundary Road, approximately 170 m west (up-gradient) of the Site.	Listed as Renes Welding Inc., a fabricated metal products facility established in 1982.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 52: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	381 Entrepreneur Crescent approximately 40 m to the west of Site used as vehicle storage yard.	Observed through the site visit and Aerial photos	The yard is located generally up-gradient of the Site and therefore presents a potential risk for environmental concern to the Site.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Immediately north of the Site.	Based on observations at the time of the site reconnaissance, the adjacent land to the north operates as a snow dumping facility.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the northern portion of the Site.

Based on the findings of the Phase One ESA, it is recommended that a Phase Two ESA be conducted on the Site to confirm the presence/absence of impacts in the areas of potential environmental concern identified.



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1 INTRODUCTION

Entrepreneur Holding Corporation has retained LRL Engineering (LRL) to complete a Phase One Environmental Site Assessment (ESA) on the property located at 363 Entrepreneur Crescent, in Ottawa, Ontario (herein referred to as the “Site”). The Site is presently generally undeveloped with exception to a granular base applied across the majority of the surface of the Site and is used as a storage yard for the adjacent YSB Hoisting Equipment & YSB Carpentry facility. The Site set within a low-density commercial and light industrial area of Ottawa, Ontario, southeast of the City’s urban extents. Historically, the Site was used agricultural lands, since at least the mid-1960’s (1965). Thereafter, the Site remained undeveloped and densely wooded until approximately 2017, when the vegetation was cleared.

This assessment was conducted to identify potential environmental concerns or liabilities related to the past and present operations conducted on the property and the adjacent lands. A historical records review of the Site was conducted, as well as contact with relevant regulatory agencies, a walk-through Site inspection of the property and interviews with those knowledgeable of the Site. The assessment was conducted in the context of property development, in support of a Site Plan Application package to the City of Ottawa for the development of an industrial warehouse facility. The assessment was completed as per Canadian Standards Association (CSA) Standards. Should a Record of Site Condition (RSC) be required, the due diligence report will need to be revised to meet the Requirements of O. Reg. 153/04 as amended.

The Site is a rectangular shape, with a total area of approximately 3000 m² or 0.75 acre. The Site is presently generally undeveloped with exception to a granular base applied across the majority of the surface of the property and is used as a storage yard for the adjacent YSB Hoisting equipment facility, located immediately east. Historically, the Site was used agricultural fields, since at least the mid-1960’s (1965). Thereafter, the Site remained undeveloped and densely wooded until approximately 2017, when the vegetation was cleared. Current use for materials and equipment storage associated with the adjacent facilities operations has been underway since 2021. Neighbouring lands include commercial and light industrial developments since at least the early 1990’s. The topography of the Site and vicinity are generally flat.

Using the available features of the interactive mapping tool, *The Atlas of Canada – Toporama*, it appears that the local groundwater flow direction varies on either side of the neighbouring Boundary Road. West of Boundary Road is inferred to flow in a northerly to northwesterly direction towards the Bear Brook, approximately 2.2 km to the northwest of the Site. Surface water features to the east of Boundary Road, where the Site is located, are shown to flow easterly towards the Shaws Creek, approximately 3.3 km east of the Site. Therefore, the groundwater flow direction across the Site is inferred to be towards the east. An un-named water course is identified along the northern perimeter of Site, however the flow direction was not confirmed at the time of this assessment, and a municipal ditch borders the southern perimeter of the Site.

Municipal water supply and sanitary services are not available for the Site. The neighbouring lands are equipped with private water wells, and on-site sewage disposal systems. The potable groundwater is found in the shale bedrock, at depth between 27.0 m and 31.5 m below ground surface (bgs). Based on available geological data reviewed as part of this assessment, and the confirmed potable groundwater conditions, the area can be considered to be Table 8 Industrial Commercial Community (ICC) Use for Properties within 30 m of a Water Body in a Potable Groundwater Condition.

1.1 Phase One Property Information

The Phase One Property Information is summarized below in the following **Table 1** and **Table 2**:

Table 1: Phase One Property Information – Authorized and Regulation

Parameters	Information
Work Authorization	The formal authorization to proceed with the Phase One ESA was received by LRL on September 2, 2022.
Purpose of Phase One ESA	<p>A Phase One ESA is required for the above referenced property in support of a Site Plan Application with the City of Ottawa, to support the proposed development of an industrial warehouse structure.</p> <p>This assessment was conducted to identify potential environmental concerns or liabilities related to the past and present operations conducted on the property and the adjacent lands. The Phase One ESA identifies the existing environmental conditions and potential environmental liabilities associated with the subject property, focusing on the possible presence of contamination on the property. It includes a review of available information (historical data and aerial photographs) and a visual Site inspection to assess potential evidence of past or present activities conducted on the property itself and on adjacent properties that could be potentially contaminating activities (PCA).</p> <p>Potential contamination represents the uncontrolled release of foreign substances within the natural environment. Such an event can result in air, soil and groundwater contamination that may represent environmental liabilities towards the Site and perhaps towards adjacent properties. The ESA evaluates in a consistent manner, within the time constraints imposed for this report, whether such events have occurred at this Site. This level of work is a method of risk reduction and does not eliminate risk for the client.</p>
Record of Site Condition	Not Applicable. An application for a Record of Site Condition (RSC) is not required as part of the proposed land re-development activities.
Regulation/Guideline used for Phase One ESA	<ul style="list-style-type: none"> Canadian Standards Association (CSA) Phase One Environmental Site Assessment, Z768 01 (R2016); and Ontario Regulation (O. Reg.) 153/04, as amended
Sampling and Testing	<p>As part of a Phase One ESA, in-situ sampling, measuring, testing or analysing the conditions and characteristics of soil, groundwater, or building materials (if applicable), across the subject Phase One ESA site is not included.</p> <p>These activities would be completed as part of a Phase Two ESA or a designated substance and hazardous material survey, if required.</p>
Reliance of Report	This report is intended for the sole use of Entrepreneur Holding Corporation and their authorized agents. LRL Engineering will not be responsible for any use of the information contained within this report by any third party.



Table 2: Phase One Property Information

Parameter	Information
Location/Address	363 Entrepreneur Crescent, Ottawa, Ontario The location of the Site is presented in the included Figure 1 .
Property Identification Number (PIN)	PIN#: 14558-0401 (LT)
Legal Description	Part of block 3 Plan 50M136 Part 3 ON Plan 50R6694; Subject to an Easement in Gross Over Part 9 ON Plan 4R-27830 As in OC1627867; City of Ottawa.
Dimensions	Rectangular shape, being approximately 38 m wide (east-west) by approximately 82 m (north-south). The general Site configuration is shown on the Site Plan in Figure 2 . For the purposes of this report, Entrepreneur Crescent will be inferred as running in an east-west direction.
Area	Approximately 3000 m ² or 0.75 acre.
Frontage / Access to Phase One ESA Property	Entrepreneur Crescent along southern extent.
Occupancy	Storage yard for adjacent YSB Hoisting equipment facility.
Current Land Use	Warehouse, light industrial use. The Phase One ESA property has been used as a storage yard for hoisting equipment for the neighboring industrial company since at least mid of 2022.
Proposed Land Use	Industrial Warehouse – Including office space and open warehousing (no manufacturing activity).
Zoning	Rural General Industrial Zone (RG2)
Phase One ESA Property Owner	Entrepreneur Holdings Corporation as of July 2022.
Phase One ESA Property Contact	Dustin Wilson

LRL Engineering was retained by the Phase One ESA Property owner to complete the Phase One ESA.



2 SCOPE OF INVESTIGATION

The Phase One ESA scope of the investigation is generally summarized in the following **Table 3**:

Table 3: Phase One ESA Scope of Investigation

Parameter	Information
Regulation/Guideline used as part of the Phase One ESA	<p>The Phase One ESA was carried out in general accordance to the following regulations and guidelines:</p> <ul style="list-style-type: none"> Canadian Standards Association (CSA) Phase One Environmental Site Assessment, Z768 01 (R2016); and Parts I through VI of Schedule D of O. Reg. 153/04, as amended, made under the Environmental Protection Act (R.S.O. 1990, Chapter E.19).
Records Review	<p>The Phase One ESA study area included a minimum radius from the Site boundaries of 250 m. Extending the study area beyond that of the 250 m radius would be dependant upon the sensitivity of the Site relative to surrounding properties. At this juncture, extending the area of influence is not warranted since the condition of the subsurface is relatively unknown and a Phase Two ESA has not been undertaken.</p> <p>The records which were reviewed and interpreted as part of the assessment, for the Phase One ESA property, and the Phase One ESA study area, included: Chain of Title Search; Fire Insurance Plans; Aerial Photographs including historical and current imagery; Topographical, Physiography, and Geological Maps; Previous Investigation reports for the Phase One ESA property, including Phase One ESAs, Phase Two ESA, or Geotechnical Reports; Well Head Protection Areas, Areas of Natural and Scientific Interest (ANSI) as maintained by the Ontario Ministry of Natural Resources; Water Well Information Systems; Permits to Take Water; Waste Disposal sites; Waste Generators & Receiver Information (Ontario Regulation 347); Private & Retail Fuel Storage Tanks (TSSA); Coal Gasification Plants and Coal Tar and Related Tar Industries, Certificates of Approval; Environmental Compliance Reports; Orders; Spills; Notices; Offences or Inspection Reports by the Ontario Ministry of the Environment, Conservation and Parks (MECP); Inventory of PCB Storage Sites; RSC on adjoining property; Certificates of Property Use; National Pollution Release Inventory (NPRI); National PCB Inventory; and all other available illustrated atlases, land registry records and government records.</p> <p>A Freedom of Information (FOI) request was made to the MECP, as well as to the City of Ottawa, for a record search in relation to reportable spills, orders, and convictions associated with the Phase One Property.</p> <p>A Historical Land Use Inventory (HLUI) request was made to the City of Ottawa as part of this Phase One ESA.</p> <p>EcoLog Environmental Risk Information Service (ERIS) was obtained to complete searches in all available environmental databases, including but not limited to the following:</p> <ul style="list-style-type: none"> National Pollutant Release Inventory (NPRI); PCB information; Environmental Approvals, permits and certificates; Inventory of coal gas plants; Records concerning environmental incidents;

Parameter	Information
	<ul style="list-style-type: none"> • Waste management records including Ontario Regulation 347 Waste • Generators; • Fuel storage tanks information including Technical Standards and Safety • Authority (TSSA) database; • Landfill information; and • Records of Site Condition
Interview	Interviewing current and previous owners and/or tenants and local and provincial authorities who have knowledge of the Phase One ESA property.
Site Reconnaissance	<p>The Site reconnaissance consisted of a walk-through of the Phase One Property including a visual inspection of the current land use for the purpose of validating the current and past land uses of Phase One Property that will be identified by the historical searches.</p> <p>The Phase One Study Area was viewed from publicly accessible areas and vantage points.</p> <p>The observations of the Phase One ESA property, and those of the Phase One Study Area, were used to further identify the potential presence of staining, or distressed vegetation which may be indication of a possible environmental concern.</p>
Records and Observations Evaluation	The information gathered from the records review, interview, and Site reconnaissance were reviewed and evaluated for any Potentially Contaminating Activities (PCAs) and any Areas of Potential Environmental Concerns (APECs).
Reporting	Preparation of a Phase One ESA Report, that includes and summarizes the findings of the assessment and records evaluation and provides recommendations for further investigation (if necessary).

This report will present the results of the ESA carried out between November 17th, 2022 and January 05th, 2023.



3 RECORDS REVIEW

3.1 General

The historical records review of current and past land use of the Phase One Property and the Phase One Study Area included:

- Land registry records;
- Chain of Title Search;
- Fire Insurance Plans;
- Topographical, Physiographical, Geological Maps; and,
- Aerial photographs (historical and current).

3.1.1 Phase One Study Area Determination

The Phase One ESA Study area was established as 250 m from the Phase One ESA Site boundaries. Extending the study area beyond that of the 250 m radius would be dependant upon the sensitivity of the Site relative to surrounding properties. At this juncture, extending the area of influence is not warranted since the condition of the subsurface is relatively unknown and a Phase Two ESA has not been undertaken.

3.1.2 First Developed Use Determination

First developed use is defined by O. Reg. 153/04 Section 22(1) as the first property use after 1875 that resulted in a building or structure or the first potentially contaminating activity, whichever is earlier. The first development use was established from a review of available Aerial Photographs (Section 3.6.1 for further detail); City Directory (Section 3.2 for further detail) in addition to observations made at the time the Site Reconnaissance.

Historically, the Site was used agricultural fields, since at least the mid-1960's (1965). Thereafter, the Site remained undeveloped and densely wooded until approximately 2017, when the vegetation was cleared. Current use for materials and equipment storage associated with the adjacent facilities operations has been underway since 2021.

3.1.3 Fire Insurance Plans

Fire Insurance Plans (FIP) mapped streets and buildings of urban Canada in great detail and illustrate building construction, occupancy and potential fire hazards. They also provide detailed information regarding storage tanks, transformers, boilers and electrical rooms. The original plans were produced between 1875 and 1923 and continued to be produced and updated until production ceased in 1974.

No Fire Insurance Plans were found for the Site.

3.1.4 Property Underwriters' Report

Property Underwriters Site Plans and Reports provide detailed information on a site-specific basis and include descriptions of building construction, heating sources, production processes, and the presence of chemicals or materials which may be stored on Site. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers, and storage tanks.

No Property Underwriters' Reports were retrieved for the site as part of this ESA.



3.2 Chain of Title

Land Titles contain legal title information concerning property ownership, transfer details, and any encumbrances such as mortgages or easements. Each time a new transaction occurs, property records are updated as soon as the instrument is registered. Schedule D of O. Reg. 153/04, as amended, specifies that the Chain of Title search should include all titles to date, dating back to Crown land. As this Phase One ESA is not required for an RSC, the Chain of Title search was not completed back to Crown land, but rather only ` recent exchanges.

The search of the Service Ontario Land Registry Office was completed by ERIS on December 15, 2022. A copy of the Chain of Title is included in **Appendix A**, and a summary of the pertinent information retrieved is summarized below in **Table 4**.

Table 4: Chain of Title

Property/PIN #	Details
363 Entrepreneur Crescent /PIN#: 14558-0401 (LT)	The records reveal that the Site was transferred to Entrepreneur Holding Corporation from 2751428 Ontario Inc. on July 14, 2022.

3.3 Environmental Reports

No previous environmental reports were provided to LRL to review as part of this investigation.

3.4 City Directories

City directories have been produced for most urban and some rural areas since the late 1800s. These directories are often archived in research and municipal libraries. The directories are generally not comprehensive and may contain gaps in time periods. Where available, city directories were reviewed in a minimum five-year increment to determine historical property use of the subject and adjoining properties. The City Directories search was completed by ERIS and included a search of the Vernon's Ottawa and Area, Ontario City Directory.

A copy of the city directory is included in **Appendix B**, and a summary of the findings is included below in **Table 5**:



Table 5: City Directories

Location	Details
Years Searched:	1961 – 2011
Historical Property Uses:	
Subject Site:	The address was not listed from 1996 to 2011.
Adjacent Land:	<p>345 Entrepreneur Crescent (East): The address was not listed from 1996 to 2011.</p> <p>351 Entrepreneur Crescent (East): The address was not listed from 1996 to 2011.</p> <p>357 Entrepreneur Crescent (East): The address was not listed from 1996 to 2011.</p> <p>371 Entrepreneur Crescent (West): The Street was not listed in 1996/1997 and in 2006/2007, and the address was not listed from 2000 to 2002 and in 2011.</p> <p>381 Entrepreneur Crescent (West): The Street was not listed in 1996/1997 and in 2006/2007, and the address was not listed from 2000 to 2002 and in 2011.</p> <p>15 Tradesman Road (South): The Street was not listed from 1996 to 2007, and the Site was not listed in 2011.</p> <p>19 Tradesman Road (South): The Street was not listed from 1996 to 2007, and the address was listed as residential in 2011.</p> <p>145 Indcum Road (South): The Street was not listed from 1996 to 2002 and in 2011, and the address was listed as Crossroads Truck Training in 2006/2007.</p> <p>5455 Boundary Road (North): The address was not listed from 1996 to 2011.</p> <p>5471 Boundary Road (North): The address was not listed from 1996 to 2011.</p>
Relevant information regarding potentially contaminating activity and areas of potential environmental concern	
No activities listed that represent a potential environmental concern.	

3.5 Environmental Source Information

As part of the Phase One ESA, a search was completed of available Federal, Provincial and Private Databases. The search covered the Phase One ESA Site, as well as the Phase One Study Area. The information was obtained through the following search providers:

- EcoLog ERIS search provider;
- MECP Water Well Registry;
- MECP Freedom of Information (FOI) Request;
- City of Ottawa FOI, Historical Land Use Inventory (HLUI) Requests and other available related documents; and
- Technical Standards and Safety Authority (TSSA).

A summary of the records retrieved, pertaining to the Phase One ESA Study Area, interpreted from the ERIS reports received are summarized below in **Table 6**. A copy of the report provided is included in **Appendix C**.

Table 6: Summary of ERIS Search Records

Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
National Pollutant Release Inventory	0	0	No records were found within a 250 m radius from the Site.
Certificate of Approvals (CofA)	0	0	No records were found within a 250 m radius from the Site.
Commercial Fuel Oil Tanks (CFOT)	0	0	No records were found within a 250 m radius from the Site.
Pesticide Register (PES)	0	0	No records were found within a 250 m radius from the Site.
Permit to Take Water (PTTW)	0	0	No records were found within a 250 m radius from the Site.
Environmental Activity and Sector Registry (EASR)	0	0	No records were found within a 250 m radius from the Site.
List of Expired Fuels Safety Facilities (EXP)	0	1	One (1) record was retrieved for the property located at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient). The record was for a gasoline service station with status of abandoned. The location of this property is considered up-gradient of the Site based on topographic features and inferred eastern groundwater flow direction of the area. Therefore, this record does represent a potential environmental concern and potential contaminating activity to the Site.
Environmental Compliance Approval	0	1	One (1) record of environmental compliance approval were retrieved within 250 m of the Site. 954192 Ontario Ltd. located at 336 Entrepreneur Crescent, approximately 100 m south-east (down-

Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
			gradient) of the Site was issued an environmental compliance approval in March 2012 for industrial sewage works. Treatment of Sewage equal to or greater than 10,000 litres per day is identified as a potential contaminating activity according to O. Reg. 153/04. Due to the down-gradient location of the record and the groundwater flow direction, there is a low concern for potential contaminating activity to the Site.
Ontario Regulation 347 Waste Generators Summary	0	4	<p>Four (4) records of waste generators were retrieved within 250 m of the Site. The records retrieved are summarized as follows:</p> <ul style="list-style-type: none"> Three (3) records were retrieved for the property located at 145 Indcum Road approximately 135 m south-west of the Site (trans-gradient). Power Asphalt Corp. are listed as waste generators in 2016, as of December 2017, and as of December 2018. They are listed as generating waste oils and lubricants, polymeric resins, and waste crankcase oils; and One (1) record was retrieved for the property located at 5495 Boundary Road approximately 170 m west of the Site (up-gradient). Luso Gas Bar are listed as waste generators of light fuels as of Oct. 2022. <p>Based on the location of business identified as Power Asphalt Corp., being trans-gradient from the Site based on the eastern groundwater flow direction, the recorded waste generating activities do not present a potential risk for potential environmental concerns to the Site.</p> <p>The record identified as Luso Gas Bar, located up-gradient of the Site, presents a potential risk for environmental concern to the Site.</p>
Record of Site Condition (RSC)	0	0	No records were found within a 250 m radius from the Site.



Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
Retail Fuel Storage Tanks (RST)	0	2	<p>Two (2) records were retrieved within 250 m of the Site. Both records are at the same address at 5495 Boundary Road approximately 170 m west of the Site (up-gradient). Both records are listed as Service stations - Gasoline, Oil and Natural Gas.</p> <p>Due to the records location up-gradient of the Site, these records are not considered to represent a potential environmental concern or potential contaminating activity to the Site.</p>
Environmental Registry (EBR)	0	0	No records were found within a 250 m radius from the Phase One ESA Site.
ERIS Historical Searches (EHS)	1	14	Fourteen (14) records were retrieved within 250 m of the Site. These records retrieved are likely from previous Environmental Site Assessments completed on the neighbouring properties. The details presented do not provide additional value to this assessment with respect to potential contaminating activities, or potential environmental concerns.
Water Well Information System (WWIS)	0	2	<p>Two (2) records were retrieved within 250 m of the Site. The records retrieved are summarized as:</p> <ul style="list-style-type: none"> Well ID# 7320860 is a domestic well located approximately 40 m north/northeast of the Site, at higher elevation; and. Well ID# 7043396 is a domestic well located approximately 240 m south or southwest of the Site, at lower elevation. <p>No environmental or health related impacts were reported for these wells.</p>
Environmental Condition Reports	--	--	Not included in Phase One ESA ERIS searches.
Areas of Natural Significance	--	--	Not included in Phase One ESA ERIS searches.



Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
TSSA Pipeline Incidences (PINC)	0	0	No records were found within a 250 m radius from the Site.
Fuel Storage Tanks (FST)	0	5	<p>Five (5) records of fuel storage tanks were retrieved within 250 m of the Site. All records are at the same address at 5495 Boundary Road approximately 170 m west of the Site (up-gradient). The records retrieved indicate that Anivic Enterprise Inc. O/A Luso Gas are reported of been registered as having the following fuel storage tanks:</p> <ul style="list-style-type: none"> • One (1) liquid fuel storage tank for Gasoline installed in 1989 with capacity of 15000 Liters; • Two (2) liquid fuel storage tanks, one (1) for gasoline product; and one (1) for diesel. Both installed in 1989 and each with a capacity of 25000 Liters; • One (1) liquid fuel storage tank for gasoline installed in 1989 with capacity of 35000 Liters; and • One (1) liquid fuel storage tank for gasoline installed in 1998 with capacity of 9200 Liters. <p>Based on the properties up-gradient location from the Site, the above records retrieved represent a potential environmental concern and potential contaminating activity to the Site.</p>
Fuel Storage Tank – Historic (FSTH)	0	2	<p>Two (2) records of historic fuel storage tanks were retrieved within 250 m of the Site. Each record was retrieved for 5495 Boundary Road, approximately 170 m west of the Site (trans-gradient), for Anivic Enterprise Inc. O/A Luso Gas, a reported Gasoline station – retail fuel. The records are summarized as follows:</p> <ul style="list-style-type: none"> • In August 2007, Anivic Enterprise Inc. O/A Luso Gas reported to have four (4) Liquid Fuel tanks with capacity of 35000 liters for gasoline, 25000 liters for gasoline, 25000 litres for diesel, and 15000 litres for others. • In December 2008, Anivic Enterprise Inc. O/A Luso Gas reported to have nine (9) Liquid Fuel tanks:

Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
			<ul style="list-style-type: none"> - One (1) Single Wall UST tank of 35000 liters for gasoline. - Two (2) Single Wall UST tanks of 25000 liters, one for gasoline and one for diesel. - One (1) Single Wall UST tank of 15000 liters for gasoline. - One (1) Double Wall UST tank of 9200 liters for gasoline. - Two (2) Double Wall UST tank of 25000 liters for gasoline. - One (1) Double Wall UST tank of 35000 liters for gasoline. - One (1) Double Wall UST tank of 15000 liters for diesel. <p>Based on the facility location up-gradient from the Site, the above records retrieved represent a potential environmental concern and potential contaminating activity to the Site.</p>
Delisted Fuel Tanks	0	9	<p>Nine (9) records of delisted fuel tanks were retrieved within 250 m of the Site. Each record was retrieved for 5495 Boundary Road, approximately 170 m west of the Site (up-gradient). The records retrieved are summarized as:</p> <ul style="list-style-type: none"> • Anivic Enterprise Inc. O/A Luso Gas had four (4) delisted fuel tanks that expired in July 2020, and two (2) delisted fuel tank that expired in May 2021; and • Top Oil Resources Ltd. had three (3) delisted fuel tanks that expired in May 2013. <p>Based on the facility location up-gradient from the Site, the above records retrieved represent a potential environmental concern and potential contaminating activity to the Site.</p>
Waste Disposal Sites - MOE CA Inventory	0	4	<p>Four (4) records were retrieved within 250 m of the Site. Each of the records were retrieved for 336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient). 954192 Ontario Ltd. listed as waste disposal site with approval of ECA-Waste Disposal Sites issued in March 2012, November 2012, October 2016, and March 2020.</p>



Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
			Due to the down-gradient location from the Site and the southeastern groundwater flow direction, there is a low potential of environmental concern.
Ontario Spills	0	1	<p>In March 2019, an incident was reported to the MECP for 954192 Ontario Ltd. ('U Fill I Haul') located approximately 100 m south-east (down-gradient) of the Site at 336 Entrepreneur Crescent. No additional details were provided other than the MECP was notified on April 4, 2019, and the incident was closed on April 29, 2019, with no MECP field response. The incident was summarized as non-compliance with FA re-evaluation required.</p> <p>As the property is located down-gradient of the Site, and the southeastern groundwater flow direction, there is a low potential of environmental concern.</p>
Private and Retail Fuel Storage Tanks (PRT)	0	3	<p>Three (3) records were retrieved within 250 m of the Site. Each of the records retrieved were for 5495 Boundary Road, approximately 170 m west of the Site (up-gradient) of the Site. The records retrieved are summarized as:</p> <ul style="list-style-type: none"> • Top Oil Resources Ltd., listed as being equipped with a retail fuel storage tank(s), having a capacity of 19798 L and an expiration date of June 1990; • Total Petroleum Ltd., equipped with a retail fuel storage tank(s), having a capacity of 100,000 L and an expiration date of July 1994; and • Luso Gas equipped with retail fuel storage tank(s) with a total capacity of 100000 L and an expiration date of August 1995. <p>Due to the records location up-gradient of the Site, these records are considered to represent a potential environmental concern and potential contaminating activity to the Site.</p>
Scott's Manufacturing Directories (SCT)	0	1	<p>One (1) record of Scott's Manufacturing Directory was found within a 250 m radius of the Site. The record was reported at the property located at 5507 Boundary Road, approximately 170 m west (up-gradient) of the Site. Renes Welding Inc. is listed as</p>



Database Searched	Records Retrieved		Description of data, analysis and findings relevant to the Phase One ESA
	Phase One Property	Phase One Study Area	
			<p>fabricated metal products N.E.C., established in 1982 with two (2) employees.</p> <p>Due to the record location up-gradient of the Site, this record is considered to represent a potential environmental concern and potential contaminating activity to the Site.</p>

3.5.1 City of Ottawa

3.5.1.1 City of Ottawa Freedom of Information Request

The City of Ottawa was contacted on December 16th, 2022, to obtain available information for the Site. Under the Freedom of Information Act, a freedom of Information Request was made to the City of Ottawa. A formal response has been received and reviewed by LRL. No potentially contaminating activity or potential environmental concerns were identified with respect to the Site. A copy of the City of Ottawa response is included in **Appendix D**.

3.5.1.2 City of Ottawa Historical Land Use Inventory (HLUI)

The City of Ottawa was contacted on December 16th, 2022, to obtain available information for the Site and surrounding areas through their Historical Land Use Inventory (HLUI). A formal response has been received and reviewed by LRL. The Planning, Infrastructure and Economic Development Department at the City of Ottawa has the following information in response to the HLUI request for the Site, a copy of the HLUI response is included in **Appendix E**:

- No information was returned on the Subject Property from Departmental circulation.
- Two (2) landfill records were retrieved within 250 m of the Site. The records retrieved are summarized as:
 - Cumberland Con. 10 Dump, approximately 150 m east of the Site (down-gradient) listed as a landfill in 1991. Based on the landfill's down-gradient location from the Site, this record does not present environmental concerns; and
 - An unnamed Waste Disposal Site, approximately 110 m south of the Site (trans-gradient) listed as a landfill in 1991. Based on the landfill's trans-gradient location from the Site, this record does not present environmental concerns.
- Eleven (11) records of Gasoline Station were retrieved within 250 m of the Site. All records are at the same address at 5495 Boundary Road approximately 170 m west of the Site (up-gradient). The records retrieved indicate that Anivic Enterprise Inc. O/A Luso Gas and Total Petroleum are reported of been registered as having fuel storage tanks for gasoline, diesel and others. Based on the facility location up-gradient from the Site, these records retrieved do represent a potential environmental concern and potential contaminating activity to the Site.

3.5.1.3 1988 Intera Report

Prior to the 2001 amalgamation, the City did not have a consolidated database of environmental concerns for City properties and typically referred all inquiries to the *1988 Mapping and Assessment of Former Industrial Sites, City of Ottawa*, prepared by Intera Technologies Ltd. (1988 Intera Report). This report describes an inventory and assessment study of former industrial sites in the former (prior to the 2001 amalgamation) City of Ottawa from 1850 to 1984 that likely produced or handle hazardous wastes and materials. LRL reviewed a physical copy of the 1988 Intera Report.

There are no records of former industrial sites within a 250 m radius of the Site.

3.5.1.4 City of Ottawa Old Landfill Management Strategy Document, 2004

A report entitled *Old Landfill Management Strategy Phase 1 – Identification of Sites City of Ottawa, Ontario*, was prepared by Golder Associates for the City of Ottawa in 2004. This report identified old landfill site for potential environmental consideration within the boundary of the amalgamated City of Ottawa.

LRL reviewed this report as part of the Phase One ESA desktop assessment for the Site and found no landfills present within 250 m of the Site.

3.5.2 Ontario Ministry of Environment Conservation, and Parks Freedom of Information Act

The MECP was contacted under the Freedom of Information Act (FOI) to obtain available information for the Site regarding:

- Certificates of Approvals or any permits relating to air emissions (including noise), water taking and discharging, waste disposal sites, septic systems, pesticides storage or other similar instruments;
- Incidents, orders, offences, spills, discharges of contaminants or inspections;

Waste management records, including current and historical waste storage locations and waste generator and waste receiver information; and

- Reports submitted to the MECP related to the environmental conditions of the property.

Under the Freedom of Information Act, a freedom of Information Request was made to the MECP on December 16th, 2022. A formal response has been received and reviewed by LRL. No potentially contaminating activity or potential environmental concerns were identified with respect to the Site. A copy of the MECP response is included in **Appendix F**.

3.5.3 Inventory of Coal Tar Industrial Sites in Ontario

The MECP has created an inventory of all known and historical coal gasification plants. It identifies industrial sites that produced and continue to produce or use coal tar or other related tars. The program was discontinued in 1988.

A search of the databased revealed no records within a 250 m radius from the Site.



3.5.4 Technical Standards and Safety Authority

Fuel storage at commercial and industrial facilities is regulated by the Technical Standards and Safety Authority (TSSA). Records of aboveground storage tanks are maintained for bulk storage facilities only. Underground storage tanks are required to be registered with the TSSA. There are no requirements to register private underground and aboveground fuel oil storage tanks for heating or waste oil. Records of registered and licensed tanks have been maintained since 1990.

TSSA was contacted on December 16th, 2022, regarding available information concerning the presence of petroleum storage tanks, fuel spill records, accidents or fuel-related incidents which may be registered on the Site or surrounding properties. The Public Information Agent has indicated that no records were found in the current database for the following properties requested: 363, 336, 351, 357, 371, 381 Entrepreneur Crescent, 15, 19 Tradesman Road, 5471 Boundary Road, and 145 Indcum Road.

3.5.5 Ministry of Environment, Conservation, and Parks Water Well Records

The MECP well records database provides information of locations and characteristics of water wells throughout Canada in accordance with Ontario Regulation 903. Information of the stratigraphy, depth of bedrock and approximate depth of water table is also provided. A search of the water well record database was completed on December 13th, 2022. Records of two (2) wells were identified within a 250 m radius of the Site. Each of the wells identified are located on neighbouring properties, and the details of representative wells are summarized below.

The results are summarized in the following summary table, **Table 8**, and a copy of the available records retrieved are included in **Appendix G**.

Table 8: Summary of Well Records Retrieved

Well Identification	Details
7320860	A domestic supply well located approximately 165 m north/northeast of the Site, was installed in 2018. The subsurface conditions encountered include clay with silt from surface extending to 21.3 m bgs, followed by gravel with sand to a depth of 22.6 m bgs, followed by shale to a depth of 28.9 m bgs where the well was terminated. Untested water found at a depth of 27.0 m bgs.
7043396	A domestic supply well located approximately 120 m south of the Site, was installed in 2007. subsurface conditions encountered include clay from surface extending to 30.3 m bgs, followed by gravel to a depth of 31.9 m bgs, followed by shale to a depth of 32.4 m bgs where the well was terminated. Sulphur water found at a depth of 31.5 m bgs.
7449731	<p>A Hydrogeological Assessment was completed for the Site in support of the proposed development application with the City of Ottawa. The assessment included the installation of a technical representative test well of that which will supply to the proposed development. This test well is anticipated to be used as the supply well for the Site. A copy of the well record is included in Appendix G.</p> <p>The subsurface conditions encountered included 26.2 m of clay, followed by gravel to 28.0 m at which depth bedrock was encountered. Shale was encountered to depths of between 28.0 and 48.7 m below grade, at which depth the well was terminated. Water was found at 46.9 m below grade. The well installer did not test the water.</p>



3.6 Physical Setting Sources

The Site is located at approximately 78 m above mean sea level (amsl) and is generally flat land with a slight slope towards south-west corner of the Site. The topography of the Site and general area is presented in the topographic map included in **Appendix H**.

3.6.1 Aerial Photographs

Aerial photographs were obtained from the Historical Air photos Library in GeoOttawa, Ontario. Review of the photographs was completed to develop a general history of the development of the Site and surrounding properties. Aerial photographs may be at a scale that limits a detailed review of the Site and surrounding properties. Copies of select aerial photographs are included in **Appendix I**, and a summary is included in **Table 9**.

Table 9: Summary of Aerial Photographs

Year	Phase One Property (Site)	Phase One Study Area (Surrounding Area)
1965	The Site appears to be used for agriculture purposes (fields or pastures).	The surrounding area appears to be used for agriculture purposes (fields or pastures). An agricultural development is present approximately 170 m west of the Site.
1976	The Site appeared similar to the observations made in 1965, with no significant changes or alterations. AP1 included in Appendix I .	The surrounding areas appeared similar to the observations made in 1965, with no significant changes or alterations.
1991	The Site appears to be un-developed and forested, with a clearing at the southern portion of the property. AP2 included in Appendix I .	Low-density commercial developments are present to the south, east and west of the Site in the Phase One study area. Entrepreneur Crescent is present along the southern limits of the Site.
1999	The Site appeared similar to the observations made in 1991, with no significant changes or alterations.	The surrounding areas appeared similar to the observations made in 1991, with no significant changes or alterations.
2005	The Site appeared similar to the observations made in 1999, with no significant changes or alterations. The southern portion of the Site appears wooded at this time. AP4 including in Appendix I .	Further commercial development is observed in the Phase One study area. The adjacent property to the west of the Site is developed with a commercial/light industrial type building and features.
2014	The Site appeared similar to 2005.	Further commercial development is observed in the Phase One study area. The neighbouring lands to the east, north and south are developed. North of the Site appears to be operated as a mineral extraction facility.
2021	The Site appears to be occupied for it's current use as a storage yard for the Hoisting equipment, which operates on the adjacent land to the east. AP5 including in Appendix I .	Further commercial development is observed in the Phase One study area.

3.6.2 Topography, Hydrology & Geology

An Ontario Base Map was retrieved by ERIS for the Phase One Subject Area, and surrounding properties. A copy of the map is included in **Appendix H**. Furthermore, the City of Ottawa interactive mapping system, geoOttawa, provides additional topographic information such as contours.

Geological maps were reviewed to obtain information on regional geology, surficial soils and bedrock. These maps included the following:

- Harrison, J.E., 1976, Generalized Bedrock Geology, Ottawa-Hull, Ontario and Quebec, Geological Survey of Canada, Map 1508A, Scale 1:125,000; and
- St-Onge, D.A., (compilation), 2009, Surficial Geology, Lower Ottawa Valley, Ontario-Quebec, Geological Survey of Canada, Map 2140A, Scale 1:125,000.

A summary of Topographical, Physiographical, Hydrogeological and Geological Conditions are summarized on **Table 10**.

Table 10: Summary of Topographical, Physiographical, Hydrogeological and Geological Conditions

Parameter	Source	Description
Topography	Ontario Base Map (included in Appendix H), and geoOttawa	The Site is generally flat, with a slight slope towards the Entrepreneur Crescent located immediately south of the Phase One ESA property. The Site has an approximately elevation of 78 m amsl.
Physiography	Not Applicable	A review of the Physiography of the Phase One ESA property, and Subject Area was not included as part of this ESA.
Hydrology	Toporama – The Atlas of Canada	Using the available features of the interactive mapping tool, The Atlas of Canada – Toporama, it appears that the local groundwater flow direction varies on either side of the neighbouring Boundary Road. West of Boundary Road is inferred to flow in a northerly to northwesterly direction towards the Bear Brook, approximately 2.2 km to the northwest of the Site. Surface water features to the east of Boundary Road, where the Site is located, are shown to flow easterly towards the Shaws Creek, approximately 3.3 km east of the Site. Therefore, the groundwater flow direction across the Site is inferred to be towards the east. An unnamed water course is identified along the northern perimeter of Site, however the flow direction was not confirmed at the time of this assessment, and a municipal ditch borders the southern perimeter of the Site.
Geology	Geological Survey of Canada mapping, as referenced above at the beginning of this Section.	Generalized surficial geology: Offshore Marine Deposits: clay, silty clay, and silt, commonly calcareous and fossiliferous; locally overlain by thin sand.

		<p>Generalized bedrock geology: Carlsbad Formation: grey shale, sandy shale, and some dolomitic layers.</p> <p>According to available MECP water well records, bedrock is found to be between approximate 23 and 32 m below grade (estimated 46 and 55 m amsl).</p> <p>The proposed supply well constructed on the Site as part of the Hydrogeological Assessment to support the proposed development application for the property indicated that a layer of 26.2 m of clay was encountered, followed by gravel to 28.0 m at which depth bedrock was encountered. Shale was encountered to depths of between 28.0 and 48.7 m below grade, at which depth the well was terminated. Water was found at 46.9 m below grade.</p>
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3.6.3 Fill Material

Based on our review of available historical information, it has been revealed that the Phase One property was agricultural land (between at least the mid 1960's and at least the mid 1970's) prior to the current use as a storage yard for the neighboring company (Hoisting equipment). To support the use as a storage yard, fill materials is likely to have been brought to the Phase One Property.

3.6.4 Water Bodies, and Areas of Natural Significance

Using the available features of the interactive mapping tool, *The Atlas of Canada – Toporama*, it appears that the local groundwater flow direction varies on either side of the neighbouring Boundary Road. West of Boundary Road is inferred to flow in a northerly to northwesterly direction towards the Bear Brook, approximately 2.2 km to the northwest of the Site. Surface water features to the east of Boundary Road, where the Site is located, are shown to flow easterly towards the Shaws Creek, approximately 3.3 km east of the Site. Therefore, the groundwater flow direction across the Site is inferred to be towards the east. The flow direction was not confirmed at the time of this assessment.

An un-named water course is identified along the northern perimeter of Site, however the flow direction was not confirmed at the time of this assessment, and a municipal ditch borders the southern perimeter of the Site.

Based on available aerial imagery reviewed as part of this assessment, ponding surface water features are located on the property approximately 250 m west of the Site, following Boundary Road. Select features are shown in the included Ontario Base Map included in **Appendix H**.



O. Reg. 153/04 identifies an Areas of Natural Significance through the following data bases and criteria:

- The Site is not part of a provincial park or conservation area;
- The Site is not within any Areas of Natural and Scientific Interest (ANSI) identified by the Ministry of Natural Resources (MNR) as having provincial significance;
- The Site does not include any area identified as Provincial Significance Wetland (PSW) by MNR,
- The Site does not include any area designated as environmental significant in municipal official plans;
- The Site does not include any area designated as an escarpment natural area by Niagara Escarpment Plan;
- The Site does not include any area which is a habitat of endangered species;
- The Site does not include any Oak Ridges Moraine Conservation area; and,
- The Site does not include any area designated as a wilderness area.

3.7 Site Operating Records

The Site is presently generally undeveloped with exception to a granular base applied across the majority of the surface of the property and is used as a storage yard for the adjacent YSB Hoisting equipment facility, located immediately east. No Site Operating Records are available for the subject property.



4 INTERVIEWS

A summary of the interview conducted as part of this Phase One ESA is included in the following **Table 11**.

Table 11: Summary of Interview

Parameter	Information
Interviewee	Mr. Dustin Wilson, Owner
Interviewer	Mr. Abdul Kader, Environmental Technician
Interview Type	Phase One ESA Interview form filled by the client
Interview Date	December 12 th , 2022 (approximately 2 years from the time this report revision was prepared)
Interview Details/Pertinent Information	<ul style="list-style-type: none"> Mr. Wilson has knowledge of the Site from the past five (5) months. Mr. Wilson indicated that the Site is a vacant land, and currently is used as a warehouse for light industrial use. Mr. Wilson indicated that the Site been used recently only for its current light industrial use. Mr. Wilson indicated that there were no former buildings on the Site. Mr. Wilson indicated that the Site never had a private septic system, water wells, underground or above ground storage tanks, fuel storage tanks, and chemical storage. Mr. Wilson indicated that to the best of his knowledge, the Site has never had any previously stained soil. Mr. Wilson indicated that the Site graded and gravelled by the previous owner. Mr. Wilson indicated that the Neighboring property is a carpentry business. Mr. Wilson indicated that to the best of his knowledge, there were not any issues of environmental concern on or around the Site.
Evaluation	Based on the interview, it is found that the information retrieved corresponded to that obtained from the records reviewed with no inconsistencies or deviations encountered.



5 SITE RECONNAISSANCE

A summary of the Site reconnaissance conducted as part of this Phase One ESA is included in the following **Table 12A** and **Table 12B**. A secondary site visit was conducted on November 24, 2023, when the Site was free of limitations (i.e. no snow cover).

Table 12A: Summary of the Initial Site Reconnaissance

Parameter	Information
Date	December 13 th , 2022
Time	9:00 am – 10:00 am
Weather Conditions	Sunny, -8°C
Site Activity	Vacant, used as a storage yard for hoisting equipment for the neighboring company since at least mid of 2022.
Person conducting Site visit	Abdul Kader, Environmental Technician
Limitations to Site visit	Snow covered the ground surface across the Site at the time of the visit, which limited observations to the surface finishes and conditions.
Site Reconnaissance Details	<p>The following observations were made of the Phase One ESA Property, 363 Entrepreneur Crescent, Ottawa, Ontario:</p> <ul style="list-style-type: none"> • The Site not developed with any structure, however the property is used as a storage yard for the hoisting equipment; • The Site surrounded with metal fence from all sides except from the east side where the neighboring company located; • The equipment's which are stored on the Site includes hoist cabinet, hoist rails, motors, cables and other miscellaneous; and • Snow covered the ground surface across the Site at the time of the visit.
Utilities	No utilities were observed on the Site.
Site Visit Photographs	Photographs from the Site visit are included in Appendix J .



Table 12B: Summary of the Secondary Site Reconnaissance

Parameter	Information
Date	November 24 th , 2023
Time	8:00 am – 9:00 am
Weather Conditions	Sunny, -5°C
Site Activity	Vacant, used as a storage yard for hoisting equipment for the neighboring company since at least mid of 2022.
Person conducting Site visit	Jessica Arthurs, Environmental Engineering Manager
Limitations to Site visit	None.
Site Reconnaissance Details	No variances to the Site details noted above in Table 12A were encountered at the time of the November 24 th , 2023, Site Reconnaissance.
Utilities	No utilities were observed on the Site.
Site Visit Photographs	Photographs from the November 24 th , 2023, Site visit are included in Appendix J .

5.1 Specific Observations of the Phase One ESA property

The specific observations encountered at the Phase One ESA property are summarized in the following **Table 13**.

Table 13: Specific Observations of the Phase One ESA property

Parameters	Information
Property Dimensions	Rectangular shape, being approximately 40 m wide (east-west) by approximately 80 m (north-south).
Current Occupants/ Tenants	Warehouse, light industrial use as a storage yard for neighboring company.
Structures/ Improvements	None observed.
Sewage Works	None observed.
Landscaped & Vegetated Areas	None observed. The general entirety of the Site is covered with granular crushed stone fill to support the storage of equipment by the neighbouring company.
Pavement, Roads & Driveways:	Unpaved driveway is present at the south side of the Site, commencing from Entrepreneur Crescent towards the Site.
Topography	Generally flat, with a slight slope towards the Entrepreneur Crescent located immediately south of the Phase One ESA property.
Surface Drainage	Although not observed, various ditches and water courses are located in the vicinity of the Site. Based on the Site being observed with a slight slope south, it is inferred that surface run-off is in a southern direction and intercepted by the municipal ditch which borders the southern extent of the Site.



Parameters	Information
	It is understood that the watercourse along the north of the Site was constructed by the northern adjacent property owner to intercept runoff originating on their property from the snow-dumping operations.
Drainage Improvements	None observed.
Receives Drainage from Adjacent Lands:	None observed.
Watercourses, Ditches or Standing Water:	Various ditches and water courses are located in the vicinity of the Site. A municipal ditch runs along the southern perimeter of the Site, and an unnamed watercourse is present to the north of the Site.
Aboveground storage tanks (ASTs)	None observed.
Underground storage tanks (USTs)	No evidence of USTs was observed.
Fill Ports, Vent Pipes	None observed.
Storage Containers	Tools and equipment containers for the neighboring company.
Hazardous Materials	None observed.
Unidentified Substances	None observed.
Odours	None observed.
Air Emissions	None observed.
Wells	A test well as part of the Hydrogeological Assessment investigation to support the proposed Site development application, is present at the northeastern portion of the property. The well is a drilled well construction, with the casing extending above grade, and a vermin proof cap.
Sewage Disposal	None observed.
Pits and Lagoons, Wastewater or Solid Waste	None observed.
Stained Material and Stressed Vegetation	None observed.
Fill or previous fill activities	None observed, however, to support the property use as a storage yard, fill materials were brought to the Phase One Property, as confirmed through the interview with the Site owner.
Earth Moving Activities	None observed
Railway Lines	None observed
Other	None observed
Potential Contaminating Activities (PCA)	<ul style="list-style-type: none"> PCA 32 - Iron and Steel Manufacturing and Processing: Adjacent property hoist equipment manufacturing and rental company (YSB

Parameters	Information
	<p>Hoisting equipment facility), material and equipment storage on the Site;</p> <ul style="list-style-type: none"> • PCA 30 - Importation of Fill Materials of Unknown Quality: revealed in the Interview with Site Owner; • PCA 32 - Iron and Steel Manufacturing and Processing: Adjacent property immediately east of the Site occupied by a hoist equipment rental company (YSB Hoisting Equipment & YSB Carpentry facility); • PCA Other: Construction company workshop and storage yard, located along the western perimeter of the Site; • PCA 56 - Treatment of Sewage equal to or greater than 10,000 litres per day: The neighbouring property located approximately 100 m southeast (down-gradient) of the Site is identified as having an ECA for industrial sewage disposal; • PCA 28 - Gasoline and Associated Products Storage in Fixed Tanks. The property located at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient), is found to be an abandoned service station, with records of underground liquid fuel storage tanks; • PCA 34 - Metal Fabrication. The property located at 5507 Boundary Road, approximately 170 m west (up-gradient) of the Site, is listed as Renes Welding Inc., a fabricated metal products facility established in 1982; • PCA 58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners: 336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient) was found to be listed as waste disposal site with approval of ECA-Waste Disposal Sites issued in March 2012, November 2012, October 2016, and March 2020; • PCA 58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners: Based on observations at the time of the site reconnaissance, the adjacent land to the north operates as a snow dumping facility; and • PCA Other – Spill: In March 2019, an incident was reported to the MECP for the property located approximately 100 m south-east (down-gradient) of the Site at 336 Entrepreneur Crescent. The incident was summarized as non-compliance with FA re-evaluation required.
Unidentified Substances	None observed



5.2 Adjacent Land Use

The current land uses of the adjoining properties were observed from the property limits and publicly accessible locations to assess potential impacts to the Site that may arise from off-Site operations. The properties surrounding the subject Site are as follows:

North:	Mineral-Aggregate extraction facility with seasonal snow disposal operations ('snow-dump').
South:	Entrepreneur Crescent followed by an un-known commercial/light industrial operation with various storage containers and vehicles.
East:	Industrial - YSB Hoisting Equipment & YSB Carpentry facility (carpentry company and hoist equipment rentals facility), followed by vacant.
West	Construction company yard (Galaxy Construction) followed by vehicle storage yard.

5.3 Special Attention Items

Eleven chemical contaminants have been identified under the Occupational Health and Safety Act (OHSA) and regulations have been set in place to prohibit, regulate restrict, limit or control workers exposure to these substances. Other hazardous materials not included in the OHSA but under the Environmental Protection Act were also observed. The observations presented herein do not constitute a designated substance/hazardous material survey but are rather for information purposes only.

5.3.1 Designated Substances

<p>Asbestos Containing Material (ACM)</p> <p>Since the late 1970's the manufacture and use of asbestos containing building materials started to decrease. It is commonly presumed that buildings constructed prior to 1980 are more likely to contain both friable and non-friable forms of asbestos. General buildings constructed up to the mid 1980's are more likely to contain non-friable asbestos (flooring, joint compound).</p> <p>Asbestos containing materials were not observed.</p>
<p>Lead</p> <p>Lead may be present in a variety of building materials including paint and water distributions pipes, however, lead based paints (LBP) are considered the most significant hazard. According to published information by Health Canada concerning LBP, buildings constructed before 1980 may contain lead-based interior and exterior paints.</p> <p>Lead containing materials were not observed.</p>
<p>Mercury</p> <p>Minor amounts of mercury are commonly found in a variety of building material including mercury vapour lamps, fluorescent light tubing and thermostats and other electrically control switches.</p> <p>Mercury containing materials were not observed.</p>
<p>Others</p> <p>No other designated substances were identified (i.e. arsenic, ethylene oxide, vinyl chloride, benzene, coke oven emissions, acrylonitrile or isocyanates).</p>

5.3.2 Other Hazardous Building Materials/Items

Microbial Contamination and Mould: Areas of possible sources of mould (i.e. water damage, poor housekeeping, poor ventilation) were not observed during the Site visit.
Ozone-Depleting Substances (ODS): ODS such as chlorofluorocarbons (CFC) and hydrochlorofluorocarbon (HCFC) are typically found in refrigeration equipment, air conditioners, aerosols, cleaning solvents and fire extinguishers. Federal regulations required the elimination of production and import of CFC and a freeze on the production and import of HCFC by January 1, 1996. The regulations govern only the production and import therefore these materials are still used as long as a supply is in place. Refrigeration units were not observed during the Site visit.
Polychlorinated Biphenyls (PCB): The Federal Chlorobiphenyls Regulation, SOR/91-152 prohibits PCBs from being used in products, equipment, machinery, electrical transformers and capacitors which were manufactured or imported into the country after July 1, 1980. However, older equipment in use after this date may still contain PCBs if the equipment fluid has not been replaced. PCB-containing equipment can also include fluorescent, mercury, and sodium vapour light ballasts. PCBs containing equipment were not observed.
Urea Formaldehyde Foam Insulation (UFFI): UFFI was widely used as an insulating material until December 1980 when a ban was enacted under the Hazardous Products Act. UFFI was commonly injected through walls by drilling injections holes in roof structures, ceilings and overhangs. No UFFI were noted in the buildings inspected. UFFI containing materials were not observed.
Radon: Radon gas is a product of the decay series of uranium that is commonly found in geological units that contain black shale, sandstone or granite. Radon can percolate up through the soil where it may accumulate in basement of buildings with cracks or joints in the foundation. No structure on the Site, therefore Radon is not a concern.
Electric and Magnetic Fields: Electromagnetic fields are generally associated with high frequency power lines. No high voltage power lines were noted within 250 m of the Site.
Noise and Vibration: Noise and vibration from the light industrial activities on the Site; also noise and vibration are typical of an industrial environment (i.e. traffic).
Methane: Methane gas is a colourless and odourless gas commonly formed by the decomposition of organic material. 954192 Ontario Ltd. at 336 Entrepreneur Crescent approximately 170 m south-east of the Site listed as waste disposal site, therefore methane is a possible concern.
Others: No other designated substances were identified (i.e. arsenic, ethylene oxide, vinyl chloride, benzene, coke oven emissions, acrylonitrile or isocyanates).



6 REVIEW AND EVALUATION OF INFORMATION

6.1 Enhanced Investigation Property

As defined in O. Reg. 153/04, as amended, an Enhanced Investigation Property “*means a property that is being used or has been used, in whole or in part, in a manner described in clause 32 (1) (b) to which subsection 32 (2) does not apply*”. Those property include the following:

- Industrial use which involves assembling, fabricating, manufacturing, processing, producing, storing, warehousing, or distributing goods or raw materials;
- a garage;
- bulk liquid dispensing facility; or
- dry-cleaning operation.

The Phase One ESA Property is used as storage yard for the neighboring industrial company; therefore, an enhanced property investigation is not considered to be required at this time.

6.2 Phase One ESA – Investigation Details

LRL completed two (2) Site reconnaissance of the subject property, as outlined above in Section 5. The Site reconnaissance included a detailed walkthrough of the Phase One ESA Property, to allow for a review of its current condition, as well as to evaluate the likely impacts from past uses and neighbouring properties. No limitations were encountered during the first Site reconnaissance with the exception of the snow that was covering all ground on Site. During the second Site visit that was completed on the 24th of November, 2023, no snow was present, and all ground surfaces were visible. The Site reconnaissance included the following:

- A thorough walkthrough of the Phase One Property, with a focus on:
 - The presence of structures or other features of construction;
 - The surface cover type and areas of fill, or debris;
 - Areas of staining, stressed vegetation or anomalous condition;
 - Presence of unidentifiable substances; and
 - The presence, or former evidence, of underground/ buried features or structures, including storage tanks and utility corridors;
- A perimeter walk-around, noting the condition and general characteristics of the Phase One Property limits;
- Visually observations of the neighbouring lands from the Phase One Property extents, to locate and document the following:
 - Potentially contaminating activities;
 - Water bodies; and
 - Possible storage tanks and areas of natural significance.

A summary of the observations encountered are included in **Figure 2**.



6.3 Phase One ESA Site Reconnaissance Findings

Based on the findings of the Site Reconnaissance, the following PCAs have been identified, which are summarized in the subsequent **Table 14**.

Table 14: Site Reconnaissance Findings Corresponding to Areas of Potential Environmental Concern.

O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 32 - Iron and Steel Manufacturing and Processing	On-Site.	The adjacent property hoist equipment manufacturing and rental company (YSB Hoisting equipment facility), is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Associated material and equipment are stored on the Site. This was observed through aerial photography and Site visit.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-Site APEC.
PCA 30: Importation of Fill Materials of Unknown Quality	On-Site.	Identified through aerial imagery and confirmed by the interview with the Site owner.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-site APEC.
PCA 32 - Iron and Steel Manufacturing and Processing	357 Entrepreneur Crescent, immediately east of the Site.	Adjacent property immediately east of the Site occupied by a hoist equipment rental company (YSB Hoisting Equipment & YSB Carpentry facility). Industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Observed through aerial photography and Site visit.	Due to the type of the activity and location being along the eastern perimeter of the Site, this record is considered to represent an APEC to the eastern portion of the Site.
PCA Other: Construction company workshop and storage yard	371 Entrepreneur Crescent (Up-gradient)	Construction company workshop and storage yard. Observed through aerial photography and Site visit	Due to the type of the activity and location being along the western perimeter of the Site (up-gradient), this record is considered to represent an APEC to the western portion of the Site.
PCA 56: Treatment of Sewage equal to or greater than 10,000 litres per day.	Neighbouring property located at 336 Entrepreneur, approximately 100 m southeast of the Site (down-gradient)	Identified as having an ECA for industrial sewage disposal.	Due to the down-gradient location from the Site, this recorded activity does not contribute to an APEC on the Site.

O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 28: Gasoline and Associated Products Storage in Fixed Tanks.	Identified at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient).	Reported to be an abandoned service station, with records of underground liquid fuel storage tanks.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 34: Metal Fabrication.	5507 Boundary Road, approximately 170 m west (up-gradient) of the Site.	Listed as Renes Welding Inc., a fabricated metal products facility established in 1982.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient).	Listed as waste disposal site with approval of ECA-Waste Disposal Sites issued in March 2012, November 2012, October 2016, and March 2020.	Due to the location of the reported PCA 58 being down-gradient of the Site, this record does not represent an APEC to the Site.
PCA Other: Spill.	336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient).	In March 2019, an incident was reported to the MECP. The incident was summarized as non-compliance with FA re-evaluation required.	Due to the location of the reported spill being down-gradient of the Site, this record does not represent an APEC to the Site.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Immediately north of the Site.	Based on observations at the time of the site reconnaissance, the adjacent land to the north operates as a snow dumping facility.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the northern portion of the Site.

7 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Table 15 below is a summary of the current and past uses of 363 Entrepreneur Crescent, Ottawa, Ontario.

Table 15: Current and Past Uses

Year	Name of Owner	Description of Property Use	Property Use	Source of Information
<1965 – at least 1975	Unknown	Agricultural land	Agricultural fields or pasture	Aerial Imagery
Post 1975, to 2014	Unknown	Forested	Forested	Aerial Imagery
>2014 - 2021	Unknown	Vacant	Vacant – deforested	Aerial Imagery
Prior to July 2022	2751428 Ontario Inc.	Storage yard for the neighboring company (Hoisting equipment)	Light industrial	Land Title Search, Aerial Photographs
July 2022 – Present	Entrepreneur Holding Corporation	Storage yard for the neighboring company (Hoisting equipment)	Light industrial	Aerial Imagery, Interview, Site visit and Land Title Search.

7.2 Potential Contaminating Activity (PCA) & Areas of Potential Environmental Concern (APEC)

A potentially contaminating activity is a use or activity set out in Table 2 of Schedule D of the O. Reg. 153/04. These activities are summarized in the Table included in **Appendix K**.

The Site have been vacant from at least mid-1970's to the mid of 2021, then used to present as a storage yard for the neighbouring company (Hoisting equipment). Furthermore, the activities on adjacent lands within 250 m from at least the early 1990's to present have been mainly light commercial.

Based on the results of the Phase One Environmental Site Assessment the following areas of potential environmental concern were identified and are presented in **Figure 3**:

Table 16: Potential Contaminating Activity (PCA) & Areas of Potential Environmental Concern (APEC)

O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 32: Iron and Steel Manufacturing and Processing	On-Site	The adjacent property hoist equipment manufacturing and rental company (YSB Hoisting equipment facility), is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Associated material and equipment are stored on the Site. This was observed through aerial photography and Site visit.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-Site APEC.
PCA 30: Importation of Fill Materials of Unknown Quality	On-Site	Identified through aerial imagery and confirmed by the interview with the Site owner.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-site APEC.
PCA 32: Iron and Steel Manufacturing and Processing	357 Entrepreneur Crescent, immediately east of the Site.	Adjacent property immediately east of the Site occupied by a hoist equipment rental company (YSB Hoisting Equipment & YSB Carpentry facility). Industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Observed through aerial photography and Site visit.	Due to the type of the activity and location being along the eastern perimeter of the Site, this record is considered to represent an APEC to the eastern portion of the Site.
PCA Other: Construction company workshop and storage yard	371 Entrepreneur Crescent, immediately west of the Site.	Construction company workshop and storage yard. Observed through aerial photography and Site visit	Due to the type of the activity and location being along the western perimeter of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 28: Gasoline and Associated Products Storage in Fixed Tanks.	Identified at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient).	Reported to be an abandoned service station, with records of underground liquid fuel storage tanks.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 34: Metal Fabrication.	5507 Boundary Road, approximately 170 m west (up-gradient) of the Site.	Listed as Renes Welding Inc., a fabricated metal products facility established in 1982.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.

O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 52: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	381 Entrepreneur Crescent approximately 40 m to the west of Site used as vehicle storage yard.	Observed through the site visit and Aerial photos	The yard is located generally up-gradient of the Site and therefore presents a potential risk for environmental concern to the Site.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Immediately north of the Site.	Based on observations at the time of the site reconnaissance, the adjacent land to the north operates as a snow dumping facility.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the northern portion of the Site.

7.3 Areas of Potential Environmental Concern

Based on the PCAs noted in Section 7.2 above, the following APECs on the subject Site were identified and are presented in **Figure 4**:

Table 17: Areas of Potential Environmental Concern (APEC)

PEC	Location	Comments	Contaminants of Potential Concern	Media Potentially Impacted
Impacts of Iron and Steel Manufacturing & Processing	On-Site.	The adjacent property to the east (357 Entrepreneur Crescent) is a hoist equipment manufacturing and rental company is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Associated material and equipment are stored on the Site.	Metals	Soil and groundwater
Presence of Fill Materials of Unknown Quality	On-Site	This was observed through aerial photography and Site visit.	PAHs, VOCs, PHCs, Metals, Inorganics, OP pesticides	Soil and Groundwater
Impacts of Iron and Steel Manufacturing & Processing	Eastern portion of the Site.	The adjacent property to the east (357 Entrepreneur Crescent) is a hoist equipment manufacturing and rental company is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment.	Metals	Soil and Groundwater

Impact from possible chemical and fuel/equipment storage	Western portion of the Site.	371 Entrepreneur Crescent, immediately west of the Site, is a construction company workshop and storage yard. Observed through aerial photography and Site visit.	PHC, VOC, Metals	Soil and Groundwater
Impacts from abandoned service station and associated features	Western portion of the Site.	The property located at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient), is found to be an abandoned service station, with records of underground liquid fuel storage tanks.	PHC, VOC	Soil and Groundwater
Impacts from metal fabrication	Western portion of the Site.	The property located at 5507 Boundary Road, approximately 170 m west (up-gradient) of the Site, is listed as Renes Welding Inc., a fabricated metal products facility established in 1982.	Metals	Soil and Groundwater
Impacts from the storage of vehicles	Western portion of the Site.	381 Entrepreneur Crescent approximately 40 m to the west of Site used as vehicle storage yard.	VOC, PHC, Metals	Soil and Groundwater
Impacts from snow dumping facility	Northern portion of the Site.	Immediately north of the Site at 5455 Boundary Road.	Metals, PHC, VOC, Inorganics	Soil and Groundwater

Notes: PEC – Potential Environmental Concern
PHC – Petroleum Hydrocarbons
PAH – Polycyclic Aromatic Hydrocarbons
VOC – Volatile Organic Compounds

1 - Area of Potential Environmental Concern (APEC) means the area on, in, or under a Phase One Property where one or more contaminants are potentially present, as determined through the Phase One ESA, including through:

- (a) Identification of past or present uses on, in, or under the Phase One Property, and
- (b) Identification of potentially contaminating activity.

2 - Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area

3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011,

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

7.4 PCA Exclusion Rationale

As part of this Phase One ESA, additional PCAs were encountered in the vicinity of the Site, through the records retrieved. However, select PCAs encountered, have been excluded as an actual PCA to the Phase One ESA Property, as rationalized in the following **Table 18**. Exclusion of a PCA is often related to the location and distance of the in relation to the Phase One Property, the direction of groundwater flow, and the results from previous environmental reports pertaining to the Phase One Property (if any). A summary of the rationale used to exclude PCAs is presented in **Table 18**.

Table 18: Potential Contaminating Activity (PCA) Exclusion Rationale

O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Rationale
PCA Other: Asphalt and Bitumen Manufacturing	145 Indcum Road approximately 180 m south-west (trans-gradient) of the Site.	Power Asphalt Corp. are listed as generating waste oils and lubricants, polymeric resins, and waste crankcase oils. Observed through the site visit and Aerial photos.	The records are located generally trans-gradient of the Site and therefore does not represent a potential environmental concern.
PCA 56: Treatment of Sewage equal to or greater than 10,000 litres per day	336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient.)	Identified as having an ECA for industrial sewage disposal.	The record is located down-gradient of the Site and therefore does not represent a potential environmental concern.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient).	Listed as waste disposal site with approval of ECA-Waste Disposal Sites issued in March 2012, November 2012, October 2016, and March 2020.	The records are located down-gradient of the Site and therefore does not represent a potential environmental concern.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Cumberland Con. 10 Dump, approximately 150 m east of the Site (down-gradient).	Identified through HLUI as a landfill.	Due to the location being to the east of the Site (down-gradient), this record is not considered to represent a PCA to the Site.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Unnamed Waste Disposal Site, approximately 110 m south of the Site (trans-gradient).	Identified through HLUI as a landfill.	Due to the location being to the south of the Site (trans-gradient), this record is not considered to represent a PCA to the Site.
PCA Other: Spill	336 Entrepreneur Crescent, approximately 100 m south-east of the Site (down-gradient)	In March 2019, an incident was reported to the MECP for the property. The incident was summarized as non-compliance with FA re-evaluation required.	Due to the location being to the south-east of the Site (down-gradient), this record is not considered to represent a PCA to the Site.

7.5 Uncertainties or Absence of Information

Based on the body of information acquired for this assessment, it is considered that the absence of any other information should not likely affect the final conclusion of the Phase One ESA. There were no material deviations to the Phase One ESA requirements set out in O. Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One Conceptual Site Model or the findings of this Phase One ESA.

7.6 Phase One Conceptual Site Model

7.6.1 Conceptual Site Model Drawing

The location of the Site is shown in the attached **Figure 1** and the current layout of the Site is shown in the attached **Figure 2**. PCAs and APECs are shown in the included **Figure 3**, and **Figure 4**, respectively.

7.6.2 Description and Assessment

The PCAs identified on the Phase One Property, as well as those identified within the Phase One Study Area were recognised through the records review, interview, and Site reconnaissance. A total of seven (7) PCAs were identified. They are further summarized below in **Table 19** as follows:

Table 19: Summary of Conceptual Site Model – PCAs



O. Reg 153/04 Schedule D PCA	Location of PCA	Description and Source Information	Contribution to an APEC
PCA 32: Iron and Steel Manufacturing and Processing	On-Site	The adjacent property hoist equipment manufacturing and rental company (YSB Hoisting equipment facility), is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Associated material and equipment are stored on the Site. This was observed through aerial photography and Site visit.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-Site APEC.
PCA 30: Importation of Fill Materials of Unknown Quality	On-Site	Identified through aerial imagery and confirmed by the interview with the Site owner.	The PCA is located on the Site and is therefore automatically considered to contribute to an on-site APEC.
PCA 32: Iron and Steel Manufacturing and Processing	357 Entrepreneur Crescent, immediately east of the Site.	Adjacent property immediately east of the Site occupied by a hoist equipment rental company (YSB Hoisting Equipment & YSB Carpentry facility). Industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Observed through aerial photography and Site visit.	Due to the type of the activity and location being along the eastern perimeter of the Site, this record is considered to represent an APEC to the eastern portion of the Site.
PCA Other: Construction company workshop and storage yard	371 Entrepreneur Crescent, immediately west of the Site.	Construction company workshop and storage yard. Observed through aerial photography and Site visit	Due to the type of the activity and location being along the western perimeter of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 28: Gasoline and Associated Products Storage in Fixed Tanks.	Identified at 5495 Boundary Road, approximately 170 m west of the Site (up-gradient).	Reported to be an abandoned service station, with records of underground liquid fuel storage tanks.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.



PCA 34: Metal Fabrication.	5507 Boundary Road, approximately 170 m west (up-gradient) of the Site.	Listed as Renes Welding Inc., a fabricated metal products facility established in 1982.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.
PCA 52: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	381 Entrepreneur Crescent approximately 40 m to the west of Site used as vehicle storage yard.	Observed through the site visit and Aerial photos	The yard is located generally up-gradient of the Site and therefore presents a potential risk for environmental concern to the Site.
PCA 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Immediately north of the Site.	Based on observations at the time of the site reconnaissance, the adjacent land to the north operates as a snow dumping facility.	Due to the type of the activity and location being up-gradient of the Site, this record is considered to represent an APEC to the western portion of the Site.

7.6.3 Contaminants of Potential Concern

The contaminants of potential concern, related to the identified PCAs, are as follows:

- Petroleum Hydrocarbons (PHCs);
- Volatile Organic Compounds (VOCs);
- Polycyclic Aromatic Hydrocarbons (PAHs); and,
- Metals, metal hydrides, EC, SAR, and pH.

7.6.4 Potential for Underground Utilities to Influence the Transportation and Distribution of Contaminates

As described above in Section 0, the underground utilities do not present on the Phase One ESA Site.

7.6.5 Available Regional or Site-Specific Geological or Hydrogeological Information

The Phase One ESA Site is found to have generalized surficial geology consisting of Offshore Marine Deposits including clay, silty clay, and silt, commonly calcareous and fossiliferous; locally overlain by thin sand. Generalized bedrock geology is found to be the Carlsbad Formation which includes grey shale, sandy shale, and some dolomitic layers.

According to available MECP water well records, bedrock is found to be between approximate 23 and 32 m below grade (estimated 46 and 55 m amsl).

Using the available features of the interactive mapping tool, The Atlas of Canada – Toporama, it appears that the local groundwater flow direction varies on either side of the neighbouring Boundary Road. West of Boundary Road is inferred to flow in a northerly to northwesterly direction

towards the Bear Brook, approximately 2.2 km to the northwest of the Site. Surface water features to the east of Boundary Road, where the Site is located, are shown to flow easterly towards the Shaws Creek, approximately 3.3 km east of the Site. Therefore, the groundwater flow direction across the Site is inferred to be towards the east. An un-named water course is identified along the northern perimeter of Site, however the flow direction was not confirmed at the time of this assessment, and a municipal ditch borders the southern perimeter of the Site.

8 CONCLUSIONS

Based on the findings of the Phase One ESA, it is recommended that a Phase Two ESA be conducted on the Site to confirm the presence/absence of impacts in the areas of potential environmental concern identified. The identified APECs that should be addressed through the completion of a Phase Two ESA are as follows:

- **APEC A: Iron and Steel Manufacturing and Processing.** The adjacent property hoist equipment manufacturing and rental company (YSB Hoisting equipment facility) is identified as an industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. Associated material and equipment are stored on the Site. There is a high risk of environmental impacts in the whole area of the Site. Contaminants of Concern include Metals.
- **APEC B: Importation of Fill Materials of Unknown Quality.** There is a low-medium risk on environmental impacts in the whole area of the Site. Contaminants of Concern include PHC, VOC, PAH, Metals, and OP pesticides.
- **APEC C: Iron and Steel Manufacturing and Processing.** Adjacent property immediately east of the Site occupied by a hoist equipment rental company (YSB Hoisting Equipment & YSB Carpentry facility). Industrial use which involves assembling, processing, storing, warehousing, or distributing hoisting equipment. There is a high risk of environmental impacts in the eastern portion of the Site. Contaminants of Concern include Metals.
- **APEC D: Construction company workshop and storage yard.** There is a high risk of environmental impacts in the western portion of the Site as a result of the neighbouring property construction company storage yard. Contaminants of Concern include PHC, VOC, and Metals.
- **APEC E: Gasoline and Associated Products Storage in Fixed Tanks.** There is a moderate risk of environmental impacts to the western portion of the Site as a result of the abandoned gasoline service station, and associated features, approximately 170 m west of the Site. Contaminates of Concern include PHC and VOC.
- **APEC F: Metal Fabrication.** Renes Welding Inc. is listed as operating on the property approximately 170 m west of the Site. Contaminates of Concern include Metals.
- **APEC G: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.** Located approximately 40 m to the west of Site. Contaminates of Concern include PHC, VOC and Metals.
- **APEC H: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.** Immediately north of the Site at 5455 Boundary Road operates as a snow dumping facility. Contaminates of Concern include Metals, PHC, VOC and Inorganics.



9 LIMITATIONS AND USE OF REPORT

The results of this Phase One ESA should not be considered a warranty that the subject property is any free from and all contaminants from former and current practices, other than those noted in this report, nor that all compliance issues have been addressed.

The findings contained in this report are based on data and information collected during the Phase One ESA of the subject property conducted by LRL Engineering. The conclusions and recommendations are based solely on-site conditions encountered at the time of our inspection on December 13, 2022, and November 24, 2023, supplemented by historical information and data obtained as described in this report. No assurance is made regarding changes in conditions subsequent to the time of this investigation. If additional information is discovered or obtained, LRL Engineering should be requested to re-evaluate the conclusions presented in this report and to provide amendments as required.

In evaluating the subject property, LRL Engineering has relied in good faith on information provided by individuals as noted in this report. We assume that the information provided is factual and accurate. We accept no responsibility for any deficiencies, misstatements or inaccuracies contained in this report as a result of omissions, misinterpretation or fraudulent acts of the persons contacted.

This report is intended for the sole use of Entrepreneur Holding Corporation and their authorized agents. LRL Engineering will not be responsible for any use of the information contained within this report by any third party.

In addition, LRL Engineering will not be responsible for the real or perceived decrease in the property value, its saleability or ability to gain financing, through the reporting of information.

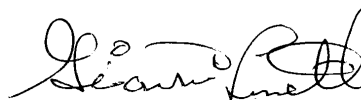
Dec 20 2024

Yours truly,

LRL Engineering



Jessica Arthurs
Environmental Engineering Manager



John (Gianni) Lametti, P. Eng. QP_{ESA}
Environmental Engineer

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Ontario Well Records Map accessed through: <https://www.ontario.ca/environment-and-energy/map-well-records>

Ontario Regulation 153/04, amended to O. Reg. 269/11 made under the Environmental Protection Act, *Record of Site Conditions – Part X.1 of the Environmental Protection Act*, Jul 1, 2011.

Ontario Ministry of the Environment, Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011.

St-Onge, D.A., (compilation), 2009, Surficial Geology, Lower Ottawa Valley, Ontario-Quebec, Geological Survey of Canada, Map 2140A, Scale 1:125,000.

Waste Management Branch, Ontario Ministry of the Environment, Waste Disposal Site Inventory, June 19, 1991.



FIGURES



LRL

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www.lrl.ca | (613) 842-3434

PROJECT

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE

SITE LOCATION
(NOT TO SCALE)
SOURCE: GEOOTTAWA

CLIENT

ENTREPRENEUR HOLDING CORPORATION

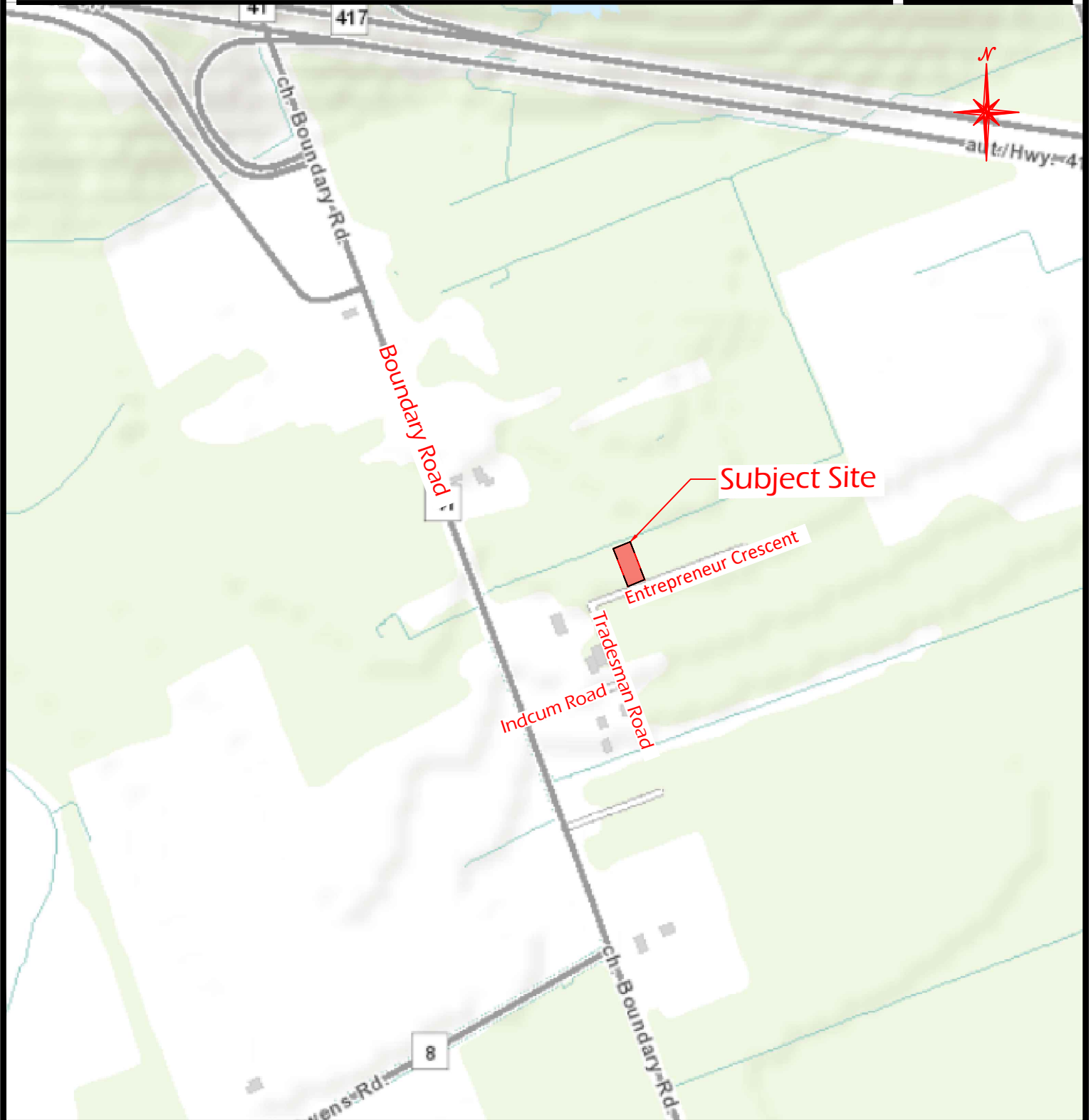
DATE

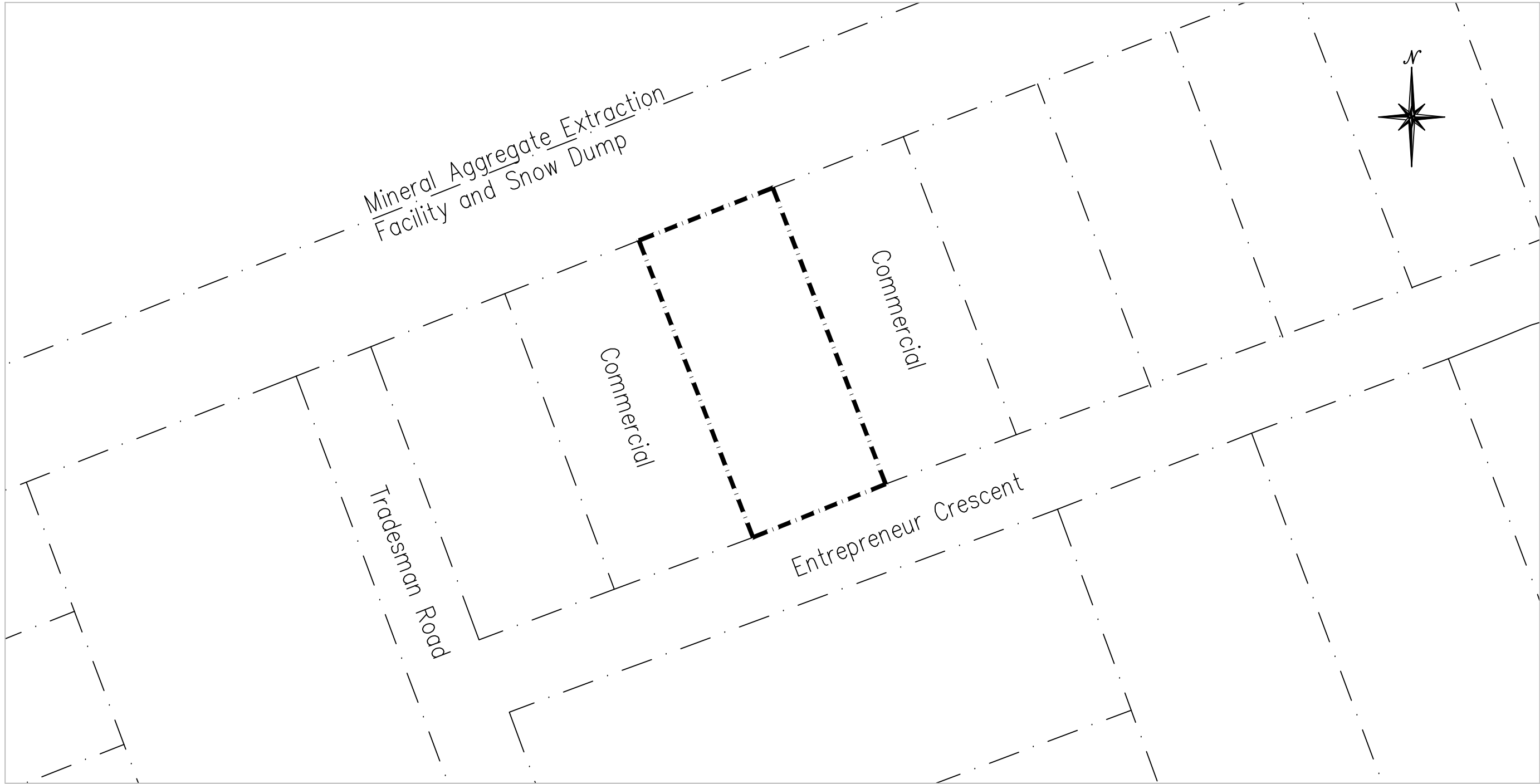
DECEMBER 2024

PROJECT

220487

FIGURE 1





LEGEND

- Property Line – Subject Site (363 Entrepreneur Crescent)**
- Neighbouring Property Boundaries**



03	REVISION	J.A.	11/12/2024
02	REVISION	J.A.	12/08/2024
01	ISSUED FOR REVIEW	A.K.	20/01/2023



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ENGINEERING | INCÉNIERIE
5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

CLIENT
ENTREPRENEUR HOLDING CORPORATION

DESIGNED BY: J.A. DRAWN BY: J.A. APPROVED BY: J.L.

PROJECT
**PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO**

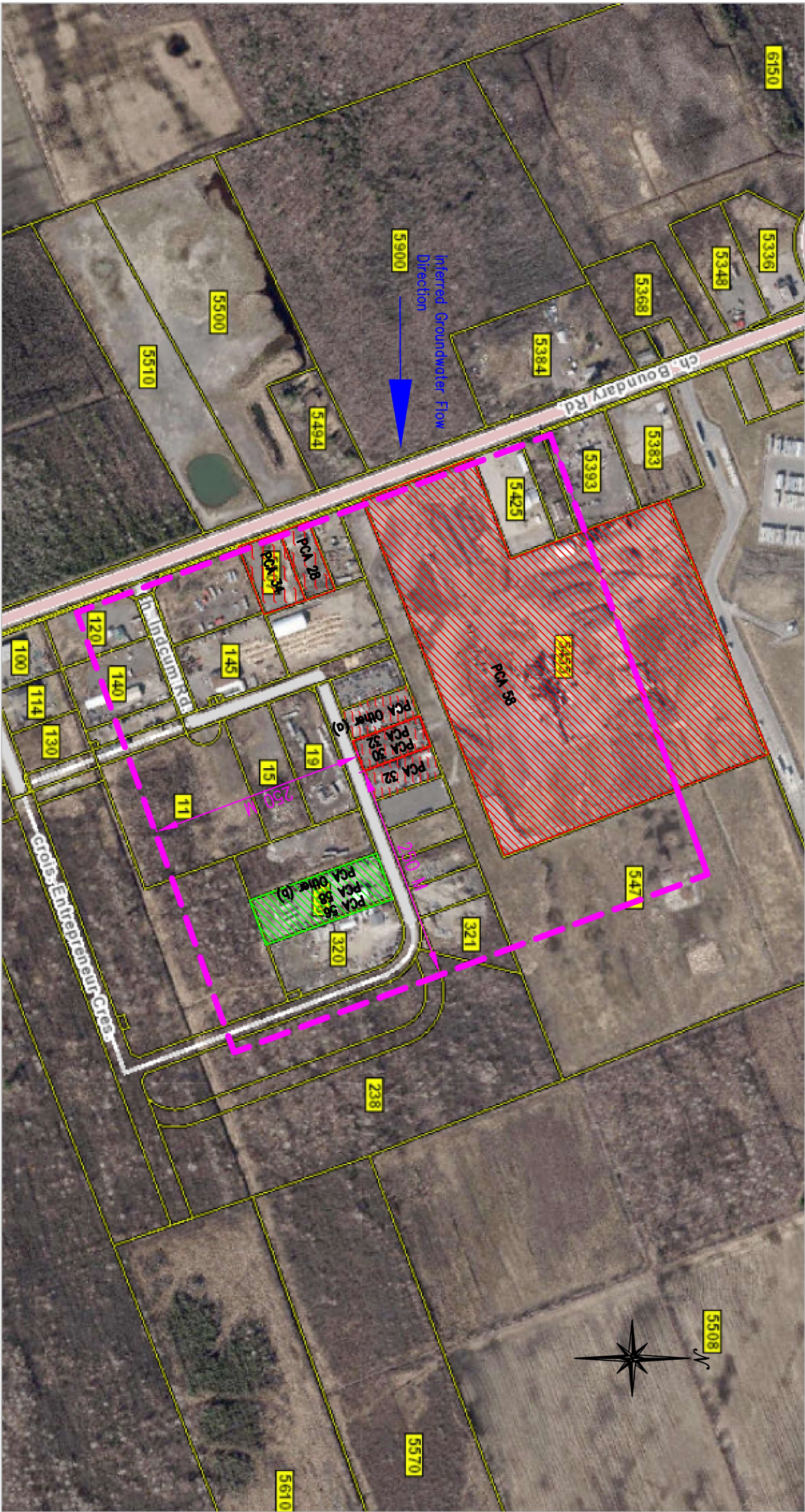
DRAWING TITLE

SITE PLAN

PROJECT NO.
220487

DATE
DECEMBER 2024

FIGURE 2



250 m radius from Site

Subject Site

Property Identified with PCA - Potential Risk to Site

Property Identified with PCA - Not a Potential Risk to Site

PCA 30

Importation of Fill Materials of Unknown Quality

PCA 28

Gasoline and associated Products Storage in fixed Tanks

PCA 32

Iron and Steel Manufacturing and Processing

PCA 58

Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosols as soil conditions

PCA 34

Metal Fabrication

PCA 56

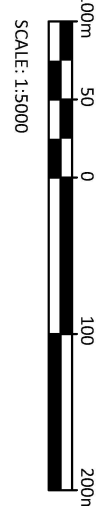
Treatment of Sewage equal to or greater than 10,000 litres per day

PCA Other (a)

Construction Company - Workshop and Storage

PCA Other (b)

Spill



03	REVISION	J.A.	11/12/2024
02	REVISION	J.A.	12/08/2024
01	ISSUED FOR REVIEW	A.K.	20/01/2023



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CLIENT			ENTREPRENEUR HOLDING CORPORATION
DESIGNED BY:			J.A.
DRAWN BY:			J.A.
APPROVED BY:			J.L.
PROJECT			PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 363 ENTREPRENEUR CRESCENT OTTAWA, ONTARIO

DRAWING TITLE
POTENTIAL CONTAMINATING ACTIVITY WITHIN 250 M OF SITE
BASE SOURCE: GeoOttawa

PROJECT NO.	220487
DATE	DECEMBER 2024

FIGURE 3

APEC Summary

APEC A	
APEC B	
APEC C	
APEC D	
APEC E	
APEC F	
APEC G	
APEC H	

- APEC D
- APEC E
- APEC F
- APEC G
- APEC H

- APEC A
- APEC B

APEC C




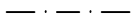
Tradesman Road

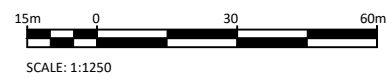
Commercial

Commercial

Entrepreneur Crescent

LEGEND

-  Property Line – Subject Site (363 Entrepreneur Crescent)
-  Neighbouring Property Boundaries



03	REVISION	J.A.	11/12/2024
02	REVISION	J.A.	12/08/2024
01	ISSUED FOR REVIEW	A.K.	20/01/2023



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CLIENT
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DESIGNED BY: J.A. DRAWN BY: J.A. APPROVED BY: J.L.

PROJECT
PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)

PROJECT NO.
220487
DATE
DECEMBER 2024

FIGURE4

APPENDIX A

Land Title Search

PROPERTY DESCRIPTION: PART OF BLOCK 3 PLAN 50M136 PART 3 ON PLAN 50R6694; SUBJECT TO AN EASEMENT IN GROSS OVER PART 9 ON PLAN 4R-27830 AS IN OC1627867; CITY OF OTTAWA

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
DIVISION FROM 14558-0357

PIN CREATION DATE:
2012/05/14

OWNERS' NAMES

ENTREPRENEUR HOLDING CORPORATION

CAPACITY

ROWN

SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALL	DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED)	**			
RLT28910	1986/07/09	NOTICE AGREEMENT			THE CORPORATION OF THE TOWNSHIP OF CUMBERLAND	C
RLT28911	1986/07/09	NOTICE AGREEMENT			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
50R6694	1990/04/27	PLAN REFERENCE				C
RLT62301	1990/05/18	BYLAW				C
OC1570011	2014/04/03	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C
REMARKS: AMENDS	LEGAL DESCRIPTION					
4R27830	2014/04/07	PLAN REFERENCE				C
OC1627867	2014/10/14	TRANSFER EASEMENT	\$2	6067727 CANADA INC.	HYDRO ONE NETWORKS INC.	C
OC2513347	2022/07/14	TRANSFER	\$595,000	2751428 ONTARIO INC.	ENTREPRENEUR HOLDING CORPORATION	C
REMARKS: PLANNING ACT STATEMENTS.						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



PRINTED ON 15 DEC, 2022 AT 10:49:02
FOR EEGOOLAB



PROPERTY INDEX MAP
OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE
RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT
REFERENCE PLANS ARE NOT ILLUSTRATED



APPENDIX B

City Directory

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property: *363 Entrepreneur Crescent, Navan, ON*
Report Type: *City Directory*
Order No: *22120900403*
Information Source: *Vernon's Ottawa And Area, Ontario City Directory*
Date Completed: *21/12/22*

*****See Addendum Regarding Results***

Environmental Risk Information Services

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1.866.517.5204 | info@erisinfo.com | erisinfo.com

City Directory Information Source
<i>Vernon's Ottawa And Area, Ontario City Directory</i>

PROJECT NUMBER: 22120900403	
Site Address:	<i>363 Entrepreneur Crescent, Navan, ON</i>
Year: 2011	
Site Listing:	-Address Not Listed
Adjacent Properties:	
345 Entrepreneur Crescent	-Address Not Listed
351 Entrepreneur Crescent	-Address Not Listed
357 Entrepreneur Crescent	-Address Not Listed
5455 Boundary Road	-Address Not Listed
5471 Boundary Road	-Address Not Listed

PROJECT NUMBER: 22120900403	
Site Address:	<i>363 Entrepreneur Crescent, Navan, ON</i>
Year: 2010	
Site Listing:	-Address Not Listed
Adjacent Properties:	
345 Entrepreneur Crescent	-Address Not Listed
351 Entrepreneur Crescent	-Address Not Listed
357 Entrepreneur Crescent	-Address Not Listed
5455 Boundary Road	-Address Not Listed
5471 Boundary Road	-Address Not Listed

PROJECT NUMBER: 22120900403	
Site Address:	<i>363 Entrepreneur Crescent, Navan, ON</i>
Year: 1999	

Site Listing:	-Address Not Listed
Adjacent Properties:	
345 Entrepreneur Crescent	-Address Not Listed
351 Entrepreneur Crescent	-Address Not Listed
357 Entrepreneur Crescent	-Address Not Listed
5455 Boundary Road	-Address Not Listed
5471 Boundary Road	-Address Not Listed

PROJECT NUMBER: 22120900403	
Site Address:	<i>363 Entrepreneur Crescent, Navan, ON</i>
Year: 1996	
Site Listing:	-Address Not Listed

Adjacent Properties:	
345 Entrepreneur Crescent	-Address Not Listed
351 Entrepreneur Crescent	-Address Not Listed
357 Entrepreneur Crescent	-Address Not Listed
5455 Boundary Road	-Address Not Listed
5471 Boundary Road	-Address Not Listed

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

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

****Navan, ON Is Located Within The City Directory Archives From 1996 To 2011**

APPENDIX C

Ecolog ERIS Report



DATABASE REPORT

Project Property:	<i>LRL220487 363 Entrepreneur Crescent Navan ON K4B 1T8</i>
Project No:	<i>LRL220487</i>
Report Type:	<i>Standard Report</i>
Order No:	<i>22120900403</i>
Requested by:	<i>LRL Associates Ltd.</i>
Date Completed:	<i>December 13, 2022</i>

Environmental Risk Information Services

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Executive Summary

Property Information:

Project Property: LRL220487
363 Entrepreneur Crescent Navan ON K4B 1T8

Project No: LRL220487

Coordinates:

Latitude: 45.34057
Longitude: -75.43691
UTM Northing: 5,020,877.38
UTM Easting: 465,769.42
UTM Zone: 18T

Elevation: 256 FT
77.88 M

Order Information:

Order No: 22120900403
Date Requested: December 9, 2022
Requested by: LRL Associates Ltd.
Report Type: Standard Report

Historical/Products:

City Directory Search CD - Subject Site plus 5 Adjacent Properties
ERIS Xplorer [ERIS Xplorer](#)
Land Title Search Current Land Title Search

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 Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	9	9
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	14	14
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	1	1
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	5	5
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	4	4
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	3	3
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	2	2
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	1	1
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	4	4
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	2	2
		Total:	0	49	49

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>
--------------------	-----------	--------------------------	----------------	---------------------	--------------------------	------------------------

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		357 ENTREPRENEUR CRESCENT ON <i>Well ID: 7320860</i>	NNE/39.4	0.00	20
2	EHS		357 Entrepreneur Cres Navan ON Navan ON K4B 1T8	NE/44.0	0.00	27
3	EHS		Entrepreneur Crescent Ottawa ON	NE/55.2	0.00	27
4	EHS		Entrepreneur Crescent Ottawa ON	WSW/84.7	-1.00	27
5	EHS		No civic address Ottawa ON	SSW/97.1	-1.00	28
6	EHS		345 Entrepreneur Crescent Navan ON K4B 1T8	ENE/113.7	0.00	28
6	EHS		345 Entrepreneur Crescent Navan ON K4B 1T8	ENE/113.7	0.00	28
7	ECA	954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE/168.3	-1.00	28
7	WDS	954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE/168.3	-1.00	29
7	WDS	954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE/168.3	-1.00	29
7	WDS	954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE/168.3	-1.00	30
7	SPL	954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K0A 1V0	ESE/168.3	-1.00	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>7</u>	WDS	954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE/168.3	-1.00	<u>31</u>
<u>7</u>	EHS		336 Entrepreneur Crescent Navan ON K4B 1T8	ESE/168.3	-1.00	<u>32</u>
<u>7</u>	EHS		336 Entrepreneur Crescent Navan ON K4B 1T8	ESE/168.3	-1.00	<u>32</u>
<u>8</u>	EHS		1 Indcum Rd Ottawa ON	SSW/173.5	-2.03	<u>32</u>
<u>9</u>	EHS		4 Tradesman Rd Ottawa ON K4B1T8	ENE/176.4	0.00	<u>32</u>
<u>10</u>	EHS		Southeast corner of the Tradesman Road and Entrepreneur Cres. Ottawa ON	SE/179.0	-2.00	<u>33</u>
<u>11</u>	GEN	Power Asphalt Corp.	145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	SW/180.4	-1.00	<u>33</u>
<u>11</u>	GEN	Power Asphalt Corp.	145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	SW/180.4	-1.00	<u>33</u>
<u>11</u>	GEN	Power Asphalt Corp.	145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	SW/180.4	-1.00	<u>34</u>
<u>12</u>	EHS		5455 Boundary Rd Ottawa ON	WNW/187.6	0.00	<u>34</u>
<u>13</u>	EHS		11 & 15 Tradesman Road Vars ON K0A 3H0	SSE/191.4	-2.00	<u>34</u>
<u>14</u>	PRT	TOP OIL RESOURCES LTD	5495 BOUNDARY RD CUMBERLAND ON	W/210.1	-1.00	<u>34</u>
<u>14</u>	PRT	TOTAL PETROLEUM LTD	5495 BOUNDARY RD CUMBERLAND ON	W/210.1	-1.00	<u>35</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	PRT	LUSO GAS	5495 BOUNDARY RD CUMBERLAND ON	W/210.1	-1.00	35
14	RST	LUSO GAS	5495 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	W/210.1	-1.00	35
14	RST	LUSO GAS	5495 BOUNDARY RD GLOUCESTER ON K0A1K0	W/210.1	-1.00	35
14	FSTH	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W/210.1	-1.00	35
14	FSTH	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND ON	W/210.1	-1.00	36
14	DTNK	TOTAL PETROLEUM LTD	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W/210.1	-1.00	37
14	DTNK	TOP OIL RESOURCES LTD	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W/210.1	-1.00	38
14	FST	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	38
14	FST	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	39
14	FST	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	39
14	FST	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	40
14	FST	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	DTNK	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	41
14	DTNK	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	41
14	DTNK	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	42
14	DTNK	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	43
14	DTNK	ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W/210.1	-1.00	43
14	DTNK		5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON	W/210.1	-1.00	44
14	DTNK		5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON	W/210.1	-1.00	45
14	EXP		5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W/210.1	-1.00	45
14	GEN	Luso Gas Bar	5495 Boundary Road Navan ON K4B 1P6	W/210.1	-1.00	46
15	SCT	RENES WELDING INC	5507 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	WSW/216.6	-1.00	46
16	WWIS		120 INDCUN lot 2 con 11 CARLSBAD ON Well ID: 7043396	SSW/239.9	-1.97	46
17	EHS		5455 Boundary Road Navan ON K4B 1P6	NW/245.2	1.00	54

Executive Summary: Summary By Data Source

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Feb 28, 2022 has found that there are 9 DTNK 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>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	<u>14</u>
TOP OIL RESOURCES LTD	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W	210.09	<u>14</u>
TOTAL PETROLEUM LTD	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W	210.09	<u>14</u>
	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON	W	210.09	<u>14</u>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	<u>14</u>
	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON	W	210.09	<u>14</u>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	<u>14</u>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	<u>14</u>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	<u>14</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Sep 30, 2022 has found that there are 1 ECA 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>
954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE	168.26	<u>7</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 14 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>
	357 Entrepreneur Cres Navan ON Navan ON K4B 1T8	NE	44.05	<u>2</u>
	Entrepreneur Crescent Ottawa ON	NE	55.22	<u>3</u>
	345 Entrepreneur Crescent Navan ON K4B 1T8	ENE	113.72	<u>6</u>
	345 Entrepreneur Crescent Navan ON K4B 1T8	ENE	113.72	<u>6</u>
	4 Tradesman Rd Ottawa ON K4B1T8	ENE	176.43	<u>9</u>
	5455 Boundary Rd Ottawa ON	WNW	187.64	<u>12</u>
	5455 Boundary Road Navan ON K4B 1P6	NW	245.15	<u>17</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Entrepreneur Crescent Ottawa ON	WSW	84.67	<u>4</u>

No civic address Ottawa ON	SSW	97.15	5
336 Entrepreneur Crescent Navan ON K4B 1T8	ESE	168.26	7
336 Entrepreneur Crescent Navan ON K4B 1T8	ESE	168.26	7
1 Indcum Rd Ottawa ON	SSW	173.49	8
Southeast corner of the Tradesman Road and Entrepreneur Cres. Ottawa ON	SE	179.00	10
11 & 15 Tradesman Road Vars ON K0A 3H0	SSE	191.40	13

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Feb 28, 2022 has found that there are 1 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>
	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W	210.09	14

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2022 has found that there are 5 FST 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>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	14
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	14

ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	14
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	14
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	W	210.09	14

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH 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>
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	W	210.09	14
ANIVIC ENTREPRISE INC O/A LUSO GAS	5495 BOUNDARY RD CUMBERLAND ON	W	210.09	14

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 4 GEN 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>
Power Asphalt Corp.	145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	SW	180.44	11
Power Asphalt Corp.	145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	SW	180.44	11
Power Asphalt Corp.	145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	SW	180.44	11
Luso Gas Bar	5495 Boundary Road Navan ON K4B 1P6	W	210.09	14

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 3 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>
TOP OIL RESOURCES LTD	5495 BOUNDARY RD CUMBERLAND ON	W	210.09	<u>14</u>
LUSO GAS	5495 BOUNDARY RD CUMBERLAND ON	W	210.09	<u>14</u>
TOTAL PETROLEUM LTD	5495 BOUNDARY RD CUMBERLAND ON	W	210.09	<u>14</u>

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 31, 2022 has found that there are 2 RST 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>
LUSO GAS	5495 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	W	210.09	<u>14</u>
LUSO GAS	5495 BOUNDARY RD GLOUCESTER ON K0A1K0	W	210.09	<u>14</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT 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>
RENES WELDING INC	5507 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	WSW	216.63	<u>15</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 1 SPL 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>
954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K0A 1V0	ESE	168.26	7

WDS - Waste Disposal Sites - MOE CA Inventory

A search of the WDS database, dated Oct 2011- Sep 30, 2022 has found that there are 4 WDS site(s) within approximately 0.25 kilometers of the project property.

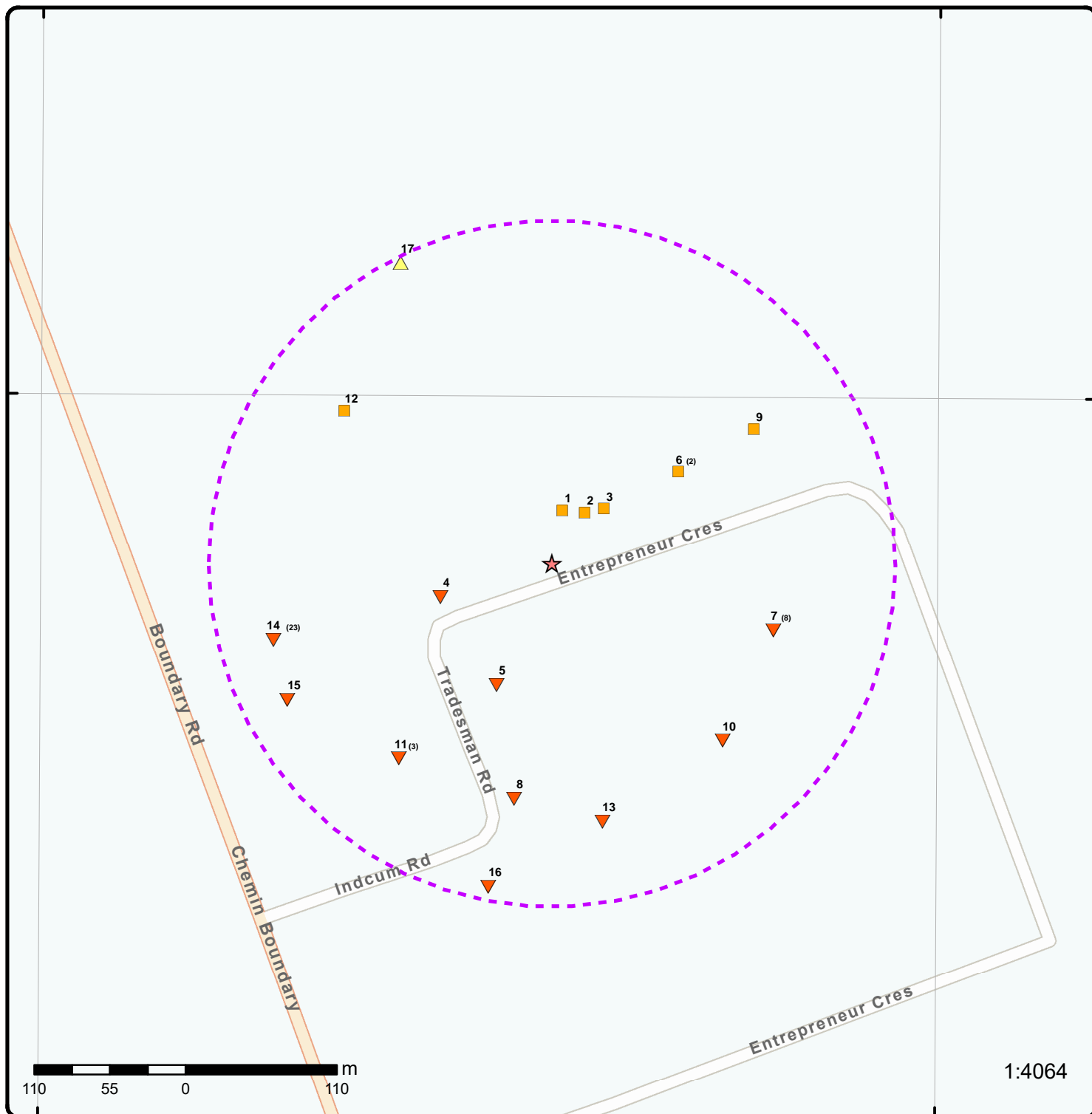
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE	168.26	7
954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE	168.26	7
954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE	168.26	7
954192 Ontario Ltd.	336 Entrepreneur Cres Ottawa ON K1J 7L4	ESE	168.26	7

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 2 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	357 ENTREPRENEUR CRESCENT ON <i>Well ID: 7320860</i>	NNE	39.36	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	120 INDCUN lot 2 con 11 CARLSBAD ON <i>Well ID: 7043396</i>	SSW	239.91	16



Map: 0.25 Kilometer Radius

Order Number: 22120900403

Address: 363 Entrepreneur Crescent, Navan, ON



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



1:10000

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial

Year: 2021

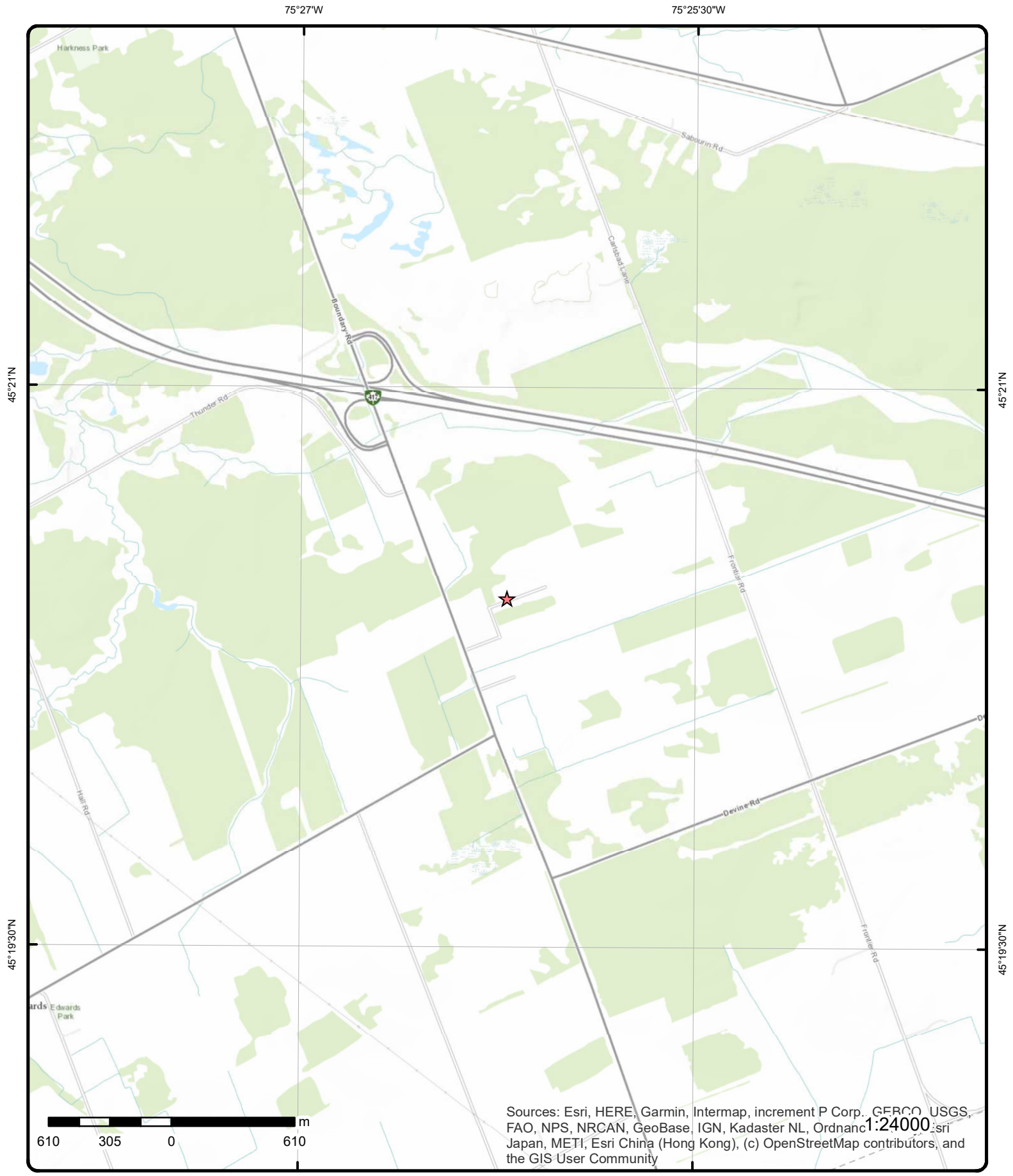
Order Number: 22120900403

Address: 363 Entrepreneur Crescent, Navan, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 363 Entrepreneur Crescent, ON

Source: ESRI World Topographic Map

Order Number: 22120900403



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NNE/39.4	77.9 / 0.00	357 ENTREPRENEUR CRESCENT ON	WWIS
<div> <div> Well ID: 7320860 Construction Date: Use 1st: Domestic Use 2nd: Commerical Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z300222 Tag: A249297 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: CUMBERLAND TOWNSHIP Site Info: </div> <div> Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 25-Oct-2018 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 7417 Form Version: 7 Owner: County: OTTAWA-CARLETON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
PDF URL (Map):					
Additional Detail(s) (Map)					
<div> Well Completed Date: 2018/10/05 Year Completed: 2018 Depth (m): 28.9 Latitude: 45.3409180141197 Longitude: -75.4368159419966 Path: </div>					
Bore Hole Information					
<div> <div> Bore Hole ID: 1007300400 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 05-Oct-2018 00:00:00 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Elevation: Elevrc: Zone: 18 East83: 465777.00 North83: 5020916.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007566012			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		3.700000047683716			
Formation End Depth:		21.299999237060547			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007566013			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		21.299999237060547			
Formation End Depth:		22.600000381469727			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007566011			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		12			
Mat3 Desc:		STONES			
Formation Top Depth:		0.0			
Formation End Depth:		3.700000047683716			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007566014			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		22.600000381469727			
Formation End Depth:		28.899999618530273			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007566050			
Layer:		1			
Plug From:		0.0			
Plug To:		12.100000381469727			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1007566049			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007566009			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007566019			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		23.100000381469727			
Depth To:		28.899999618530273			
Casing Diameter:		15.319999694824219			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1007566018			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-6.0			
Depth To:		23.100000381469727			
Casing Diameter:		15.550000190734863			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1007566020			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1007566010			
Pump Set At:		27.0			
Static Level:		9.619999885559082			
Final Level After Pumping:		21.610000610351562			
Recommended Pump Depth:		27.0			
Pumping Rate:		13.0			
Flowing Rate:					
Recommended Pump Rate:		15.0			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:					
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566023			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		10.729999542236328			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566044			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		9.6899995803833			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566027			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		11.529999732971191			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566037			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		16.8700008392334			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566046			
Test Type:		Recovery			
Test Duration:		60			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		9.600000381469727			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566024			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		19.579999923706055			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566030			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		18.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566041			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		19.399999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566034			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		14.989999771118164			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566036			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		13.210000038146973			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566026			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		19.270000457763672			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566033			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		14.710000038146973			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566045			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		1.6100000143051147			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566029			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		11.699999809265137			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566031			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		13.380000114440918			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566039			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		17.770000457763672			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566021			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		10.489999771118164			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566025			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		11.149999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566028			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		19.0			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566032			
Test Type:		Recovery			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration:		10			
Test Level:		16.90999984741211			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566038			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		12.829999923706055			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566042			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		9.739999771118164			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566022			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		20.790000915527344			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566035			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		15.880000114440918			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566040			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		10.989999771118164			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007566043			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		20.649999618530273			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1007566017			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		27.0			
Water Found Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<u>Hole Diameter</u>					
Hole ID:		1007566016			
Diameter:		15.229999542236328			
Depth From:		12.100000381469727			
Depth To:		28.899999618530273			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1007566015			
Diameter:		24.899999618530273			
Depth From:		0.0			
Depth To:		12.100000381469727			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1007300400			Tag No:	A249297
Depth M:	28.9			Contractor:	7417
Year Completed:	2018			Path:	732\7320860.pdf
Well Completed Dt:	2018/10/05			Latitude:	45.3409180141197
Audit No:	Z300222			Longitude:	-75.4368159419966
<hr/>					
2	1 of 1	NE/44.0	77.9 / 0.00	357 Entrepreneur Cres Navan ON Navan ON K4B 1T8	EHS
Order No:	22041400049			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	20-APR-22			Search Radius (km):	.25
Date Received:	14-APR-22			X:	-75.4366089
Previous Site Name:				Y:	45.3409048
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
<hr/>					
3	1 of 1	NE/55.2	77.9 / 0.00	Entrepreneur Crescent Ottawa ON	EHS
Order No:	20120305024			Nearest Intersection:	
Status:	C			Municipality:	Ottawa
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	3/14/2012 6:07:50 PM			Search Radius (km):	0.25
Date Received:	3/5/2012 6:05:02 PM			X:	-75.43643
Previous Site Name:				Y:	45.340934
Lot/Building Size:	2.22 acres				
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans;				
<hr/>					
4	1 of 1	WSW/84.7	76.9 / -1.00	Entrepreneur Crescent Ottawa ON	EHS
Order No:	20120528038			Nearest Intersection:	
Status:	C			Municipality:	Cumberland
Report Type:	Standard Select Report			Client Prov/State:	ON
Report Date:	06-JUN-12			Search Radius (km):	.25
Date Received:	28-MAY-12			X:	-75.437943

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Previous Site Name:				Y:	45.340346
Lot/Building Size:		122' by 263'			
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory			
<u>5</u>	1 of 1	SSW/97.1	76.9 / -1.00	No civic address Ottawa ON	EHS
Order No:		20081003002		Nearest Intersection:	Boundary Road and Indcum Road
Status:		C		Municipality:	Ottawa (Formerly Cumberland)
Report Type:		Standard Report		Client Prov/State:	ON
Report Date:		10/8/2008		Search Radius (km):	0.25
Date Received:		10/3/2008		X:	-75.437417
Previous Site Name:				Y:	45.339772
Lot/Building Size:		2 acres			
Additional Info Ordered:		Title Search			
<u>6</u>	1 of 2	ENE/113.7	77.9 / 0.00	345 Entrepreneur Crescent Navan ON K4B 1T8	EHS
Order No:		21090300083		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	ON
Report Date:		09-SEP-21		Search Radius (km):	.25
Date Received:		03-SEP-21		X:	-75.4357422
Previous Site Name:				Y:	45.3411779
Lot/Building Size:					
Additional Info Ordered:		City Directory			
<u>6</u>	2 of 2	ENE/113.7	77.9 / 0.00	345 Entrepreneur Crescent Navan ON K4B 1T8	EHS
Order No:		21090300083		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	ON
Report Date:		09-SEP-21		Search Radius (km):	.25
Date Received:		03-SEP-21		X:	-75.4357422
Previous Site Name:				Y:	45.3411779
Lot/Building Size:					
Additional Info Ordered:		City Directory			
<u>7</u>	1 of 8	ESE/168.3	76.9 / -1.00	954192 Ontario Ltd. 336 Entrepreneur Cres Ottawa ON K1J 7L4	ECA
Approval No:		4006-8SEPQJ		MOE District:	
Approval Date:		2012-03-23		City:	
Status:		Approved		Longitude:	
Record Type:		ECA		Latitude:	
Link Source:		IDS		Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:		ECA-INDUSTRIAL SEWAGE WORKS			
Project Type:		INDUSTRIAL SEWAGE WORKS			
Business Name:		954192 Ontario Ltd.			
Address:		336 Entrepreneur Cres			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/6907-8LPRZM-14.pdf			
PDF Site Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	2 of 8	ESE/168.3	76.9 / -1.00	954192 Ontario Ltd. 336 Entrepreneur Cres Ottawa ON K1J 7L4	WDS
Approval No: 2181-896PCL Mob Unit Cert No: EBR Registry No: Status: Revoked and/or Replaced Facility Type: Record Type: ECA Link Source: IDS Project Type: WASTE DISPOSAL SITES Application Status: Issue Date: 2012-03-28 Input Date: Date Received: Est Closure Date: Mobile Capacity: Mobile Units: Mobile Description: Prop City: Prop Postal: Prop Phone: Serial Link: Approval Type: ECA-WASTE DISPOSAL SITES Proponent: Prop Address: Proponent County/District: Full Address: 336 Entrepreneur Cres Site Lot: Waste Class Code: Waste Class: Waste Type: Waste Type Other: Waste Description: Landfill Monitoring: Landfill Ctrl Type: Site Closing Description: Project Description: Municipalities Served: Approval Description: Other Approvals/Permits: PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/5179-7PNRUL-14.pdf PDF Site Location:		Total Area (ha): Landfill Cap (m³): Transfer Area (ha): Transfer Cap (m³): Transfer Cert No: Inciner. Area (ha): Inciner. Cap (t): Process Area (m³): Process Cap (m³/d): Process Vol (m³): Process Feed (m³): Site Concession: Site Region/County: South Nation SWP Area Name: Ottawa MOE District: District Office: Latitude: 45.30853 Longitude: -75.463295 Geometry X: Geometry Y:			

7	3 of 8	ESE/168.3	76.9 / -1.00	954192 Ontario Ltd. 336 Entrepreneur Cres Ottawa ON K1J 7L4	WDS
Approval No: 2181-896PCL Mob Unit Cert No: EBR Registry No: Status: Revoked and/or Replaced Facility Type: Record Type: ECA Link Source: IDS Project Type: WASTE DISPOSAL SITES Application Status: Issue Date: 2016-10-03 Input Date: Date Received: Est Closure Date: Mobile Capacity:		Total Area (ha): Landfill Cap (m³): Transfer Area (ha): Transfer Cap (m³): Transfer Cert No: Inciner. Area (ha): Inciner. Cap (t): Process Area (m³): Process Cap (m³/d): Process Vol (m³): Process Feed (m³): Site Concession: Site Region/County: South Nation SWP Area Name:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mobile Units: Mobile Description: Prop City: Prop Postal: Prop Phone: Serial Link: Approval Type: Proponent: Prop Address: Proponent County/District: Full Address: Site Lot: Waste Class Code: Waste Class: Waste Type: Waste Type Other: Waste Description: Landfill Monitoring: Landfill Ctrl Type: Site Closing Description: Project Description: Municipalities Served: Approval Description: Other Approvals/Permits: PDF URL: PDF Site Location:		ECA-WASTE DISPOSAL SITES		MOE District: District Office: Latitude: Longitude: Geometry X: Geometry Y:	Ottawa 45.30853 -75.463295
7	4 of 8	ESE/168.3	76.9 / -1.00	954192 Ontario Ltd. 336 Entrepreneur Cres Ottawa ON K1J 7L4	WDS
Approval No: Mob Unit Cert No: EBR Registry No: Status: Facility Type: Record Type: Link Source: Project Type: Application Status: Issue Date: Input Date: Date Received: Est Closure Date: Mobile Capacity: Mobile Units: Mobile Description: Prop City: Prop Postal: Prop Phone: Serial Link: Approval Type: Proponent: Prop Address: Proponent County/District: Full Address: Site Lot: Waste Class Code: Waste Class: Waste Type: Waste Type Other: Waste Description: Landfill Monitoring: Landfill Ctrl Type:	2181-896PCL Revoked and/or Replaced ECA IDS WASTE DISPOSAL SITES 2012-11-30	ECA-WASTE DISPOSAL SITES		Total Area (ha): Landfill Cap (m³): Transfer Area (ha): Transfer Cap (m³): Transfer Cert No: Inciner. Area (ha): Inciner. Cap (t): Process Area (m³): Process Cap (m³/d): Process Vol (m³): Process Feed (m³): Site Concession: Site Region/County: SWP Area Name: MOE District: District Office: Latitude: Longitude: Geometry X: Geometry Y:	South Nation Ottawa 45.30853 -75.463295

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Closing Description: Project Description: Municipalities Served: Approval Description: Other Approvals/Permits: PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/3299-8Z4T8G-14.pdf PDF Site Location:					
7	5 of 8	ESE/168.3	76.9 / -1.00	954192 Ontario Ltd. 336 Entrepreneur Cres Ottawa ON K0A 1V0	SPL
Ref No: 1856-BAW NX5 Site No: 3254-7PYK9P Incident Dt: 3/31/2019 Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 4/4/2019 Dt Document Closed: 4/29/2019 Incident Reason: Site Name: U Fill I Haul Site County/District: NA Site Geo Ref Meth: NA Incident Summary: Non-compliance with FA re-evaluation required Contaminant Qty:					
Discharger Report: Material Group: Health/Env Conseq: Client Type: Corporation Sector Type: Agency Involved: Nearest Watercourse: Site Address: 336 Entrepreneur Cres Site District Office: Ottawa Site Postal Code: K0A 1V0 Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: NA Northing: NA Easting: NA Site Geo Ref Accu: NA Site Map Datum: NA SAC Action Class: Source Type:					
7	6 of 8	ESE/168.3	76.9 / -1.00	954192 Ontario Ltd. 336 Entrepreneur Cres Ottawa ON K1J 7L4	WDS
Approval No: 2181-896PCL Mob Unit Cert No: EBR Registry No: Status: Approved Facility Type: Record Type: ECA Link Source: IDS Project Type: WASTE DISPOSAL SITES Application Status: Issue Date: 2020-03-09 Input Date: Date Received: Est Closure Date: Mobile Capacity: Mobile Units: Mobile Description: Prop City: Prop Postal: Prop Phone: Serial Link:					
Total Area (ha): Landfill Cap (m³): Transfer Area (ha): Transfer Cap (m³): Transfer Cert No: Inciner. Area (ha): Inciner. Cap (t): Process Area (m³): Process Cap (m³/d): Process Vol (m³): Process Feed (m³): Site Concession: Site Region/County: SWP Area Name: South Nation MOE District: Ottawa District Office: Latitude: 45.30853 Longitude: -75.463295 Geometry X: Geometry Y:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: ECA-WASTE DISPOSAL SITES Proponent: Prop Address: Proponent County/District: Full Address: 336 Entrepreneur Cres Site Lot: Waste Class Code: Waste Class: Waste Type: Waste Type Other: Waste Description: Landfill Monitoring: Landfill Ctrl Type: Site Closing Description: Project Description: Municipalities Served: Approval Description: Other Approvals/Permits: PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/1204-BBPJFM-13.pdf PDF Site Location:					
7	7 of 8	ESE/168.3	76.9 / -1.00	336 Entrepreneur Crescent Navan ON K4B 1T8	EHS
Order No: 21011900071 Status: C Report Type: Standard Report Report Date: 22-JAN-21 Date Received: 19-JAN-21 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.4348505 Y: 45.3401406					
7	8 of 8	ESE/168.3	76.9 / -1.00	336 Entrepreneur Crescent Navan ON K4B 1T8	EHS
Order No: 21011900071 Status: C Report Type: Standard Report Report Date: 22-JAN-21 Date Received: 19-JAN-21 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.4348505 Y: 45.3401406					
8	1 of 1	SSW/173.5	75.9 / -2.03	1 Indcum Rd Ottawa ON	EHS
Order No: 20150312110 Status: C Report Type: Custom Report Report Date: 19-MAR-15 Date Received: 12-MAR-15 Previous Site Name: Lot/Building Size: Additional Info Ordered: City Directory; Aerial Photos Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.437251 Y: 45.339027					
9	1 of 1	ENE/176.4	77.9 / 0.00	4 Tradesman Rd Ottawa ON K4B1T8	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20140307076 Status: C Report Type: Custom Report Report Date: 13-MAR-14 Date Received: 07-MAR-14 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.435043 Y: 45.341458					
10	1 of 1	SE/179.0	75.9 / -2.00	Southeast corner of the Tradesman Road and Entrepreneur Cres. Ottawa ON	EHS
Order No: 20080509005 Status: C Report Type: Custom Report Report Date: 5/21/2008 Date Received: 5/9/2008 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: BC Search Radius (km): 0.25 X: -75.435317 Y: 45.339415					
11	1 of 3	SW/180.4	76.9 / -1.00	Power Asphalt Corp. 145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	GEN
Generator No: ON5359745 SIC Code: 324121 SIC Description: ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING Approval Years: 2016 PO Box No: Country: Canada Status: Co Admin: Choice of Contact: CO_OFFICIAL Phone No Admin: Contaminated Facility: No MHSW Facility: No					
<u>Detail(s)</u>					
Waste Class: 252 Waste Class Name: WASTE OILS & LUBRICANTS Waste Class: 232 Waste Class Name: POLYMERIC RESINS					
11	2 of 3	SW/180.4	76.9 / -1.00	Power Asphalt Corp. 145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	GEN
Generator No: ON5359745 SIC Code: SIC Description: Approval Years: As of Dec 2017 PO Box No: Country: Canada Status: Registered Co Admin: Choice of Contact:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Phone No Admin: Contaminated Facility: MHSW Facility:					
Detail(s)					
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			
11	3 of 3	SW/180.4	76.9 / -1.00	Power Asphalt Corp. 145 Indcum P.O. Box 65 Carlsbad Springs ON K0A 1K0	GEN
Generator No:		ON5359745			
SIC Code:					
SIC Description:					
Approval Years:		As of Dec 2018			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:		252 L			
Waste Class Name:		Waste crankcase oils and lubricants			
12	1 of 1	WNW/187.6	77.9 / 0.00	5455 Boundary Rd Ottawa ON	EHS
Order No:		20130422019		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		01-MAY-13		Search Radius (km): .25	
Date Received:		22-APR-13		X: 0	
Previous Site Name:				Y: 0	
Lot/Building Size:					
Additional Info Ordered:		City Directory			
13	1 of 1	SSE/191.4	75.9 / -2.00	11 & 15 Tradesman Road Vars ON K0A 3H0	EHS
Order No:		20190624113		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		02-JUL-19		Search Radius (km): .25	
Date Received:		24-JUN-19		X: -75.436428	
Previous Site Name:				Y: 45.338881	
Lot/Building Size:					
Additional Info Ordered:		City Directory; Aerial Photos			
14	1 of 23	W/210.1	76.9 / -1.00	TOP OIL RESOURCES LTD 5495 BOUNDARY RD CUMBERLAND ON	PRT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Location ID: Type: Expiry Date: Capacity (L): Licence #:		17843 retail 1990-06-30 19798 0000015465			
14	2 of 23	W/210.1	76.9 / -1.00	TOTAL PETROLEUM LTD 5495 BOUNDARY RD CUMBERLAND ON	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		17843 retail 1994-07-31 100000 0076392224			
14	3 of 23	W/210.1	76.9 / -1.00	LUSO GAS 5495 BOUNDARY RD CUMBERLAND ON	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		17843 retail 1995-08-31 100000 0076426543			
14	4 of 23	W/210.1	76.9 / -1.00	LUSO GAS 5495 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	RST
Headcode: Headcode Desc: Phone: List Name: Description:		1186800 Service Stations-Gasoline, Oil & Natural Gas 6138221863			
14	5 of 23	W/210.1	76.9 / -1.00	LUSO GAS 5495 BOUNDARY RD GLOUCESTER ON K0A1K0	RST
Headcode: Headcode Desc: Phone: List Name: Description:		01186800 SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
14	6 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		12/28/2001 Licensed August 2007 Retail Fuel Outlet Gasoline Station - Full Serve			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		15000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Other			
<hr/>					
14	7 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND ON	FSTH
License Issue Date:		12/28/2001			
Tank Status:		Pending Renewal			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
--Details--					
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		15000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Other			
Status:		Active			
Year of Installation:		1998			
Corrosion Protection:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Capacity:		9200			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1989			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1998			
Corrosion Protection:					
Capacity:		15000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Diesel			
14	8 of 23	W/210.1	76.9 / -1.00	TOTAL PETROLEUM LTD 5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	DTNK

**Delisted Expired Fuel Safety
Facilities**

Instance No:	9995453	Expired Date:	6/4/1993
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Date:		Up to May 2013			
14	9 of 23	W/210.1	76.9 / -1.00	TOP OIL RESOURCES LTD 5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	DTNK
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:	9189889			Expired Date:	6/7/1989
Status:	EXPIRED			Max Hazard Rank:	
Instance ID:				Facility Location:	
Instance Type:	FS Facility			Facility Type:	
Instance Creation Dt:				Fuel Type 2:	
Instance Install Dt:				Fuel Type 3:	
Item Description:				Panam Related:	
Manufacturer:				Panam Venue Nm:	
Model:				External Identifier:	
Serial No:				Item:	
ULC Standard:				Piping Steel:	
Quantity:				Piping Galvanized:	
Unit of Measure:				Tank Single Wall St:	
Overfill Prot Type:				Piping Underground:	
Creation Date:				Tank Underground:	
Next Periodic Str DT:				Source:	
TSSA Base Sched Cycle 2:					
TSSAMax Hazard Rank 1:					
TSSA Risk Based Periodic Yn:					
TSSA Volume of Directives:					
TSSA Periodic Exempt:					
TSSA Statutory Interval:					
TSSA Recd Insp Interva:					
TSSA Recd Tolerance:					
TSSA Program Area:					
TSSA Program Area 2:					
Description:					
Original Source:	EXP				
Record Date:	Up to May 2013				
14	10 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	FST
Instance No:	11292671			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank			Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Single Wall UST			Fuel Type2:	NULL
Install Date:	6/3/2009			Fuel Type3:	NULL
Install Year:	1989			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	25000			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Full Serve				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility Location: Device Installed Location: 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA					
Liquid Fuel Tank Details					
Overfill Protection: Owner Account Name: ANIVIC ENTREPRISE INC O/A LUSO GAS Item: FS LIQUID FUEL TANK					
14	11 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	FST
Instance No: 11292649 Status: Cont Name: Instance Type: FS Liquid Fuel Tank Item: Item Description: FS Liquid Fuel Tank Tank Type: Single Wall UST Install Date: 6/3/2009 Install Year: 1989 Years in Service: Model: NULL Description: Capacity: 35000 Tank Material: Steel Corrosion Protect: Sacrificial anode Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: FS Gasoline Station - Full Serve Facility Location: Device Installed Location: 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA					
Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Gasoline Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:					
Liquid Fuel Tank Details					
Overfill Protection: Owner Account Name: ANIVIC ENTREPRISE INC O/A LUSO GAS Item: FS LIQUID FUEL TANK					
14	12 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	FST
Instance No: 11292691 Status: Cont Name: Instance Type: FS Liquid Fuel Tank Item: Item Description: FS Liquid Fuel Tank Tank Type: Single Wall UST Install Date: 6/3/2009 Install Year: 1989 Years in Service: Model: NULL Description: Capacity: 25000 Tank Material: Steel Corrosion Protect: Sacrificial anode Overfill Protect: Facility Type: FS Liquid Fuel Tank					
Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Diesel Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Location:					
Device Installed Location:		5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:		ANIVIC ENTREPRISE INC O/A LUSO GAS			
Item:		FS LIQUID FUEL TANK			

14	13 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	FST
Instance No:		11571736		Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:		FS Liquid Fuel Tank		Quantity:	
Item:				Unit of Measure:	
Item Description:		FS Liquid Fuel Tank		Fuel Type:	Gasoline
Tank Type:		Double Wall UST		Fuel Type2:	NULL
Install Date:		6/3/2009		Fuel Type3:	NULL
Install Year:		1998		Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		9200		No Underground:	
Tank Material:		Steel		Panam Related:	
Corrosion Protect:		Sacrificial anode		Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Location:					
Device Installed Location:		5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:		ANIVIC ENTREPRISE INC O/A LUSO GAS			
Item:		FS LIQUID FUEL TANK			

14	14 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	FST
Instance No:	11292709	Manufacturer:			
Status:		Serial No:			
Cont Name:		Ulc Standard:			
Instance Type:	FS Liquid Fuel Tank	Quantity:			
Item:		Unit of Measure:			
Item Description:	FS Liquid Fuel Tank	Fuel Type:		Gasoline	
Tank Type:	Single Wall UST	Fuel Type2:		NULL	
Install Date:	6/3/2009	Fuel Type3:		NULL	
Install Year:	1989	Piping Steel:			
Years in Service:		Piping Galvanized:			
Model:	NULL	Tanks Single Wall St:			
Description:		Piping Underground:			
Capacity:	15000	No Underground:			
Tank Material:	Steel	Panam Related:			
Corrosion Protect:	Sacrificial anode	Panam Venue:			
Overfill Protect:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Location:					
Device Installed Location:		5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:		ANIVIC ENTREPRISE INC O/A LUSO GAS			
Item:		FS LIQUID FUEL TANK			

14	15 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11292649	Expired Date:	
Status:	Abandoned	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA FS LIQUID FUEL TANK
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL
Instance Install Dt:	6/3/2009	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	
Overfill Prot Type:	NULL	Piping Underground:	
Creation Date:	7/5/2009 1:24:36 AM	Tank Underground:	
Next Periodic Str DT:	NULL	Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL		
TSSA Max Hazard Rank 1:	NULL		
TSSA Risk Based Periodic Yn:	NULL		
TSSA Volume of Directives:	NULL		
TSSA Periodic Exempt:	NULL		
TSSA Statutory Interval:	NULL		
TSSA Recd Insp Interva:	NULL		
TSSA Recd Tolerance:	NULL		
TSSA Program Area:	NULL		
TSSA Program Area 2:	NULL		
Description:	2009VBS REGULAR		
Original Source:	EXP		
Record Date:	31-JUL-2020		

14	16 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11292671	Expired Date:	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Status:	Abandoned			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM			Fuel Type 2:	NULL
Instance Install Dt:	6/3/2009			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:24:33 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	2009VBS REGULAR				
Original Source:	EXP				
Record Date:	31-JUL-2020				

14	17 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	DTNK
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Delisted Expired Fuel Safety
Facilities

Instance No:	11292691	Expired Date:	
Status:	Abandoned	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL
Instance Install Dt:	6/3/2009	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	
Overfill Prot Type:	NULL	Piping Underground:	
Creation Date:	7/5/2009 1:24:36 AM	Tank Underground:	
Next Periodic Str DT:	NULL	Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL		
TSSAMax Hazard Rank 1:	NULL		
TSSA Risk Based Periodic Yn:	NULL		
TSSA Volume of Directives:	NULL		
TSSA Periodic Exempt:	NULL		
TSSA Statutory Interval:	NULL		
TSSA Recd Insp Interva:	NULL		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TSSA Recd Tolerance:		NULL			
TSSA Program Area:		NULL			
TSSA Program Area 2:		NULL			
Description:		2009VBS			
Original Source:		EXP			
Record Date:		31-JUL-2020			

14	18 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11571736	Expired Date:	
Status:	Abandoned	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL
Instance Install Dt:	6/3/2009	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	
Overfill Prot Type:	NULL	Piping Underground:	
Creation Date:	7/5/2009 1:26:05 AM	Tank Underground:	
Next Periodic Str DT:	NULL	Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL		
TSSAMax Hazard Rank 1:	NULL		
TSSA Risk Based Periodic Yn:	NULL		
TSSA Volume of Directives:	NULL		
TSSA Periodic Exempt:	NULL		
TSSA Statutory Interval:	NULL		
TSSA Recd Insp Interva:	NULL		
TSSA Recd Tolerance:	NULL		
TSSA Program Area:	NULL		
TSSA Program Area 2:	NULL		
Description:	2009VBS REGULAR		
Original Source:	EXP		
Record Date:	31-JUL-2020		

14	19 of 23	W/210.1	76.9 / -1.00	ANIVIC ENTREPRISE INC O/A LUSO GAS 5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11292709	Expired Date:	
Status:	Abandoned	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> Instance Install Dt: 6/3/2009 Item Description: FS Liquid Fuel Tank Manufacturer: NULL Model: NULL Serial No: NULL ULC Standard: NULL Quantity: 1 Unit of Measure: EA Overfill Prot Type: NULL Creation Date: 7/5/2009 1:24:30 AM Next Periodic Str DT: NULL TSSA Base Sched Cycle 2: NULL TSSAMax Hazard Rank 1: NULL TSSA Risk Based Periodic Yn: NULL TSSA Volume of Directives: NULL TSSA Periodic Exempt: NULL TSSA Statutory Interval: NULL TSSA Recd Insp Interva: NULL TSSA Recd Tolerance: NULL TSSA Program Area: NULL TSSA Program Area 2: NULL Description: 2009VBS ETHANOL Original Source: EXP Record Date: 31-JUL-2020 </div> <div> Fuel Type 3: NULL Panam Related: NULL Panam Venue Nm: NULL External Identifier: NULL Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source: FS Liquid Fuel Tank </div> </div>					

14	20 of 23	W/210.1	76.9 / -1.00	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 10092079 Status: Abandoned Instance ID:		Expired Date: Max Hazard Rank: Facility Location: 5495 BOUNDARY RD CUMBERLAND K4B 1P6	
Instance Type: Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: Original Source: EXP Record Date: 31-MAY-2021		Facility Type: Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: FS GASOLINE STATION - FULL SERVE Piping Steel: 3 Piping Galvanized: 2 Tank Single Wall St: 4 Piping Underground: 4 Tank Underground: 5 Source: FS All Facility	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	21 of 23	W/210.1	76.9 / -1.00	5495 BOUNDARY RD CUMBERLAND K4B 1P6 ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10092079	Expired Date:	
Status:	Abandoned	Max Hazard Rank:	
Instance ID:		Facility Location:	5495 BOUNDARY RD CUMBERLAND K4B 1P6
Instance Type:		Facility Type:	FS Piping
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	FS GASOLINE STATION - FULL SERVE
ULC Standard:		Piping Steel:	3
Quantity:		Piping Galvanized:	2
Unit of Measure:		Tank Single Wall St:	0
Overfill Prot Type:		Piping Underground:	4
Creation Date:		Tank Underground:	0
Next Periodic Str DT:		Source:	FS Expired Facilities
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	31-MAY-2021		

14	22 of 23	W/210.1	76.9 / -1.00	5495 BOUNDARY RD CUMBERLAND ON K4B 1P6	EXP
Instance No:	10092079	Model:			
Status:	Abandoned	Quantity:			
Instance ID:		Unit of Measure:			
Instance Type:		Fuel Type2:			
Instance Creation Dt:		Fuel Type3:			
Instance Install Dt:		Piping Steel:			
Item:	FS GASOLINE STATION - FULL SERVE	Piping Galvanized:			
Item Description:		Tank Single Wall St:			
Facility Type:		Piping Underground:			
Overfill Prot Type:		Tank Underground:			
Creation Date:		Panam Related:			
Expired Date:		Panam Venue Nm:			
Manufacturer:					
Description:					
Serial No:					
Ulc Standard:					
Facility Location:					
Source:					

Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Underground:	0			Piping Galvanized:	2
Piping Underground:	4			Piping Steel:	3
Tank Single Wall St:	0			Context:	FS Piping
Details					
Tank Underground:	5			Piping Galvanized:	0
Piping Underground:	0			Piping Steel:	0
Tank Single Wall St:	4			Context:	FS Liquid Fuel Tank
14	23 of 23	W/210.1	76.9 / -1.00	Luso Gas Bar 5495 Boundary Road Navan ON K4B 1P6	GEN
Generator No:	ON5179187				
SIC Code:					
SIC Description:					
Approval Years:	As of Oct 2022				
PO Box No:					
Country:	Canada				
Status:	Registered				
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:	221 L				
Waste Class Name:	LIGHT FUELS				
15	1 of 1	WSW/216.6	76.9 / -1.00	RENES WELDING INC 5507 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	SCT
Established:	1982				
Plant Size (ft²):					
Employment:	2				
--Details--					
Description:	FABRICATED METAL PRODUCTS, N.E.C.				
SIC/NAICS Code:	3499				
16	1 of 1	SSW/239.9	75.9 / -1.97	120 INDCUN lot 2 con 11 CARLSBAD ON	WWIS
Well ID:	7043396			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Commerical			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Water Supply			Date Received:	09-May-2007 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z71657			Contractor:	6006
Tag:	A053936			Form Version:	3
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	002
Depth to Bedrock:				Concession:	11

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		CUMBERLAND TOWNSHIP			
Site Info:		50R-6240			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7043396.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2007/04/26			
Year Completed:		2007			
Depth (m):		32.42			
Latitude:		45.3384490674578			
Longitude:		-75.4374861738235			
Path:		704\7043396.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		11765693		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	465723.00
Code OB Desc:				North83:	5020642.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:		26-Apr-2007 00:00:00		UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933100044			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3.630000114440918			
Formation End Depth:		30.299999237060547			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933100043			
Layer:		2			
Color:		7			
General Color:		RED			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.8999999761581421			
Formation End Depth:		3.630000114440918			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933100042			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.8999999761581421			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933100046			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		31.899999618530273			
Formation End Depth:		32.41999816894531			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933100045			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		30.299999237060547			
Formation End Depth:		31.899999618530273			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		933318421			
Layer:		1			
Plug From:		0.0			
Plug To:		7.570000171661377			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		967043396			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11773383			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930898936			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		31.510000228881836			
Depth To:		32.41999816894531			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930898935			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		31.510000228881836			
Casing Diameter:		15.550000190734863			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		11778318			
Pump Set At:		9.09000015258789			
Static Level:		2.890000104904175			
Final Level After Pumping:		3.0399999618530273			
Recommended Pump Depth:		9.09000015258789			
Pumping Rate:		58.5			
Flowing Rate:					
Recommended Pump Rate:		15.5			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Pumping Test Method:					
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:					
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819406				
Test Type:	Recovery				
Test Duration:	1				
Test Level:	2.890000104904175				
Test Level UOM:	m				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819407				
Test Type:	Draw Down				
Test Duration:	2				
Test Level:	3.1700000762939453				
Test Level UOM:	m				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819409				
Test Type:	Draw Down				
Test Duration:	3				
Test Level:	3.119999885559082				
Test Level UOM:	m				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819422				
Test Type:	Recovery				
Test Duration:	25				
Test Level:	2.890000104904175				
Test Level UOM:	m				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819424				
Test Type:	Recovery				
Test Duration:	30				
Test Level:	2.890000104904175				
Test Level UOM:	m				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819427				
Test Type:	Draw Down				
Test Duration:	50				
Test Level:	3.0399999618530273				
Test Level UOM:	m				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11819425				
Test Type:	Draw Down				
Test Duration:	40				
Test Level:	3.0399999618530273				
Test Level UOM:	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819428			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819405			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		3.200000047683716			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819412			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819416			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819423			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		3.0399999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819411			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		3.0999999046325684			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819413			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		3.0999999046325684			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		11819408			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819414			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819417			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		3.0399999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819419			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		3.0399999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819420			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819410			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819415			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		3.0799999237060547			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819418			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		2.890000104904175			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819421			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		3.0399999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819426			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819429			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		3.0399999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11819430			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		2.890000104904175			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934085859			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		31.510000228881836			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11852239			
Diameter:		20.31999969482422			
Depth From:		0.0			
Depth To:		7.570000171661377			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	11765693		Tag No:	A053936	
Depth M:	32.42		Contractor:	6006	
Year Completed:	2007		Path:	704\7043396.pdf	
Well Completed Dt:	2007/04/26		Latitude:	45.3384490674578	
Audit No:	Z71657		Longitude:	-75.4374861738235	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
17	1 of 1	NW/245.2	78.9 / 1.00	5455 Boundary Road Navan ON K4B 1P6	EHS
<div> <div> Order No: 20191023069 Status: C Report Type: Custom Report Report Date: 31-OCT-19 Date Received: 23-OCT-19 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; Aerial Photos </div> <div> Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.438331 Y: 45.342536 </div> </div>					

Unplottable Summary

Total: 4 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
EBR	954192 Ontario Ltd.	Ottawa Part: Block 4 Plan: 50M136 CITY OF OTTAWA	ON	
PRT	REGENT POMERLEAU	BOUNDARY RD	OTTAWA ON	
RSC		Part Lot 23, Township of Gloucester	Ottawa ON	
SPL	UNKNOWN	DIRT ROAD OFF BOUNDARY ROAD BETWEEN INCOME ROAD & 417 AUTOPARTS LTD.	CUMBERLAND TOWNSHIP ON	

Unplottable Report

Site: 954192 Ontario Ltd.
Ottawa Part: Block 4 Plan: 50M136 CITY OF OTTAWA ON

Database:
[EBR](#)

EBR Registry No: 010-6109
Ministry Ref No: 5179-7PNRUL
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 03, 2012
Proposal Date: March 10, 2009
Year: 2009
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (EPA Part II.1-waste) - Environmental Compliance Approval (project type: waste)
Off Instrument Name:
Posted By:
Company Name: 954192 Ontario Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 24 Florette Street, Ottawa Ontario, Canada K1J 7L4
Comment Period:
URL:

Site Location Details:

Ottawa Part: Block 4 Plan: 50M136 CITY OF OTTAWA

Site: REGENT POMERLEAU
BOUNDARY RD OTTAWA ON

Database:
[PRT](#)

Location ID: 10882
Type: private
Expiry Date:
Capacity (L): 27276.00
Licence #: 0001028875

Site: Part Lot 23, Township of Gloucester Ottawa ON

Database:
[RSC](#)

RSC ID:
RA No:
RSC Type:
Curr Property Use:
Ministry District: Ottawa
Filing Date: 07/05/01
Date Ack:
Date Returned: 07/23/01
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:
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:

Consultant: DST Consulting Engineers Inc.
Legal Desc:
Measurement Method:
Applicable Standards:
RSC PDF:

Site: UNKNOWN
DIRT ROAD OFF BOUNDARY ROAD BETWEEN INCOME ROAD & 417 AUTOPARTS LTD. CUMBERLAND
TOWNSHIP ON

Database:
SPL

Ref No:	111456	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	3/29/1995	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CONTAINER LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20601
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	WORKS, FD, OPP
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	3/29/1995	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	UNKNOWN	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	UNKNOWN: 1125 L DIESEL TO DITCH FROM LEAKING DRUMS: FD, WORKS, OPP		
Contaminant Qty:			

Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

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-Mar 2022

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-May 31, 2022

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 2020

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, 2022

Chemical Manufacturers and Distributors:Private [CHEM](#)

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:Private [CHM](#)

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-May 31, 2022

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 -Sep 2022

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-Sep 2022

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

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

Government Publication Date: 1994 - Oct 31, 2022

Drill Hole Database:

Provincial

[DRL](#)

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

Government Publication Date: 1886 - Oct 2022

Delisted Fuel Tanks:

Provincial

[DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

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- Sep 30, 2022

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 - Oct 31, 2022

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- Sep 30, 2022

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-Jul 31, 2022

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 ERIIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

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, 2021

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, 2022

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-Sep 2022

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, 2022

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-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 21, 2022

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-Feb 2022

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, 2020

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory:**

Federal

NPRI

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

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

OGWE

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

Government Publication Date: 1988-Aug 31, 2022**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Aug 2021**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include 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 - Oct 31, 2022**Canadian Pulp and Paper:**

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011- Sep 30, 2022

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, 2021

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994 - Oct 31, 2022

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Oct 2022

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-May 31, 2022

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

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, 2020

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

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- Sep 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Jun 30 2022

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 D

City of Ottawa Freedom of Information Response



File Number: A-2022-00712

December 28, 2022

By email: akader@lrl.ca

Abdul kader Alhaj
LRL Associates
5430 Canotek Road
Ottawa, Ontario K1J 9G2

Dear Abdul kader Alhaj:

Re: Access to Information Request - In support of a Phase I Environmental Site Assessment for the properties located at 363 Entrepreneur Crescent, Ottawa, Ontario, {we are} looking to obtain any records of potential environmental concern pertaining to the subject site. This can include, but is not limited to, bylaw violations, orders, spill, septic decommissioning, records of uncontrolled dumping or any additional records related to the site and possible natural environment.

This letter is in response to your request made under the *Municipal Freedom of Information and Protection of Privacy Act*, (the Act), received on December 16, 2022. Access is hereby granted in full to the records requested.

The City of Ottawa is waiving any further fee that can be charged to process this request since the cost is less than five dollars.

Should you have any questions concerning your request, please contact **Eric de Gagné** from the Access to Information and Privacy Office at 613-580-2424, extension **12146** or **Eric.deGagne@ottawa.ca**.

Sincerely,

Leslie Hicks

Leslie Hicks
Program Manager, Access to Information and Privacy Office
Office of the City Clerk

Attach.

City of Ottawa
110 Laurier Avenue West
Ottawa, ON K1P 1J1
Tel.: 613-580-2400
www.ottawa.ca

Ville d'Ottawa
110, avenue Laurier Ouest
Ottawa (ON) K1P 1J1
Tél.: 613-580-2400
www.ottawa.ca

Please refer to the website of the Information Privacy and Commissioner at <https://www.ipc.on.ca/> for up to date information on their operations.

You may request the Information and Privacy Commissioner to review this decision within thirty days from the date of this letter. You can do so by filing an appeal by:

- Mail to: Registrar, Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, Ontario, M4W 1A8, Telephone: 416-326-3333 or toll free 1-800-387-0073.
- Online at <https://www.ipc.on.ca/>

If you decide to request a review of this decision, please provide the Commissioner's office with the following:

- The file number listed at the beginning of the letter
- A copy of the decision letter
- A copy of the original request for information you sent to the institution
- The reasons why you believe the records exist (*if the decision was that no records exist*)

In addition, you must send an appeal fee to the Commissioner's office. If your request was for your personal information, the appeal fee is \$10.00. The appeal fee for all other requests for information is \$25.00. Please include the fee with your letter of appeal. Appeal fees should be in the form of either a cheque or money order, payable to the "Minister of Finance".

B-2877

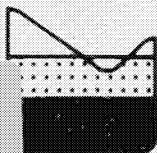
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TERRAIN AND HYDROGEOLOGICAL ANALYSIS

INDCUM INDUSTRIAL SUBDIVISION

WEST HALF, LOT 23, CON. 11
Township of Cumberland

JUNE 1982



WATER AND EARTH SCIENCE ASSOCIATES LTD.

BOX 4670, POSTAL STATION E, OTTAWA, ONTARIO

2

1

A0037139_1-00001

TERRAIN ANALYSIS AND HYDROGEOLOGIC
EVALUATION

West Half Lot 23, Con. 11
Township of Cumberland

June 1982

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1.0 INTRODUCTION

Water and Earth Science Associates Ltd. were hired to conduct a hydrogeologic investigation of a property which is proposed for use as a light industrial park. On the recommendation of the Ministry of the Environment and the Township of Cumberland, this study was to evaluate (a) the distribution of soil types on the site, (b) quality and quantity of groundwater in the area and (c) the site drainage.

The study area consists of the west half of Lot 23, Concession 11, Township of Cumberland (see Figure 1) and is about 1 km south of Highway 417. It is bounded on the west by the Municipality of Ottawa-Carleton Road 41 (commonly known as Boundary Road). An auto wrecker is located on the south boundary of the study area. The surrounding land uses are agricultural, residential and industrial. One residence is located in the northwest quadrant of the property.

1.1 Study Methodology

All pertinent existing information on the study area was assembled and analyzed. A field reconnaissance of the property was conducted on June 16 and June 17, 1982 by Water and Earth Science personnel. The study involved the location of existing drainage and the drilling of 13 test holes to evaluate the soil types.

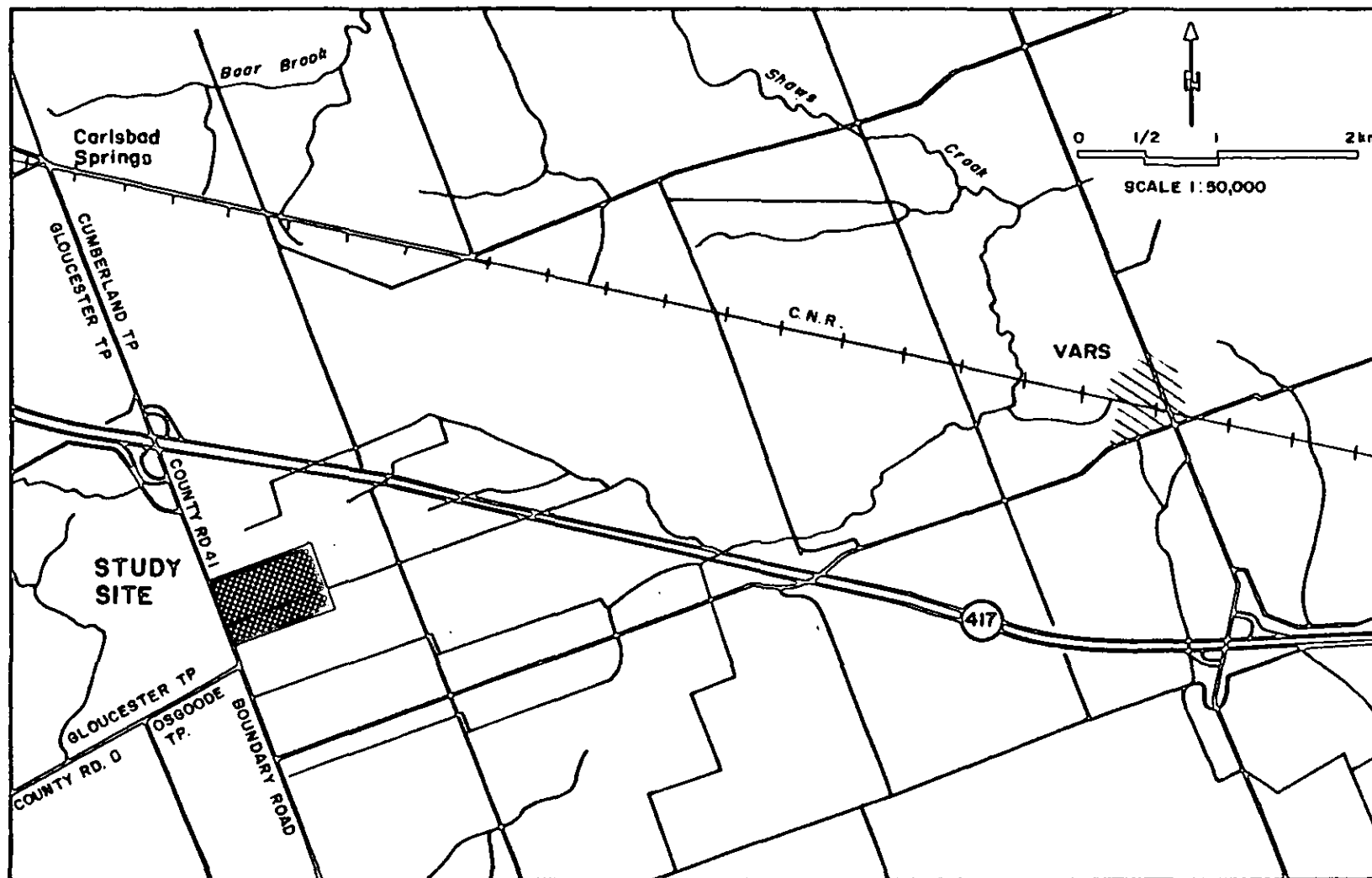


FIGURE 1
LOCATION MAP
MAKOW PROPERTY

2.0 TERRAIN ANALYSIS

2.1 Topography

The property is relatively flat-lying, with a maximum difference in elevation of one metre. The topographic high is located on the north side of the municipal drain nearest the County road (Figure 2). South of the drain, the terrain undulates slightly whereas on the north side, the land has been used for agriculture, and any undulations have been levelled out. There are, however, furrows running in an easterly-westerly direction.

2.2 Geology

The property is underlain by bedrock of the Carlsbad Formation of Ordovician age. Rock is located approximately 35 m below the ground surface and is predominantly composed of grey shale, with some impure, rusty limestone and dolomite layers.

Bedrock is overlain by a thick layer of blue grey, sensitive marine clay. The upper layers of this material are a banded red and green colour due to reworking. The marine clay is overlain by a blanket of silty clay, silt and fine sand. The coarseness of this material increases near the ground surface and its maximum thickness is 157 cm. Lithological descriptions of materials and thicknesses are included on Figure 2 and in Appendix A.

The most recent deposit on the site is a black topsoil layer ranging in thickness from 0-46 cm, composed primarily of organic material and fine sand.

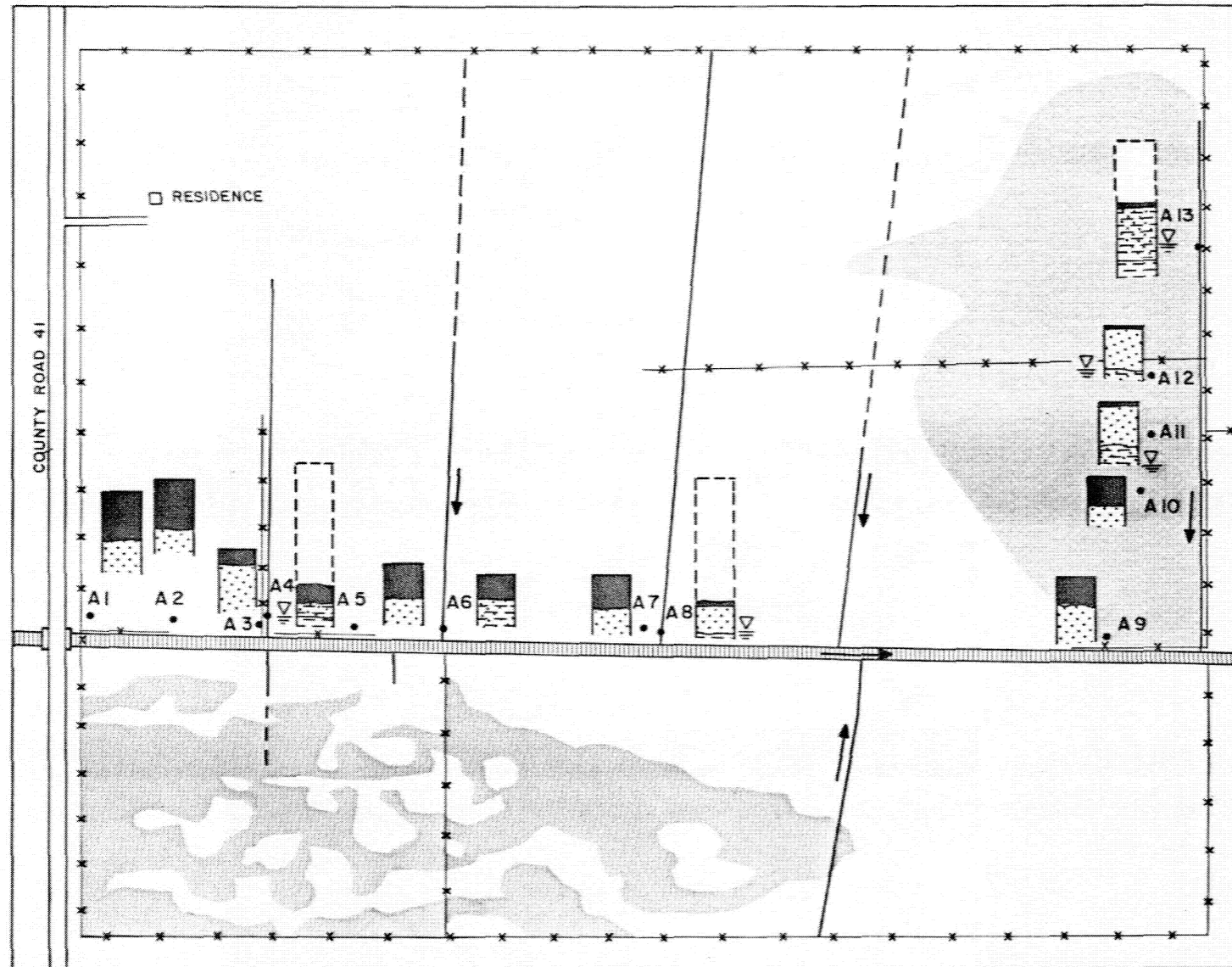


FIGURE 2

TERRAIN MAP

MAKOW PROPERTY
WEST HALF, LOT 23 CONC. II,
TOWNSHIP OF CUMBERLAND

LEGEND

TERRAIN TYPE

- SANDY LOAM TOPSOIL
- LIGHT BROWN TO ORANGE BROWN FINE SAND AND SILT
- BROWN TO ORANGE BROWN CLAY AND SILT
- BROWN MARINE CLAY

VERTICAL SCALE 1:5

SYMBOLS

•A 13 TEST PIT LOCATION AND NUMBER

▽ WATER TABLE

IMPERFECT DRAINAGE

MUNICIPAL DRAIN

SHALLOW DRAIN, CONTINUAL, INTERMITTENT

DRAINAGE DIRECTION

FENCE



SCALE 1: 2,860

3.0 DRAINAGE DESCRIPTION

The property is predominantly well drained. Surface waters collect in the shallow channels which transect the property (see Figure 2) and discharge into the municipal drain which flows to the east and eventually drains into Shaws Creek, near Vars. Figure 2 shows several small areas on the property which are imperfectly drained. When field work was carried out (June 16 and 17, 1982) the ground was firm to spongy; there are vegetation indications that these areas are wet during periods of heavy precipitation and spring thaw. Test pits indicate that the sand layer is much thinner in these areas so that the less permeable clay and water table is closer to the surface.

During the field study, the water table was located approximately 1.5 m below the surface in the well-drained areas of the property, and approximately 0.5 m below the surface in the areas of imperfect drainage.

4.0 WATER SUPPLY POTENTIAL

A search of the M.O.E. published water well records indicated that there are no well logs for any property near the study area. All the wells near the study area are shallow dug wells and were probably constructed in this manner for economic reasons.

In general, wells drilled and completed in the Carlsbad Formation have the following characteristics. Well yields depend on the fracture permeability of the bedrock encountered. According to Sobanski (1969), the specific capacity of wells in this formation ranges from 0.025-0.13 l/s per metre of drawdown (0.1-0.5 IGPM/ft). Probable yields would range between 0.37 and 0.76 l/s (5-10 IGPM). This supply would be sufficient for domestic or light industrial uses such as is proposed for this property. There is very little chance of developing a large water supply (yields greater than 3.8 l/s) in this bedrock type.

If wells are drilled to excessive depths poor quality water may be encountered (ie. high hardness, salt, hydrogen sulphide and iron). Some supervision of well drillers to protect the lot purchaser is recommended to avoid this problem.

As mentioned before, most of the residences in the area obtain their water from dug wells. Although dug wells are an inexpensive source of good quality water, they have the following drawbacks: (1) low available drawdown, i.e. they may go dry during late summer or because of extended use, and (2) they

are easily contaminated, since they are supplied from the surface, and are generally improperly constructed. Dug wells are not recommended for use in an industrial park as a consequence.

Drilled wells should be cased and grouted at least 7 m into the upper clay strata to eliminate the risk of groundwater contamination. In the case where a drilled well encounters unpotable water or use of a dug well is preferred, it is considered acceptable to run industrial servicing on these water supplies and import water for human consumption. This is successfully done in the light industrial park in West Carleton Township where our offices are located.

5.0 RECOMMENDATIONS

It is concluded that the site is ideal for the development of a light industrial park. In general, this type of industry does not require a high volume water source and does not produce large effluent volumes of sewage or industrial liquid wastes. It should be noted that individual services in industrial parks are often not used to the same extent as those in a domestic residence.

Wells should be drilled into the bedrock, and cased and pressure grouted 7 m into the overburden to prevent contamination. A pump test should be conducted to assess the well flow, and determine chemical changes over time after drilling.

Dug wells are not recommended, as they tend to have undependable yields, and are easily contaminated.

Septic systems will have to incorporate raised tile beds, due to the low permeability of the underlying marine clay. The thickness of the coarse, granular material required to complete the tile beds must be determined on a site specific basis. However, these thicknesses will generally be less than one metre. Regulation 374 (M.O.E.) should be followed for specific tile bed system design according to the requirements of the industry to be serviced.

Most of the site is adequately drained at present. Imperfectly drained areas can easily be improved by ditching along lot lines. The existing shallow drains should be enlarged, and cleaned out. The municipal drain should be cleared of bullrushes. The sides of

the drains should be vegetated, since soil erosion is a serious problem in this region.

6.0 CONCLUSIONS

The study area is fairly flat lying, with slight depressions which tend to be imperfectly drained. The property is underlain by the Carlsbad Formation, a shale unit with some limestone and dolomite layers. An aquifer in this formation has potential water yields of up to 0.74 l/s (10 IGPM). However, water obtained from this source may be highly mineralized, and contain concentrations of sulphur, chlorides, iron or hardness above MOE standards. If this is the case, it is recommended that drinking water be imported. Dug wells are not recommended for use at this site.

A large municipal drain transects the property, and it is to this drain that surface runoff eventually drains through shallow drains which have been developed on the site. There are some areas which are imperfectly drained (see Figure 2); field testing showed these areas to have underlying soils of silty clay to clay. The well drained areas tend to have a layer of fine sand overlying these materials. The groundwater table was located at 1.5 m below surface in the well drained areas, and 0.5 m below surface where the land is imperfectly drained.

It is recommended that lot sizes be determined on an individual basis in accordance with the needs of each industry and the tile bed spacing requirements contained in regulation 394. It is felt that a lot size minimum in the 1/2 acre lot range can be justified

on the basis of the favourable terrain conditions on the site. Smaller lot sizes might be considered if the individual industrial usage shows them to be warranted.

Respectfully submitted,

Jennifer Turner

Jennifer Turner, B.Sc.

Derek P. Smith

Derek P. Smith, M.Sc.

7.0 REFERENCES

Geological Survey of Canada (1976) Surficial Material and Terrain Features, Russell; Open File 367, Scale 1:50,000; Surveys and Mapping Branch, Ottawa.

Ministry of the Environment, (1976) Water Well Records for Ontario, Regional Municipality of Ottawa Carleton, 1946-1972, Water Resources Branch, Bulletin 2-16, Toronto.

Sobanski, A.A. (1970) Ground Water Survey for The Regional Municipality of Ottawa-Carleton, The Ontario Water Resources Commission.

Wilson, Alice E., (1946), Geology of the Ottawa-St. Lawrence Lowland, Ontario and Quebec; GSC Memoir 241, Ottawa.

APPENDIX A
Test Hole Logs

APPENDIX A TEST HOLE LOGS

- A1 0-45 cm: black topsoil (mainly organics and fine sand)
46-61 cm: yellow-brown fine sand and silt, dry
- A2 0-46 cm: black topsoil (mainly organics and fine sand)
46-61 cm: yellow-brown fine sand and silt
- A3 0-15 cm: dark brown fine sand, some organics
15-31 cm: light brown fine sand, damp
31-61 cm: brown fine sand, damp
- A4 located in ditch, at 1.2 m below field ground surface
122-137 cm: dark brown topsoil (highly organic, with fine sand), damp
137-152 cm: brown silt and clay, damp
⌘ 152 cm: brown clay, wet
- A5 0-31 cm: black topsoil (mainly organics with fine sand, damp
31-56 cm: brown to orange-brown fine sand and silt, damp
- A6 0-25 cm: dark brown topsoil (organics, silt, fine sand), damp
25-46 cm: orange-brown silt and clay
- A7 0-25 cm: dark-brown topsoil (organics, silt, fine sand)
25-56 cm: light brown to orange-brown fine sand and silt
- A8 located in ditch, 1.2 m below field surface
122-152 cm: light-brown to orange-brown fine sand and silt
⌘ 152 cm: red and green banded clay
- A9 0-25 cm: dark brown sand and silt, wet
25-56 cm: orange-brown fine sand and silt
- A10 0-31 cm: light brown fine sand and silt, damp
31-46 cm: orange-brown sand and silt, very wet
- A11 0-38 cm: light brown to orange brown fine sand and silt, damp
38-46cm: orange brown clay and silt, damp
⌘ 46 cm:
- A12 0-41 cm: orange-brown fine sand and silt, damp
⌘ 41-56 cm: orange-brown clay and silt, wet
- A13 located in ditch
60-117 cm: orange brown silt and clay, damp
⌘ 102 cm:
117 cm: brown clay, wet

APPENDIX E

Historical Land Use Inventory (HLUI)



File Number: D06-03-22-0200

January 18, 2023

Adbul Kader Alhaj
LRL Associates

Sent via email [akader@lrl.ca]

Dear Mr. Kader,

**Re: Information Request
363 Entrepreneur Crescent, 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:

- No information was returned on the Subject Property from Departmental circulation.
- **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/open-transparent-and-accountable-government/access-information-and-protection-privacy/access-information>
- **Sewer Use Program:** The City's Sewer Use Program has found the following information pertaining to the subject property: Insert Circulation Response
- **Ottawa Public Health - Environmental Health:** The Ottawa Public Health – Environmental Health Branch has found the following information pertaining to the subject property: Insert Circulation Response
- **Solid Waste Services:** The subject property is within Insert Distance kilometers of the Insert Facility Name located at Insert Facility Address.

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the [Overview and User Guide](#)."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at <https://ero.ontario.ca/> 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 key 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 HLUI@ottawa.ca.

Sincerely,

Samuel Farkas

Student Planner | Étudiante en Urbanism
Development Review | Examen des projets d'aménagement
City of Ottawa | Ville d'Ottawa
613-580-2424 Ext. 25791
Samuel.farkas@ottawa.ca

Per:

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

MB / AM

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report
3. GeoOttawa HLUI vs Landfill

cc: File no. D06-03-22-0200

HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM
13291	CUMBERLAND CON 10 DUMP	Landfill	1991-WDSI/WMB/MOE; 2004-GWStudy; 2017-CityofOttawa-Landfill	1	1991		
13292	UNNAMED WASTE DISPOSAL SITE	Landfill	1991-WDSI/WMB/MOE; 2017-CityofOttawa-Landfill	1	1991		

HLUI SUMMARY REPORT
AREA FEATURES

ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS

HLUI SUMMARY REPORT
AREA FEATURES

STORAGE_TANK	Shape_Length	Shape_Area
	5357.529881	1652479.979
	4416.78307	1133164.189

HLUI SUMMARY REPORT
AREA FEATURES

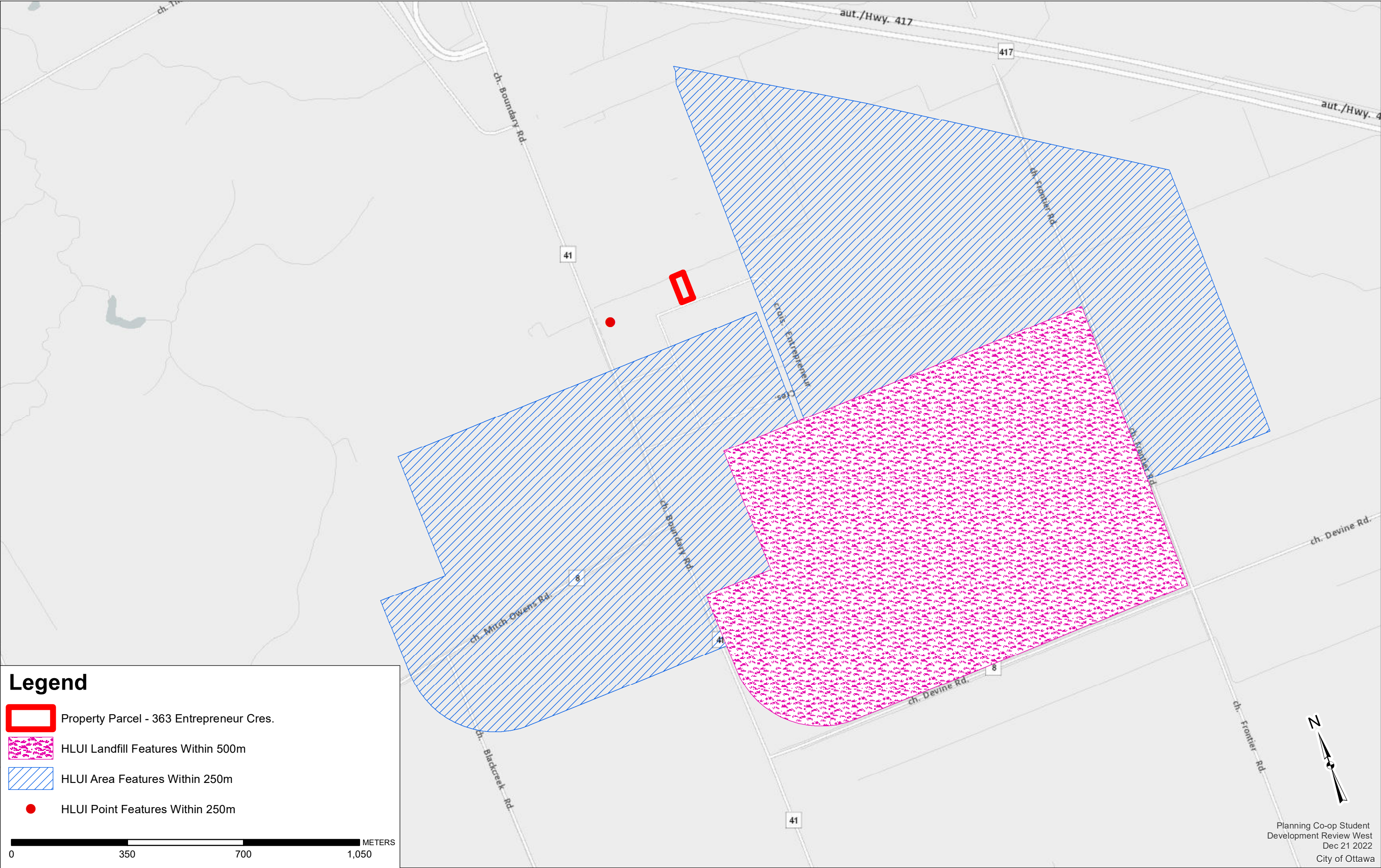
HISTORIC LANDFILL FEATURE	The historic landfills identified within the HLUI are referenced from the City's Old Landfill Management Strategy report (OLMS, 2004). Contact the City's Environmental Remediation Unit (ERU-UAE@ottawa.ca) if you would like more information about the old landfill sites identified in the OLMS report.
OBJECTID	23
ADJACENT_LANDUSE	<null>
GROUNDWATER_FLOW_DIRECTION	<null>
G_GENERATION	<null>
INFORMATION_SOURCE	1991-WDSI/WMB/MOE
UTM_NAD27_E_NOTE	<null>
WATER_SUPPLY	<null>
SITE_NAME	Unnamed Waste Disposal Site
OPERATIONAL_PERIOD	<null>
OVERBURDEN	<null>
ROAD_TYPE	<null>
WASTEDEPTH	<null>
ECOLOGICAL	<null>
DISTANCE_TO_SURFACE_WATER	<null>
WASTETYPE	<null>
ADJACENT_OWNER	<null>
MAGNITUDE	<null>
LOCATION	<null>
ACTIVITYID	6298
DEPTH_TO_BEDROCK	<null>
SITE_STATUS	Unconfirmed
UTM_NAD27_NORTHING	0
UTM_NAD27_EASTING	0
SOIL_COVER	<null>
PARAMETERS	<null>
G_VERSION	0
SERVICE_AREA	<null>
SITE_ACCES	<null>
CONCENTRTN	<null>
METHANE	<null>
ACTIVITY2	<null>
ADJACENT_INDUSTRY	<null>
OWNERCATEGORY	<null>
SITE_IDENTIFICATION	Cu-01
OWNER	<null>
G_NEXT_VERSION	<null>
SITE_ALIAS	<null>
TOPOGRAPHY	<null>
OPERATOR	<null>
FORMER_MUN	CUMBERLAND
PHYSICAL	<null>
ROAD_NAME	<null>
MOE_ID	<null>
OTHERREF	<null>
LANDFILL_1998_ID	__60042Y
UTM_NAD27_N_NOTE	<null>
SIZE_HA	<null>
DEPTH_TO_GROUNDWATER	<null>
PARENT_ID	<null>

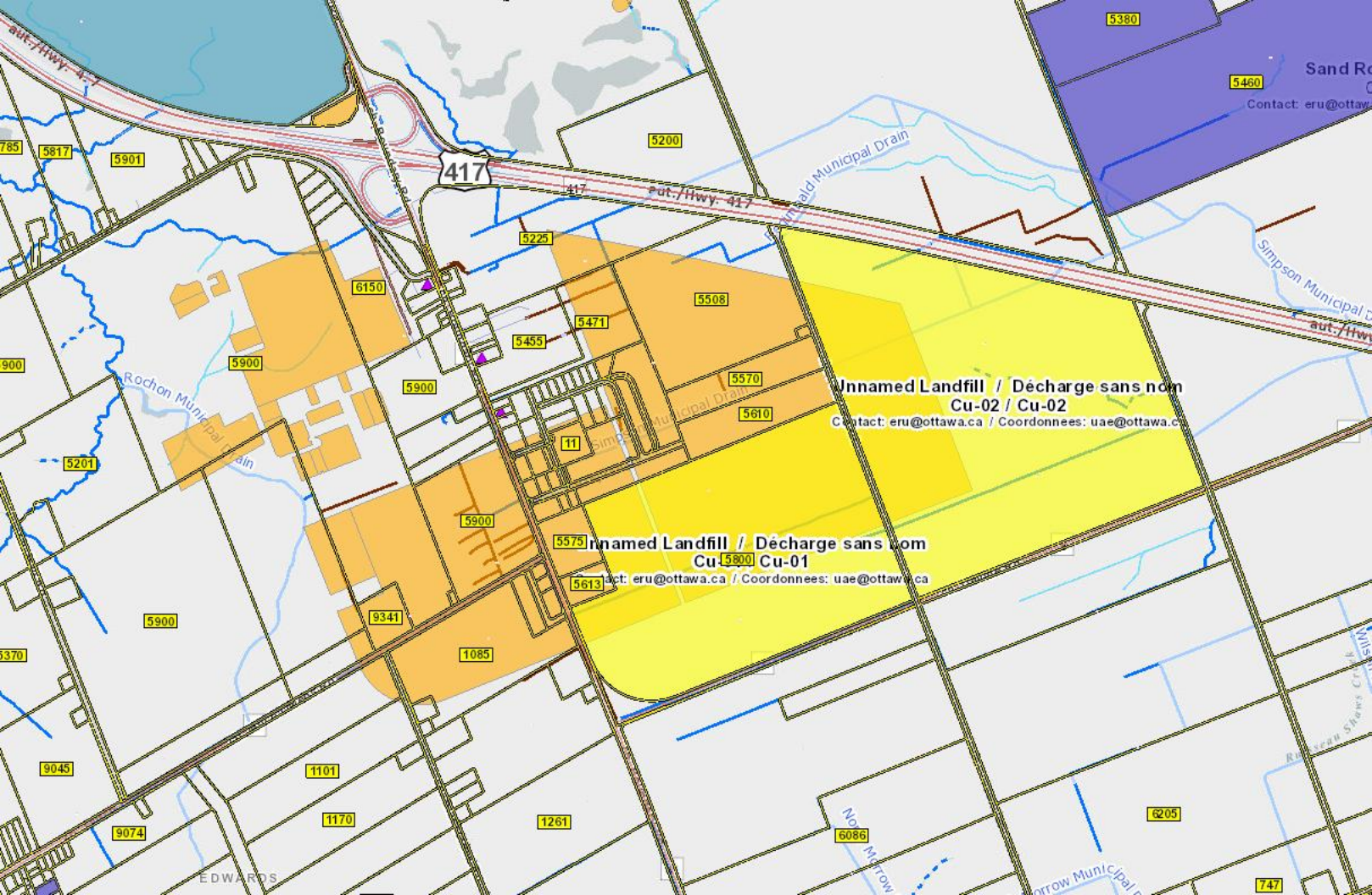
Prepared By: D Kiar

HLUI SUMMARY REPORT
AREA FEATURES

HISTORIC LANDFILL FEATURE	The historic landfills identified within the HLUI are referenced from the City's Old Landfill Management Strategy report (OLMS, 2004). Contact the City's Environmental Remediation Unit (ERU-UAE@ottawa.ca) if you would like more information about the old landfill sites identified in the OLMS report.
ANDERSONSWASTEDISPOSALSITES_ID	<null>
OTHER_INFO	<null>
LOCTN_REF	<null>
SITE_COORD	UTM = 466800E, 5020100N, Map 31G/6. Site #X9019 of closed sites in the MOE inventory (pg135). The years of operation and closure are unknown for this site.
GLOBALID	{A1D9061E-75A9-4F32-8926-10FC2C61C013}
SHAPE	Polygon
Common Name	Unnamed Landfill
Common Name French	Décharge sans nom
Site ID French	Cu-01
Sie Name French	Site d'enfouissement de déchets sans nom
Unique ID	Unnamed Waste Disposal SiteCu-01
SHAPE.AREA	1133164.189
SHAPE.LEN	4416.78307

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP





APPENDIX F

MECP Freedom of Information Response

**Ministry of the Environment,
Conservation and Parks**

Access and Privacy Office

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

**Ministère de l'Environnement, de la
Protection de la nature et des Parcs**

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

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



December 23, 2022

Abdul Kader Alhaj
LRL Engineering
5430 Canotek Road
Ottawa, Ontario K1J 9G2
akader@lrl.ca

Dear Abdul Kader Alhaj:

RE: MECP FOI A-2022-08834, Your Reference 220487.1 – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 363 Entrepreneur Crescent, Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch (EMRB), Environmental Investigations and Enforcement Branch (EIEB), and Safe Drinking Water Branch (SDW) no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Brandy Booker at, Brandy.Booker@ontario.ca.

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn
Manager (A), Access and Privacy Office

APPENDIX G

MECP Water Well Records

Measurements recorded in: ☐ Metric ☒ Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name/Organization	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
	Dustin Wilson		
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
310 Sanctuary Private	Ottawa	ON	K1S 5W1

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
363 Entrepreneur Crescent	Cumberland	23	11
County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Navan	Ontario	
UTM Coordinates Zone Easting	Northings	Municipal Plan and Sublot Number	Other
NAD 83 18 465760	5020936	50R-6694	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
	Clay			0' 86'
	Gravel			86' 92'
Black	Sandstone Shale			92' 154'
Black	Sandstone Shale			154' 160'

Annular Space			Volume Placed (m ³)
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)		
98' 88'	Neat cement		12.48
88' 0'	Bentonite slurry		21.00

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input checked="" type="checkbox"/> Percussion <input type="checkbox"/> Other, specify	<input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Domestic <input type="checkbox"/> Dewatering <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Livestock <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
6 1/4"	Steel	.188	+2' 98'	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
6"	Open Hole		98' 160'	

Construction Record - Screen			Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From To	

Water Details		Hole Diameter	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
154 (m/ft) <input type="checkbox"/> Gas	<input type="checkbox"/> Other, specify	From To	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0' 98'	9 3/4"
(m/ft) <input type="checkbox"/> Gas	<input type="checkbox"/> Other, specify	98' 160'	6"
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft) <input type="checkbox"/> Gas	<input type="checkbox"/> Other, specify		

Well Contractor and Well Technician Information		
Business Name of Well Contractor	Well Contractor's Licence No.	
Air Rock Drilling Co. Ltd.	C7681	
Business Address (Street Number/Name)	Municipality	
6659 Franktown Road	Richmond	
Province	Postal Code	Business E-mail Address
ON	K0A 2Z0	air-rock@sympatico.ca
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	
813882170	Hanna, Jeremy	
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
13632		09 29

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify		Time (min)	Water Level (m/ft)
Not tested		Static Level	Recovery
If pumping discontinued, give reason:		91.2"	103.2"
Pump intake set at (m/ft)		1	87
150		2	78.6
Pumping rate (l/min/GPM)		3	71.1
15		4	63.8
Duration of pumping		5	57.4
1 hrs + 0 min		10	32.8
Final water level end of pumping (m/ft)		15	19.7
103.2"		20	11.3
If flowing give rate (l/min/GPM)		25	9.5
X		30	9.2
Recommended pump depth (m/ft)		40	9.2
150'		50	9.2
Recommended pump rate (l/min/GPM)		60	9.2
10			
Well production (l/min/GPM)			
15			
Disinfected?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Map of Well Location		
Please provide a map below following instructions on the back of this form.		
125ft 100m		
#363		
ENTREPRENEUR		
CRESCENT		
TRADESMAN ROAD		
Comments:		
3/4HP 10 GPM set @ 150 ft		
Well owner's information package delivered	Date Package Delivered	Ministry Use Only
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Y/Y 2023 08 28	Audit No. 2408138
	20230823	Received

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information

Address of Well Location (County/District/Municipality)				Township				Lot				Concession			
OTTAWA - City				Cumberland				2				11			
RR#/Street Number/Name				City/Town/Village				Site/Compartment/Block/Tract etc.							
120 Indcum				CARLSBAD-ON				50R-6420							
GPS Reading		NAD	Zone	Easting	Northing	Unit Make/Model		Mode of Operation:		<input type="checkbox"/> Undifferentiated		<input checked="" type="checkbox"/> Averaged			
		83	18	465723	5020642	Magellan		UTM		<input type="checkbox"/> Differentiated, specify					

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth		Metres
				From	To	
Brown	Play		Soft	0	0.90	
Red	Clay		Soft	0.90	3.63	
Grey	Clay		Soft	3.63	30.30	
Grey	Gravel		Soft	30.30	31.51	
Grey	SHALE		Porous	31.51	32.42	

Hole Diameter			Construction Record				Test of Well Yield					
Depth	Metres	Diameter	Inside diam centimetres	Material	Wall thickness centimetres	Depth		Draw Down		Recovery		
From	To	Centimetres				From	To	Time min	Water Level Metres	Time min	Water Level Metres	
0	7.57	20.32										
			Casing				Pumping test method					
			15.55	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	0.48	0	31.51	Submersible				
				<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				Pump intake set at - (metres) 9.09				
				<input type="checkbox"/> Galvanized				Pumping rate - (litres/min) 58.50				
			Screen					Duration of pumping 1 hrs +00 min				
			15.55	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass				Final water level end of pumping 3.04 metres				
				<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				Recommended pump type. 2 Shallow <input type="checkbox"/> Deep				
				<input type="checkbox"/> Galvanized				Recommended pump depth. 9.09 metres				
			No Casing or Screen					Recommended pump rate. 45.50 (litres/min)				
			15.55	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	Slot No.			If flowing give rate - (litres/min)				
				<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				If pumping discontinued, give reason.				
				<input type="checkbox"/> Galvanized								
			15.55 <input checked="" type="checkbox"/> Open hole					31.51 32.42				

Plugging and Sealing Record				<input checked="" type="checkbox"/> Annular space	<input type="checkbox"/> Abandonment
Depth set at - Metres	From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
	0	7.57	Cement grout	120Ks.	

Method of Construction			
<input type="checkbox"/> Cable Tool	<input checked="" type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	
Water Use			
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other
<input type="checkbox"/> Stock	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning	
Final Status of Well			
<input checked="" type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor	Well Contractor's Licence No.
D&R-WATER-well-Drilling	6006
Business Address (street name, number, city etc.)	
CP 98- St-Albert- on	
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Louis Desnoyers	T-625
Signature of Technician/Contractor	Date Submitted
x Louis Desnoyers	2007 04 26

Location of Well	
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.	
Audit No.	Date Well Completed
Z 71657	2007 04 26
Was the well owner's information package delivered?	Date Delivered
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2007 04 26

Ministry Use Only	
Data Source	Contractor
	6006
Date Received	Date of Inspection
MAY 09 2007	
Remarks	Well Record Number



Ontario

Ministry of the Environment
and Climate Change

Well Tag No.

Tag#: A249297

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☒ Metric ☐ Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
	VSB Carpentry Inc.	N/A	
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
357 Entrepreneur Crescent	Navan	On.	K4B 1T8

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
357 Entrepreneur Crescent	City of Ottawa	23	11
County/District/Municipality	City/Town/Village	Province	Postal Code
Cumberland		Ontario	K4B 1T8
UTM Coordinates Zone	Easting	Northing	Municipal Plan and Sublot Number
NAD 83	1841657775	0209116	50 R-6694 Part 4

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
Brown	clay	Silt, Stone	Hard	0 3.7
Grey	clay	Silt	Soft	3.7 21.3
Grey	gravel	Medium sand	packed	21.3 22.6
Grey	Shale		layered	22.6 28.9

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 12.1	Cement grout	3 m ³

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input checked="" type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
15.55	Steel	.48	6.6	23.1
15.32	Open Hole		23.1	28.9

<input checked="" type="checkbox"/> Water Supply	<input type="checkbox"/> Replacement Well
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Recharge Well
<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Observation and/or Monitoring Hole
<input type="checkbox"/> Alteration (Construction)	<input type="checkbox"/> Abandoned, Insufficient Supply
<input type="checkbox"/> Abandoned, Poor Water Quality	<input type="checkbox"/> Abandoned, other, specify
<input type="checkbox"/> Other, specify	

Construction Record - Screen		
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.

Water Details		Hole Diameter	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
27 (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		From To	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 12.1	24.9
(m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		12.1 28.9	15.32
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify			

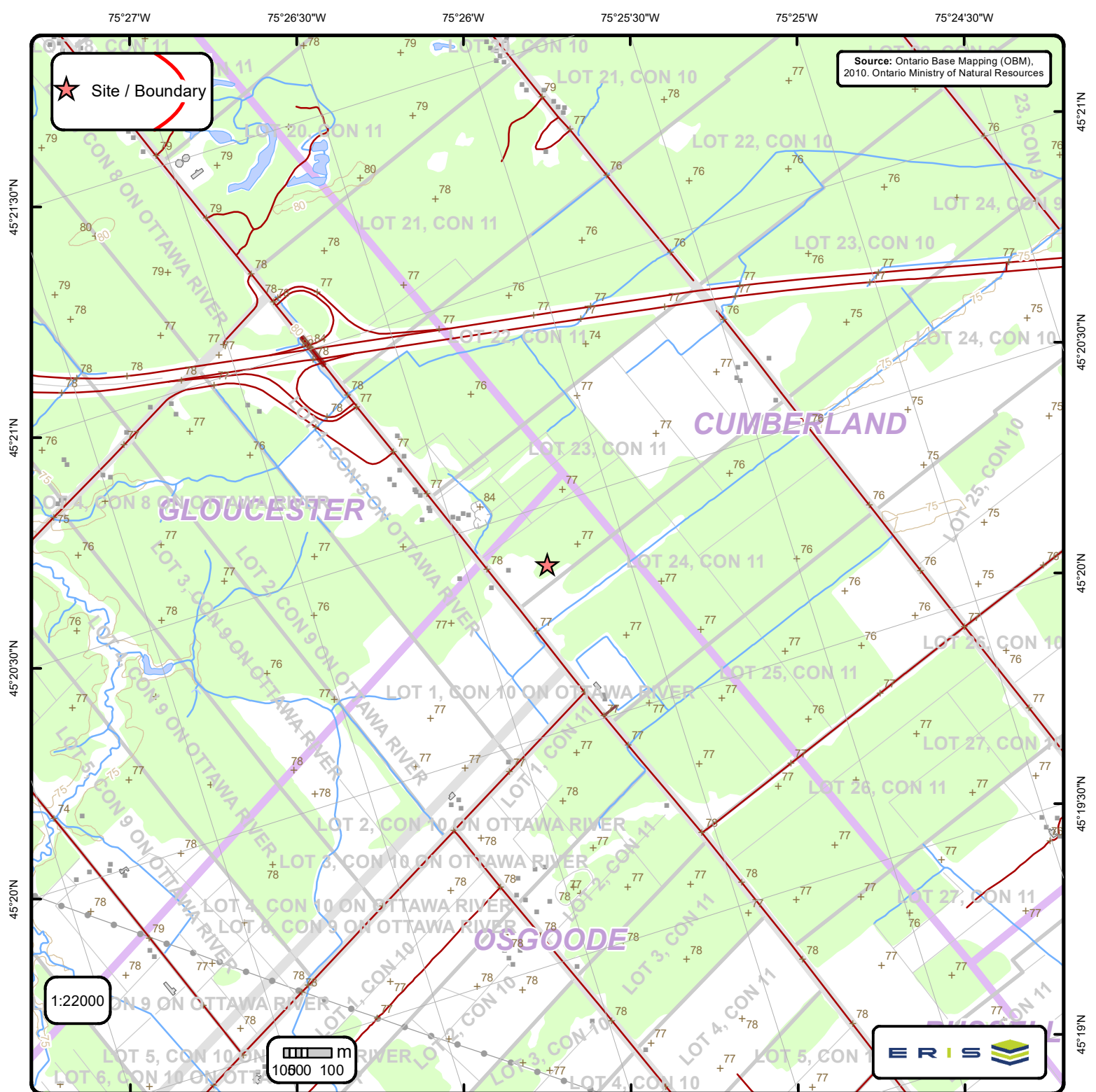
Well Contractor and Well Technician Information			
Business Name of Well Contractor	Well Contractor's Licence No.		
Forrester Drilling Ltd	7417		
Business Address (Street Number/Name)	Municipality		
14245 (Cmc) 10-11	Gysel		
Province	Postal Code	Business E-mail Address	
On.	K0A 1R0	N/A	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
613 987 5291	GENIER, MICHAEL		
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
3493	[Signature]	2018/10/10	

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
<input checked="" type="checkbox"/> Clear and sand free		Time (min)	Water Level (m/ft)
<input type="checkbox"/> Other, specify			
If pumping discontinued, give reason:		Static Level	
Pump intake set at (m/ft)		1 10.49	1 20.79
Pumping rate (l/min / GPM)		2 10.73	2 9.58
Duration of pumping		3 11.15	3 9.27
1 hrs + min		4 11.53	4 19.07
Final water level end of pumping (m/ft)		5 11.71	5 18.50
If flowing give rate (l/min / GPM)		10 13.38	10 16.91
Recommended pump depth (m/ft)		15 14.71	15 14.99
27		20 15.88	20 13.21
Recommended pump rate (l/min / GPM)		25 16.87	25 12.83
15		30 17.77	30 10.99
Well production (l/min / GPM)		40 19.40	40 9.74
20		50 20.65	50 9.69
Disinfected?		60 21.61	60 9.62
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Map of Well Location	
Please provide a map below following instructions on the back.	
Comments:	
Well owner's information package delivered	Date Package Delivered
<input checked="" type="checkbox"/> Yes	2018/10/10
<input type="checkbox"/> No	Date Work Completed
	2018/10/05
Ministry Use Only	
Audit No. 2300222	
OCT 25 2018	
Received	

APPENDIX H

Topographic Mapping



Ontario Base Mapping (OBM) Data

Order No. 22111700190

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

APPENDIX I

Aerial Photographs



LRL

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

PROJECT

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 1976
GEOOTTAWA
(NOT TO SCALE)

CLIENT

ENTREPRENEUR HOLDING CORPORATION

DATE

AUGUST 2024

PROJECT

220487

AP1





LRL

ENGINEERING | INGÉNIERIE

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www.lrl.ca | (613) 842-3434

PROJECT

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 1991
GEOOTTAWA
(NOT TO SCALE)

CLIENT

ENTREPRENEUR HOLDING CORPORATION

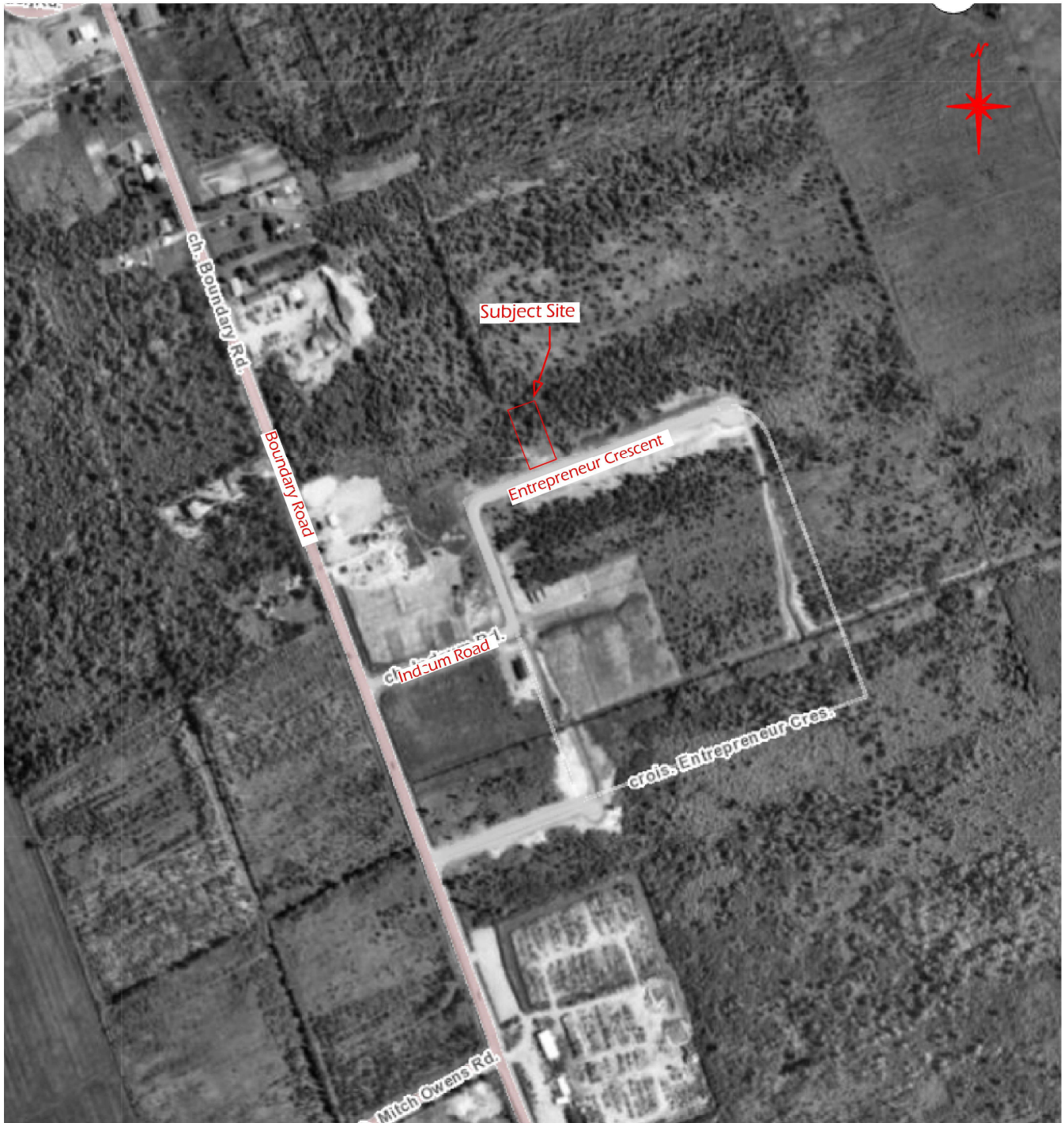
DATE

AUGUST 2024

PROJECT

220487

AP2





LRL

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

PROJECT

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 2005
GEOOTTAWA
(NOT TO SCALE)

CLIENT

ENTREPRENEUR HOLDING CORPORATION

DATE

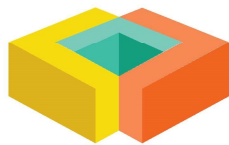
AUGUST 2024

PROJECT

220487

AP3





LRL

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
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PROJECT

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 2014
GEOOTTAWA
(NOT TO SCALE)

CLIENT

ENTREPRENEUR HOLDING CORPORATION

DATE

AUGUST 2024

PROJECT

220487

AP4





LRL

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PROJECT

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
363 ENTREPRENEUR CRESCENT
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 2021
GEOOTTAWA
(NOT TO SCALE)

CLIENT

ENTREPRENEUR HOLDING CORPORATION

DATE

AUGUST 2024

PROJECT

220487

AP5




APPENDIX J

Site Visit Photographs



SITE VISIT PHOTOGRAPHS

Our File Ref.: 220487
Client: Entrepreneur Holding Corporation
Project: Phase One Environmental Site Assessment
Site Location: 363 Entrepreneur Crescent

Photograph No. 1	
Date: 12/13/2022	
Description: From south facing north of the property.	

Photograph No. 2	
Date: 12/13/2022	
Description: From east facing west along the southern perimeter of the property.	

Photograph No. 3

Date: 12/13/2022

Description:

From west facing east
along the southern
perimeter of the
property.



Photograph No. 4

Date: 12/13/2022

Description:

Hoisting equipment on
Site



Photograph No. 5

Date: 12/13/2022

Description:

Hoisting equipment on
Site



Photograph No. 6

Date: 12/13/2022

Description:

Hoisting equipment on
Site



Photograph No. 7

Date: 12/13/2022

Hoisting equipment on
Site



Photograph No. 8

Date: 12/13/2022

Description:

Loading activities on
Site



Photograph No. 9

Date: 11/23/2023

Description:

Re-Visit of subject
Site, from south facing
north of the property.



Photograph No. 10

Date: 11/23/2023

Description:

Re-visit of subject
Site, from east facing
west along the
southern perimeter of
the property.



Photograph No. 11

Date: 11/23/2023

Description:

Re-visit of Site, from
west facing eastern
side of the property.



Photograph No. 12

Date: 11/23/2023

Description:

Re-Visit of subject
Site, general
equipment and
materials observed on
Site.



Photograph No. 13

Date: 11/23/2023

Description:

Re-Visit of subject
Site, general
equipment and
materials observed on
Site.




Photograph No. 14


Date: 11/23/2023

Description:

Re-Visit of subject
Site, general
equipment and
materials observed on
Site.



Photograph No. 15	
Date: 11/23/2023	
Description: Re-Visit of subject Site, general equipment and materials observed on Site.	

Photograph No. 16	
Date: 11/23/2023	
Description: Re-Visit of subject Site, general equipment and materials observed on Site.	



APPENDIX K

Table 2 of Schedule D of O. Reg. 153/04

Ontario Regulation 153/04 – Schedule D
Summary of Potentially Contaminating Activities & Areas of Potential Environmental Concern

Acid and Alkali Manufacturing, Processing and Bulk Storage	Explosives and Firing Range	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
Adhesives and Resins Manufacturing, Processing and Bulk Storage	Fertilizer Manufacturing, Processing and Bulk Storage	Pharmaceutical Manufacturing and Processing
Airstrips and Hangars Operation	Fire Retardant Manufacturing, Processing and Bulk Storage	Plastics (including Fibreglass) Manufacturing and Processing
Antifreeze and De-icing Manufacturing and Bulk Storage	Fire Training	Port Activities, including Operation and Maintenance of Wharves and Docks
Asphalt and Bitumen Manufacturing	Flocculants Manufacturing, Processing and Bulk Storage	Pulp, Paper and Paperboard Manufacturing and Processing
Battery Manufacturing, Recycling and Bulk Storage	Foam and Expanded Foam Manufacturing and Processing	Rail Yards, Tracks and Spurs
Boat Manufacturing	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Rubber Manufacturing and Processing
Chemical Manufacturing, Processing and Bulk Storage	Gasoline and Associated Products Storage in Fixed Tanks	Salt Manufacturing, Processing and Bulk Storage
Coal Gasification	Glass Manufacturing	Salvage Yard, including automobile wrecking
Commercial Autobody Shops	Importation of Fill Material of Unknown Quality	Soap and Detergent Manufacturing, Processing and Bulk Storage
Commercial Trucking and Container Terminals	Ink Manufacturing, Processing and Bulk Storage	Solvent Manufacturing, Processing and Bulk Storage
Concrete, Cement and Lime Manufacturing	Iron and Steel Manufacturing and Processing	Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
Cosmetics Manufacturing, Processing and Bulk Storage	Metal Treatment, Coating, Plating and Finishing	Tannery
Crude Oil Refining, Processing and Bulk Storage	Metal Fabrication	Textile Manufacturing and Processing
Discharge of Brine related to oil and gas production	Mining, Smelting and Refining; Ore Processing; Tailings Storage	Transformer Manufacturing, Processing and Use
Drum and Barrel and Tank Reconditioning and Recycling	Oil Production	Treatment of Sewage equal to or greater than 10,000 litres per day
Dye Manufacturing, Processing and Bulk Storage	Operation of Dry Cleaning Equipment (where chemicals are used)	Vehicles and Associated Parts Manufacturing
Electricity Generation, Transformation and Power Stations	Ordnance Use	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
Electronic and Computer Equipment Manufacturing	Paints Manufacturing, Processing and Bulk Storage	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
Explosives and Ammunition Manufacturing, Production and Bulk Storage	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	