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REPORT ON

**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT  
6173 RENAUD ROAD, ORLEANS WARD  
CITY OF OTTAWA, ONTARIO**

Submitted to:

Mr. George Elias  
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DATE: November 5, 2019

DISTRIBUTION:

4 copies Mr. George Elias  
1 copy Kollaard Associates Inc.

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## 1.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment was carried out by Kollaard Associates Inc. for Mr. George Elias of Ottawa, Ontario. The subject site for this assessment consists of a property with civic address 6173 Renaud Road, in the City of Ottawa, Ontario (see Key Plan, Figure 1). The site occupies a total area of 0.34 hectares (0.86 acres) on the north side of Renaud Road, about 95 metres east of the intersection of Renaud Road and Navan Road. The site is currently occupied by a single family dwelling.

It is understood that it is proposed to remove the existing building and construct two, multi-unit two storey residential buildings at the site.

The purpose of the Phase I Environmental Site Assessment was to identify, if possible, through non-intrusive investigation, consisting of a review of current and historical information and observations of site conditions during a site reconnaissance visit, the existence of any significant, actual or potential environmental liabilities associated with the property. The Phase I Environmental Site Assessment (ESA) has been prepared in general conformity with our interpretation of the requirements of CSAZ768 as well as Ontario Regulation 153/04 (as amended in December 2009 through Ontario Regulation 511/09) for conducting environmental site assessments.

The Phase I ESA was based on site reconnaissance visits carried out on October 16 and November 4, 2019, together with a review of available geological, topographical, historical and environmental information for the site.

There were no current or historical Potentially Contaminating Activities (PCAs) identified at the subject site. No offsite current or historical PCAs were identified within the Phase I ESA study area. There are no resulting Areas of Potential Environmental Concern (APECs) at the subject site from any PCAs in the Phase I Study Area.

It is understood that it is proposed to redevelop the property into a higher density residential development. The historical land use of the property, based on the results of this investigation, has also been for residential use. Therefore, a RSC is not required for the property, based on our understanding of Ontario Regulation 153/04.

The results of this Phase I ESA indicate that there are no significant environmentally related issues identified at the subject site. Based on the results of this study no major issues of environmental concern were identified with respect to subsurface soil and/or groundwater quality and no further investigation is considered warranted at this time. However, the building at the site does have the potential to contain deleterious materials, including lead and other metals as well as asbestos. Prior to demolition and removal of the building, a Designated Substances Survey should be carried out to identify and test building materials to ensure proper handling and disposal measures are carried out.

*This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.*



## **2.0 INTRODUCTION**

### **2.1 PROPERTY INFORMATION**

The subject site for this assessment consists of a property located at civic address 6173 Renaud Road, Orleans Ward, in the City of Ottawa, Ontario (see Key Plan, Figure 1). The site consists of about 0.34 hectares (0.86 acres) of land located on the north side of Renaud Road, about 95 metres east of the intersection of Renaud Road and Navan Road, City of Ottawa, Ontario.

For the purposes of this assessment, project north is considered to be perpendicular to Renaud Road at the site (see Key Plan, Figure 1).

Kollaard Associates Inc. carried out this Phase I Environmental Site Assessment for Mr. George Elias, for the purpose of a development application with the City of Ottawa. It is understood that it is planned to redevelop the site into two multi-unit two storey residential building. As such, there is no change of use or previous use for which a Record of Site Condition could be required under Ontario Regulation 153/04.

The site is currently occupied by a single storey residential dwelling with a rear yard pool, a gazebo and a storage shed. The remaining areas not occupied by the dwelling, pool, gazebo and shed consist of a driveway and grass surfaced yard space.

Surrounding land use is currently mixed residential development. The site is bordered on the north, east and west by residential development and on the south by Renaud Road followed by other residential development.

The local topography is mostly flat lying across the property with a gentle slope from north to south and from east to west. The regional topography slopes to the south towards Mer Bleue located approximately 900 metres south of the subject site.



The legal description for the subject property based on information from the chain of title is as follows:

- Part of Lot 5, Concession 3, Ottawa Front, being Part 5 on Plan 5R-2853, formerly City of Gloucester, City of Ottawa, PIN 04404-0228.

## **2.2 OBJECTIVES**

The primary objective of this Phase I ESA is to document the site conditions on the day of walk-through site reconnaissances and, if possible, to identify former and current operations or practices that may present potential environmental risks. The study is based on current and historical information and observations of site conditions during a site reconnaissance visit conducted on October 16 and November 4, 2019. The general objectives of the Phase I Environmental Site assessment, as outlined in Ontario Regulation 153/04, include the following:

1. To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the phase one property.
2. To determine the need for a Phase II ESA.
3. To provide a basis for carrying out any Phase II ESA, required.
4. To provide adequate preliminary information about environmental conditions in the land or water on, in or under the phase one property for the conduct of a risk assessment following completion of a Phase II ESA.

## **3.0 SCOPE OF WORK**

The scope of the Phase I ESA is sufficient to identify existing and/or potential environmental liabilities which are obvious from visual examination of surface features and from available sources of information. The Phase I Environmental Site Assessment (ESA) has been prepared in general conformity with our interpretation of the requirements of CSAZ768-01 as well as Ontario Regulation 153/04 (as amended in December 2009 through Ontario Regulation 511/09 and subsequent amendments) for conducting environmental site assessments.

This level of work is a method of risk reduction, not risk elimination. No building materials, liquid, gas, or chemical product sampling and/or testing on or in the vicinity of the subject site were carried



out as part of this assessment. This assessment included only a cursory overview of the present neighbouring land uses and does not constitute a complete assessment of the adjacent facilities.

The scope of work carried out for the site comprised the following:

- a review of available current and historical information about the site and surrounding properties within 250 metres of the site
- observations of site conditions during a site reconnaissance visit
- review and evaluate the information from the above noted information sources
- document the findings in a report

## **4.0 RECORDS REVIEW**

### **4.1 GENERAL**

#### **4.1.1 PHASE ONE STUDY AREA DETERMINATION**

Kollaard Associates Inc. considers that a 250 metre study area is sufficient to identify areas of historical and current potential concern on or near the subject site. As part of the preliminary review of historical documents for the site, aerial photographs of the site and surrounding area were reviewed, as well as documentation from the City of Ottawa on landfills and historical industrial sites (Sections 4.2.1 and 4.3.1). Any properties outside of this radius are considered too distant to cause any significant impact to the site.

#### **4.1.2 FIRST DEVELOPED USE DETERMINATION**

The first developed use of the property was determined based on a review of aerial photographs of the site (Section 4.3.1). The earliest air photograph that was reviewed was 1965. At that time, the site was vacant farmland. In the 1976 air photograph, a single family dwelling is indicated at the site. As such, first developed use of the property is indicated to be between 1965 and 1976.



#### **4.1.3 FIRE INSURANCE PLANS**

Due to the lack of industrial and commercial sites in the Phase I Study Area, no request was made for Fire insurance plans.

#### **4.1.4 CHAIN OF TITLE**

The legal description for the property, based on information from the City of Ottawa, is as follows:

- Part of Lot 5, Concession 3, Ottawa Front, being Part 5 on Plan 5R-2853, formerly City of Gloucester, City of Ottawa, PIN 04404-0228.

A chain of title for this site (see Attachment A) was provided by Wentzell Titles Ltd. Based on a review of information obtained from that title search, the property is indicated to have been owned mostly by individuals and one company. The company is listed as Irongate Developments Inc. The current owners are listed as George El-Hage Elias and Joel El-Hage Elias.

#### **4.1.5 ENVIRONMENTAL REPORTS**

No environmental related reports are expected to exist for this site.

#### **4.1.6 PROPERTY USE RECORDS**

The City of Ottawa Website was reviewed for the zoning designation of the subject site. The website indicates that the site is currently zoned DR – Development Reserve Zone according to the City of Ottawa Zoning By-law 2008-250. The purpose of the zoning is to recognize lands intended for future urban development in areas designated as General Urban Area and Developing Communities in the Official Plan, and future village development in areas designated as Village in the Official Plan.

The earliest air photograph that was reviewed was 1965. At that time, the site was vacant and surrounding land appear to be residential or agricultural development.





A search of the environmental databases (Section 4.2.2) indicates no records found for the subject property.

Neither an open or closed waste management facility was identified to be within 500 metres of the subject property.

## **4.2 ENVIRONMENTAL SOURCE INFORMATION**

In order to assess some of the historical conditions at the property, a preliminary review of information from the following sources was conducted:

### Municipal and Provincial Government Sources

- Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario, December 2003, Reference Number 021-2785 by Golder Associates Ltd.
- Mapping and Assessment of Former Industrial Sites – City of Ottawa, Ontario, July 1988, Reference Number H87-053 by Intera Technologies Ltd.
- Online queries with the following provincial and federal databases; Pits and Quarries database, Large and Small Landfills, online MECP well records database, Federal Contaminated Sites Inventory
- Ministry of Environment, Conservation and Parks (MECP), Ottawa, Ontario

### Environmental Databases

- Ecolog ERIS – Environmental Risk Information Services Standard Report

### **4.2.1 MUNICIPAL AND PROVINCIAL GOVERNMENT SOURCES**

#### City of Ottawa

A review of a report entitled Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario, December 2003, Reference Number 021-2785 by Golder Associates Ltd. and Mapping and Assessment of Former Industrial Sites – City of Ottawa, Ontario, July 1988, Reference Number H87-053 by Intera Technologies Ltd. indicates there are no old landfill sites within greater than 500 metres of the subject site.



### Historical Land Use Inventory

The City of Ottawa was contacted to conduct a search of all environmental databases, including Historical Land Use Inventory (HLUI) and any information pertaining to the environmental condition of the property and adjoining areas including, but not limited to, past environmental reports, orders, violations of environmental statutes, regulations or by-laws, certificates, approvals, permits and any other environmental information.

A response was received on November 18, 2019 from the City of Ottawa (see Attachment D). A review of the response indicated there are no activities associated with the Subject property and one activity associated with properties located within 250 metres of the Subject property. The activity within 250 metres of the subject property identified an interior and finishing work business located at 6203 Fourth Line Road (now Renaud Road). The Planning, Infrastructure and Economic Development Department identified an environmental record on file pertaining to either the subject property or adjacent to the subject properties. Based on further discussion with the Department, it was indicated that the environmental record pertained to a geotechnical report for a neighbouring site and not the subject site.

### Ministry of the Environment, Conservation and Parks

A formal request was made to the MECP office in Ottawa, Ontario to determine if the Ministry has maintained a file with respect to the subject property. Specifically, the MECP was asked to respond (in writing) with information concerning any historical or existing incidents at or in the vicinity of the subject site. At the time of the preparation of this report, a response from the MECP had not been received. However, if any relevant environmental information about the site is provided, an addendum letter summarizing the new information will be provided at that time (Attachment G).

### Pits and Quarries

Based on a review of the provincial online database, there are no active pits or quarries with the Phase I Study Area (i.e. 250 metres).

### Large and Small Landfills

Based on a review of the provincial online databases for large and small landfill sites, there are no landfill sites (open or closed) within at least one kilometre of the subject site.



### Online MECP Well Records

Nine drinking water wells were identified within 250 metres of the subject site. The well records indicate limestone bedrock was encountered at between 29.5 to 48 metres below the existing ground surface. The well records indicate the wells were constructed between 1960 and 1974.

One borehole was identified within 250 metres of the site. The borehole was indicated to be abandoned in 2010. It is indicated that the borehole was placed for geotechnical purposes.

### Federal Contaminated Sites Inventory

Based on a review of the online database for federal contaminated sites, there are no sites (open or closed) within at least 500 metres of the subject site.

## **4.2.2 ENVIRONMENTAL DATABASES**

### **ECOLOG ERIS – Environmental Risk Information Services Standard Report**

A review of information provided by Ecolog ERIS – Environmental Risk Information Services (see Attachment E) was carried out as part of this Phase I ESA. Based on that review, one record was found in the databases searched for the project property. The record indicated the following for the site:

In the TSSA Pipeline Incidents database, a natural gas pipeline was struck at the site in 2011 during an excavation.

The following were identified in the report for properties within 250 metres of the subject site with some environmental significance.

In the TSSA Historic Incidents (HINC), TSSA Incidents (INC), TSSA Pipeline Incidents (PINC), List of TSSA Expired Facilities (EXP), Fuel Storage Tank (FST) and Fuel Storage Tank - Historic (FSTH), Private and Retail Fuel Storage Tanks (PRT), Retail Fuel Storage Tanks (RST) Summaries, the following sites were identified:



- 700 Morningstar Way, Ottawa - a natural gas pipe strike was reported on June 21, 2016, about 86 metres northwest of the site.
- 6219 Renaud Road, Ottawa - a natural gas pipe strike was reported on May 17, 2012, about 184 metres northeast of the site.
- 2777 Page Road, Orleans - a natural gas pipe strike was reported on September 25, 2006, about 246 metres west northwest of the site.
- 6126 Renaud Road, Gloucester - a natural gas pipe strike was reported on January 11, 2007, about 237 metres southwest of the site.
- 278 Rolling Meadows Crescent - a natural gas pipe strike was reported on January 1, 2016, about 226 metres south southeast of the site.

A total of three spills have been reported in the Phase I Study Area in the Ontario Spills database. These spills and others reported in the database were indicated to be minor and localized. Kollaard Associates considers that none of the spills represent APECs to the subject site. Natural gas strikes are unlikely to cause soil or groundwater contamination.

No other significant environmental concerns are listed in the Environmental Risk Information Services Standard Report. As such, Kollaard Associates considers that there are no APECs at the subject site.

### 4.3 PHYSICAL SETTING SOURCES

#### 4.3.1 AERIAL PHOTOGRAPHS

A review of air photographs of the site for the years 1965, 1976, 1991, 2005, 2008, 2011 and 2017 was carried out as part of this Phase I ESA (Attachment C). The aerial photographs were obtained from the City of Ottawa website. The following table is a summary of the air photograph review:

<b>Date</b>	<b>Observations</b>
1965	The site was observed to consist of vacant farmland. Single family dwellings and farms were observed to exist to the west, east and south of Renaud Road.
1976	A single family dwelling was observed to have been constructed at the site. Other residential development has occurred east and west of the site. A farm remains on the south side of Renaud Road. No other significant



	changes are evident on the subject site or adjacent properties.
1991	A pool has been added to the north side of the dwelling along with a small shed. A new single family dwelling has been constructed to the east of the site. No other significant changes are evident on the subject site or adjacent properties.
2005	No significant changes are evident on the subject site or adjacent properties.
2008	All of the trees have been cleared north of the site. The site appears to be under construction as several fill piles and heavy equipment are observed in the air photograph. No significant changes are evident on the subject site or adjacent properties.
2011	No significant changes are evident on the subject site. Some dwelling construction has occurred in the subdivision constructed north of the subject site. No other significant changes are evident on the adjacent properties.
2017	No significant changes are evident on the subject site. New single family dwellings have been constructed northwest and north of the site. A new residential development has been constructed southeast of the site, south of Renaud Road in the area of the former farm.

#### 4.3.2 TOPOGRAPHY, HYDROLOGY AND GEOLOGY

##### Topography and Hydrology

The ground surface across the site and surrounding area is generally flat lying. There is a slight slope from south to north and from east to west across the site. Surface drainage is largely controlled by a catch basins located near the southwest corner of the site.

The regional topography slopes to the south towards Mer Bleue located approximately 900 metres south of the subject site (Attachment B).

##### Surficial and Bedrock Geology

Based on a review of the surficial geology map for the site area, it is expected that the site is underlain by Deltaic and Estuarine deposits of medium to fine grained sand. The surficial mapping also identified a landslide area showing location of headscarp and general trend of slump ridges. The mapping indicates the ridges generally consist of clay with overlying or admixed sand. Bedrock geology maps indicate that the bedrock underlying the site consists of limestone with some shaly partings of the Ottawa Formation.

Based on a review of overburden thickness mapping for the site area, the overburden is estimated to be between about 36 to 48.5 metres in thickness above bedrock.



### **4.3.3 FILL MATERIALS**

Based on a review of the aerial photographs and site reconnaissance visit, it is expected that some fill materials were used in constructing the driveway and septic system at the site.

### **4.3.4 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE**

There are no surface water features located on or within the vicinity of the subject site. Based on a review of the City of Ottawa website information, there are no areas zoned Environmental Protection within about 250 metres of the subject site. That zoning applies to Significant Wetlands, natural environment areas and Urban Natural Features.

A Ministry of Natural Resources mapping for ANSIs indicated there are no ANSIs identified within 250 metres of the site (Date Source: ws.gisdynamic.lrc.gov.on.ca).

### **4.3.5 WELL RECORDS**

A search on The Ministry of the Environment, Conservation and Parks website for Water Well Record Mapping was completed as part of this assessment. There were 10 wells identified within 250 metres of the site. Some of the wells were potable drinking water wells and some were indicated to be for geotechnical purposes for monitoring groundwater. The potable drinking water wells were identified to be about 36 to 48.5 metres in depth, dating from about 1960 to 1974.

## **5.0 INTERVIEW**

Based on a discussion with the owner of the site, Mr. George Elias, it is understood that the dwelling is used as a rental house.



## **6.0 SITE RECONNAISSANCE**

### **6.1 GENERAL REQUIREMENTS**

On October 16 and November 4, 2019, walk-through site reconnaissances were conducted at the subject property by a member of our engineering staff. Present at the site on November 4, 2019 were owner Mr. George Elias. The uses of the site and adjacent properties within the Phase I ESA Study Area were assessed. Observations of adjacent properties were limited to views from the subject property and from publicly accessible areas.

The attached Key Plan, Figure 1 and air photographs show the relative location of the subject site with respect to the surrounding land and the existing roadway network.

Site photographs are provided (Attachment F).

### **6.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY**

#### **6.2.1 SITE DESCRIPTION**

The following was observed:

- The site is currently occupied by a single storey, single family dwelling with basement, a paved driveway, a gazebo, a storage shed, an inground pool and yard space.
- The dwelling has a concrete poured foundation and is clad in brick. It is understood that the building was constructed between 1965-1976.
- Areas not occupied by the dwelling or driveway are grass surfaced.

In general, surface drainage across the site slopes slightly from north to south towards Renaud Road and from east to west toward a side yard swale and catchbasin located at the southwest corner of the site.

The attached Key Plan, Figure 1 and air photographs show the relative location of the subject site with respect to the surrounding land and the existing roadway network.

No gas stations exists within 250 metres of the subject site.



## **6.2.2 SITE INFRASTRUCTURE**

The following observations of the site were made:

### Electricity

Currently, the dwelling is serviced by overhead Hydro Ottawa. Overhead wiring was observed along Renaud Road.

### Heating and Cooling

The dwelling at the site is serviced by natural gas.

There were no signs of fill pipes around the exterior of the foundation. No evidence of an above ground fuel oil storage tank was observed within the basement of the dwelling. No fuel oil odours were noted at the time of the site visit. The current owner indicated that the dwelling was serviced by natural gas when it was purchased in 1989.

A central air conditioning unit was observed along the south side of the dwelling at the site.

### Water Supply

A municipal water supply system is located within Renaud Road and services the area. Fire hydrants were observed along Renaud Road.

### Wastewater and Sewage Disposal

The dwelling is serviced by sanitary and storm sewers located within Renaud Road.

### Sumps, Pits and Floor Drains

No floor drains, sumps or pits were observed within the basement of the dwelling at the site. However, it is possible that a sump pit connected to the storm and/or sanitary sewers exists within the dwelling.

## **6.2.3 BUILDING DESCRIPTION**

The site is currently occupied by a single storey dwelling. Building construction is described as wooden framed, poured concrete foundation with brick cladding.





#### **6.2.4 POTENTIALLY CONTAMINATING ACTIVITY**

The historical use of the site has been for residential purposes. Based on information provided, there are no current or historical activities at the subject site that could be considered “Potentially Contaminating Activities”, as identified in Table 2 of Schedule D of O. Reg. 153/04.

No records for waste generation or handling or Scott’s Manufacturing directory and other database search requests were found for the subject site (Section 4.2.2). According to HLUI, no activities were identified at the site.

#### **6.2.5 MATERIALS HANDLING AND STORAGE**

##### General Storage and Debris

At the time of the site reconnaissance, solid waste storage was not observed or expected at the site.

##### Solid Waste

The area is served by City of Ottawa municipal waste collection on a weekly basis.

##### Hazardous Materials

No storage of hazardous materials was observed or is expected on the subject site.

#### **6.2.6 DESIGNATED AND REGULATED SUBSTANCES**

##### Polychlorinated Biphenyls (PCBs)

The use of PCBs in electrical equipment such as transformers, capacitors, fluorescent light ballasts, etc. was common up to about 1980. The Federal Chlorobiphenyls Regulation, SOR/91-152, prohibits the use of PCBs in the aforementioned electrical equipment installed after July 1, 1980. It is not a requirement to remove materials containing PCBs. However, any handling or removal of PCB containing equipment should be carried out in accordance with Ontario Regulation 362, PCB Waste Management under the Environmental Protection Act of Ontario, R.S.O 1990.



Older fluorescent lighting, if present, could contain PCBs within the light ballasts. Should any removal of lighting and electrical equipment which may contain PCBs be removed from the buildings during future renovations or demolition, it should first be identified through a designated substances and hazardous materials survey (DSS) whether special handling may be required.

Based on the age of the building at the site, there is a possibility that PCB containing equipment may exist within the building at the site.

#### Suspect Asbestos Containing Materials (ACM)

The common use of friable (breakable by hand) ACM in construction decreased in the mid 1970s. Buildings constructed prior to about 1985 may contain some ACM. Friable asbestos (friable is defined as a material that can be crumpled, powdered or pulverized by hand pressure) was widely used in sprayed fireproofing until 1973, and in decorative or finishing plasters, and thermal systems insulation until the early 1980's. Examples where ACM can exist include floor, wall or ceiling tiles, heating/cooling pipes, pipe gaskets, roofing materials and insulation/non-combustible materials. The application of friable asbestos was banned by Ontario Regulation 654/85, which came into effect March 1985. On November 1, 2005, this regulation was most recently updated and changed to Ontario Regulation 278/05.

Under Ontario Regulations, it is not a requirement to remove asbestos from a building unless it is damaged or is likely to be disturbed during renovations or demolition work etc. Applicable regulations define "asbestos-containing material" as material that contains 0.5 per cent or more asbestos by dry weight. If asbestos is to be removed, it should be carried out in accordance with the procedures outlined in Ontario Regulation 837, R.R.O. 1990 and Ontario Regulation 278/05.

Based on the age of the building at the site, there is a potential for ACMs to be contained within the building materials. Prior to any future demolition, it is recommended that a Designated Substances Survey (DSS) be carried out to identify and test building materials to ensure proper handling and disposal measures are carried out.



### Ozone- Depleting Substances (ODS)

Certain chemicals, recognized as ozone- depleting substances (ODS), break down in the stratosphere and release chlorine or bromine, which in turn destroy the stratospheric ozone layer. Most of these substances are also greenhouse gases. Ozone- depleting substances are used as foam blowing agents, solvents, fire extinguishers, and refrigerants for air conditioning and refrigeration applications. Under the Canadian Environmental Protection Act, 1999, Environment Canada administers the Ozone- Depleting Substances Regulations, 1998 and its subsequent amendments to reduce the use of these and other ODS. According to Environment Canada's website, the target established by these regulations specifies a one hundred percent reduction in the use of HCFCs by the year 2030. As of January 1, 2010, no new manufacture or import of HCFC (R-22) containing equipment was allowed in Canada.

A central air conditioning unit was observed along the south side of the dwelling at the site.

### Lead

Lead is commonly associated with old pipes, pipe solder, and lead paint. In 1976, Canadian Regulations limited the amount of lead in interior paint to 0.5 percent by weight. Although paints containing lead were banned from uses on exterior or interior surfaces of buildings, furniture or household products in the 1970s, various commercial paints (e.g., road paint) are still known to contain lead.

Based on the age of the building at the site, there is a potential for lead to be present within the building materials.

### Urea Formaldehyde Foam Insulation (UFFI)

Urea Formaldehyde Foam Insulation is composed of a mixture of urea-formaldehyde resin, a foaming agent, and compressed air. It was commonly injected in exterior wood frame and masonry walls in order to insulate difficult to reach cavities until its ban in Canada in December 1980. The majority of UFFI was installed in new and existing construction in Canada between 1975 and 1978 as part of the Canadian Home Insulation Program.



Due to the age of the building at the site, there is a potential for UFFI to be present. A Designated Substances Survey should be carried out prior to any renovations or demolition to ensure proper handling/disposal of any building materials that contain hazardous materials.

### **6.2.7 ABOVE AND UNDERGROUND STORAGE TANKS**

No above ground fuel storage tanks were observed within the basement of the dwelling at the site. No staining or odours were detected within the basement. Based on a review of the Ecolog ERIS report for the site and site area, no reports of any spills were documented for the site. The site was formerly service with a septic system which includes an underground concrete storage tank. The dwelling is currently serviced by City of Ottawa sanitary located within Renaud Road. Although the septic system was disconnected from the dwelling, the septic system which includes an underground concrete tank, is still located at the site.

### **6.2.8 ADJACENT PROPERTIES**

For the approximate locations of the following properties, see Attachment E, Map Key and Overview.

At the time of the site visit, adjacent properties were observed from publicly accessible areas to determine whether any activities on those properties could pose a concern for the subject site.

This site is located within an area of mixed residential development. Immediate neighbouring properties consist of residential development.

The site is bordered on the north by Trailsedge Way followed by a residential development, on the east and west by single family dwellings, and on the south by Renaud Road followed by higher density residential development.

No hydrocarbon spills were reported to have occurred within 250 metres of the subject site.



No PCAs were identified on the adjacent properties.

### **6.2.9 Enhanced Investigation Property Observations**

Part VI of O.Reg. 511/09 defines an Enhanced Investigation Property as (i) a property used, or has ever been used, in whole or part, for an industrial purpose, or (ii) a commercial property used as a garage, a bulk liquid dispensing facility, including a gasoline outlet or for the operation of dry cleaning equipment.

Based on the records review and site reconnaissance the site was not classified as an Enhanced Investigation Property.

## **6.3 WRITTEN DESCRIPTION OF INVESTIGATION**

The Phase I ESA presented herein is based on information that was obtained from a records review (Section 4.0), interviews (Section 5.0) and site reconnaissance (Section 6.0). The details of the information obtained from each of these sources are provided in the relevant sections of this report. Based on the information obtained, Kollaard Associates has not identified any current and/or historical potential sources of contamination (PCAs) with no resulting areas of potential environmental concern (APEC) at the site, which are described in Section 7.0.

## **7.0 REVIEW AND EVALUATION OF INFORMATION**

### **7.1 CURRENT AND PAST USES**

Based on a review of historical aerial photographs, historical maps, and other records review, the site was first developed sometime between 1965 and 1976. Since that time, the site has remained residential. The site is currently occupied by a single family dwelling with a gazebo, an underground pool, a storage shed and a driveway. The remaining areas not occupied by the dwelling, gazebo, underground pool or storage shed or driveway are grass surfaced yard space. The side and rear property boundaries are identified by chain link and wooden fences.



A description of current and past uses of the Phase I ESA property to its first developed use is provided below.

<b>Year</b>	<b>Owner</b>	<b>Property Use</b>
1803 -2014	Various individuals	Agricultural followed by Residential
2014 - 2016	Irongate Developments	Residential
2016 - Current	George El-Hoge Elias and Joel El-Hoge Elias	Residential

## **7.2 POTENTIALLY CONTAMINATING ACTIVITY**

As per Ontario Regulation 153/04, a Potential Contaminating Activity (PCA) is defined as one of fifty-nine (59) activities set out in Table 2 of Schedule D. From that list, no PCAs were identified for the subject site.

The historical use of the site has been for residential purposes.

Based on information provided, there are no current or historical activities that have been identified within 250 metres that could be considered “Potentially Contaminating Activities”, as identified in Table 2 of Schedule D of O. Reg. 153/04.

No records for waste generation or handling or Scott’s Manufacturing directory and other database search requests were found for the subject site (Section 4.2.2).

## **7.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN**

There are no current or historical activities that have been identified within 250 metres of the subject site that could be considered Potentially Contaminating Activities within the Phase One Study Area (see Conceptual Site Model, Figure 2). There were no PCAs on the subject property. Therefore there are no APECs on the subject site.



## 7.4 PHASE ONE CONCEPTUAL SITE MODEL

The Phase I ESA Conceptual Model provided as Figure 2 identifies the PCAs (identified in Sections 7.2 and 7.3, if applicable) at the site and within the Phase I Study Area (250 metres) as well as surface features, such as buildings, roads and property uses for adjacent properties. The Phase I study area and all of the activities and historical property uses are described within maps provided.

The following describes the Phase One ESA Conceptual Site Model (CSM) for the Site based on the information obtained and reviewed as part of this Phase I ESA:

- The subject site for this assessment consists of one property with civic address 6173 Renaud Road, in the City of Ottawa, Ontario.
- The site consists of an area of about 0.35 hectares (0.86 acres) of land located on the north side of Renaud Road, about 95 metres east of the intersection of Renaud Road and Navan Road, City of Ottawa, Ontario.
- The site is currently occupied by a single family dwelling constructed sometime between about 1965 to 1976.
- According to the Ecolog ERIS report, there are no water wells present on the site. Well Records for area wells date back to 1960-1974.
- The site and surrounding area is currently serviced with municipal water supply.
- There are no watercourses within 250 metres of the subject site.
- No areas of natural and scientific interest (ANSI) are known to be located on the site or in the Phase I ESA Study Area.
- The surrounding properties are comprised of residential development.

In order to determine which potentially contaminating activity within the Phase I study area that may have contributed to an APEC at the subject site, the following were considered.

Site and area topography and surface water drainage: The ground surface across the site and surrounding area is generally flat lying. There is a slight slope from north to south and from east to west across the site. Surface drainage is largely controlled by a catch basins located along the west property boundary and within Renaud Road located south of the site.



Overhead hydro was observed to service the dwelling. The site also includes a gazebo, an inground pool and storage shed and a driveway. In areas not occupied by the buildings or the driveway, the remaining areas are grass surfaced.

Hydrogeology/Surficial and Bedrock Geology: Based on a review of the surficial geology map for the site area, it is expected that the site is underlain by Deltaic and Estuarine deposits of medium to fine grained sand. The surficial mapping also identified a landslide area showing location of headscarp and general trend of slump ridges. The mapping indicates the ridges generally consist of clay with overlying or admixed sand. Bedrock geology maps indicate that the bedrock underlying the site consists of limestone with some shaly partings of the Ottawa Formation.

Based on a review of overburden thickness mapping for the site area, the overburden is estimated to be between about 36 to 48.5 metres in thickness above bedrock.

Contaminant distribution, transport and underground utilities: The Phase I study area is also controlled by municipal storm and sanitary sewers. Lateral gradients in clay soils are relatively slow and contamination would tend to migrate downward until saturated conditions are encountered. Once saturated conditions are encountered and depending on contaminant mobility, solubility, volatility, etc. the contaminants could be expected to dissolve into the groundwater and migrate laterally in the direction of groundwater flow. In this case, the topographical information indicates that the groundwater flow gradient is to the south towards the Mer Bleue located approximately 900 metres south of the subject site.

The underground utilities pertaining to water and sewer enter the site building on the south side. Hydro and Bell services are overhead. The depth to groundwater is unknown. However, the ground surface naturally slopes from north to south towards Renaud Road and east to west towards a side yard swale and catch basin located at the southwest corner of the site.

Uncertainty: The uncertainties associated with the conceptual model include those associated with a limited documentation for the subject site and adjacent sites. There were no material deviations to the Phase I 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 I Conceptual Site Model or the findings of this Phase I ESA.





## **8.0 CONCLUSION**

### **8.1 PHASE II ESA REQUIREMENT FOR RSC FILING**

The results of this Phase I ESA suggest that a Phase II ESA is not required at this time.

It is understood that the proposed development of the site is to be higher density residential development. The historical use of the property has been residential since between 1965 to 1976. Given that the Phase I property is currently used as a single family dwelling and is to be redeveloped with a higher density residential building, there will be no change in the land use from less sensitive to more sensitive. Therefore, an RSC is not required for the property, based on our understanding of Ontario Regulation 153/04.

### **8.2 SIGNATURES**

The results of this Phase I ESA should in no way be construed as a warranty that the subject property is free from any and all contaminants other than those noted in this report, nor that all compliance issues have been addressed.

This report was prepared for the exclusive use of Mr. George Elias and is based on data and information collected during the Phase I ESA of the property conducted by Kollaard Associates Inc. This report may not be relied upon by any other person or entity without the express written consent of Mr. George Elias and Kollaard Associates Inc. In evaluating this site, Kollaard Associates Inc. has relied in good faith on information provided by others. The assessment of environmental conditions and possible site hazards presented has been made using available technical data collected and provided by others. We accept no responsibility for any deficiencies, or inaccuracies in this report as a result of omission, misinterpretations, or fraudulent acts of others.

The conclusions provided herein represent the best judgement of Kollaard Associates Inc. based on current environmental standards. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities. If new information is discovered during future work, including excavations, borings or other studies, Kollaard Associates Inc. should be requested to re-evaluate the conclusions presented in this report and provide amendments as required.



We trust that this report is sufficient for your present requirements. If you have any questions concerning this report, please do not hesitate to contact our office.

Yours truly,

Kollaard Associates Inc.

---

Dean Tataryn, B.E.S., EP.



Colleen Vermeersch, P. Eng.



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## 9.0 REFERENCES

*City of Ottawa geoMaps*, air photographs for the years 1965, 1976, 1991, 2005, 2008, 2011 and 2017.

*Old Landfill Management Strategy Phase 1 – Identification of Sites*, City of Ottawa, Ontario, December 2003, Reference Number 021-2785 by Golder Associates Ltd.

*Mapping and Assessment of Former Industrial Sites* – City of Ottawa, Ontario, July 1988, Reference Number H87-053 by Intera Technologies Ltd.

*Topographic Map: NRCan Topographic Maps*, Ottawa, Ontario, 31 G/5, Edition 11, published 1998, current as of 1994, scale 1:50,000.

*Surficial Geology Map*: Geological Survey of Canada, Surficial Geology, Ottawa, Ontario, Map 1506A, published 1982, scale 1:50,000.

*Bedrock Geology Map*: Geological Survey of Canada, Generalized Bedrock Geology, Ottawa-Hull, Ontario and Quebec, Map 1508A, published 1979, scale 1:125,000.

*Ecolog Eris Ltd. Standard Report*, dated October 21, 2019, various federal, provincial and private database records for 250 metres study area.



## **10.0 QUALIFICATIONS OF THE ASSESSORS**

### **Dean Tataryn, B.E.S., EP – Senior Environmental Professional**

Mr. Dean Tataryn is a Senior Environmental Professional (EP) with Kollaard Associates Inc. in Kemptville, Ontario. Mr. Dean Tataryn has been conducting Phase I ESAs in accordance with the CSA Standard and Environmental Protection Act for more than 21 years. Mr. Tataryn has conducted more than 150 Phase I, II and III ESAs for commercial/residential clients over his career. Mr. Tataryn obtained a Bachelor of Environmental Studies (Honours Urban and Regional Planning) and a Certificate in Environmental Assessment from the University of Waterloo in 1995. Mr. Tataryn obtained his Environmental Professional (EP) designation in June of 2010.

EP certification is available exclusively to experienced professionals who have five or more years of relevant environmental work experience. Recipients of the EP designation have demonstrated that their skills and knowledge meet or exceed the National Occupational Standards (NOS) to ensure that they possess the specific environmental competencies required in their fields of practice. The NOS are a comprehensive list of skill statements that describe the competencies required for environmental work in Canada. The NOS provides a rigorous, nationally validated benchmark of the skills, knowledge and experience relevant for practice within the environment sector in the areas of environmental protection, resource management, environmental sustainability, environmental management, environmental auditing and/or greenhouse gas reporting.

Mr. Tataryn joined Kollaard Associates Inc. in 2005 and has worked on numerous environmental, geotechnical and hydrogeological assessment projects over his career. Mr. Tataryn is fully trained in coordinating and conducting environmental site assessments, environmental remediation, reclamation and restoration, contamination and spill inspections, and storage tank assessment and removal.

Kollaard Associates is an engineering consulting firm that provides a complete range of engineering services for developers, builders and homeowners in Eastern Ontario. Kollaard Associates specializes in providing civil, structural, geotechnical, hydrogeological and environmental services to our clients. Kollaard Associates Inc. has been established as a team of engineers and consultants since 2005. Mr. William Kollaard, P.Eng., owner and president, is responsible for the overall company development and management of the firm.

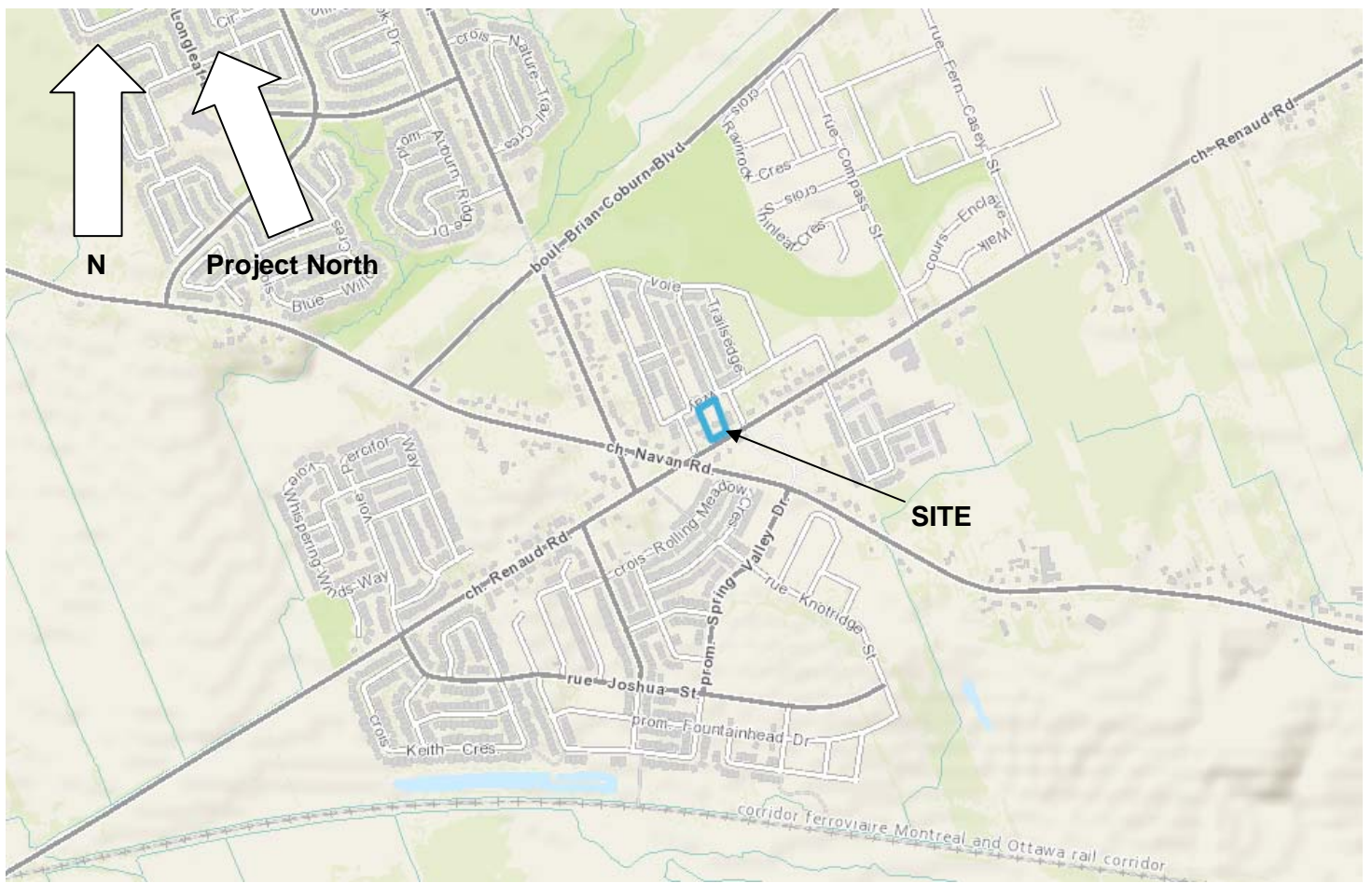
### **Colleen Vermeersch, P.Eng.**

Colleen Vermeersch is an engineer with Kollaard Associates Inc. in Kemptville, Ontario. Colleen has been conducting Phase I ESAs in accordance with the CSA Standard and Environmental Protection Act for more than four years. Colleen has conducted more than thirty Phase I ESAs for commercial/residential clients over her career and several Phase II ESAs, some of which have involved clean up supervision. Colleen Vermeersch obtained a Bachelor of Engineering (Environmental) from Carleton University in 2007 and achieved professional status in 2012.



Colleen joined Kollaard Associates Inc. in 2007 and has worked on numerous environmental and hydrogeological projects since that time. Colleen is fully trained in carrying out and analyzing pumping tests, and field and lab based testing to determine soil and aquifer properties, such as hydraulic conductivity, transmissivity and groundwater flow directions/gradients, as these apply to contaminant transport and migration, coordinating and conducting environmental site assessments, environmental remediation, and storage tank assessment and removal.

**KEY PLAN**

**FIGURE 1**



**NOT TO SCALE**

- LEGEND:**
- I INSTITUTIONAL USE
  - R RESIDENTIAL USE
  - C COMMERCIAL USE
  - M INDUSTRIAL USE
  - P PARK/COMMUNITY USE
  -  PHASE I SITE BOUNDARY
  -  PHASE I STUDY AREA  
250 METRES RADIUS

THERE ARE NO ANSI OR SURFACE WATER BODIES IN THE PHASE I ESA STUDY AREA.

THERE ARE NO WELLS ON THE PHASE I PROPERTY.

THERE ARE NO USTs WITHIN THE PHASE I ESA STUDY AREA.

NOTE: THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING REPORT.

REFERENCE: MAPPING OBTAINED FROM OTTAWA GEOMAPS

REV.	NAME	DATE	DESCRIPTION

 **Kollaard Associates**  
Engineers

PO, BOX 189, 210 PRESCOTT ST (613) 860-0923  
KEMPTVILLE ONTARIO info@kollaard.ca  
KOG 1J0 FAX (613) 258-0475  
http://www.kollaard.ca

CLIENT:  
MR. GEORGE ELIAS

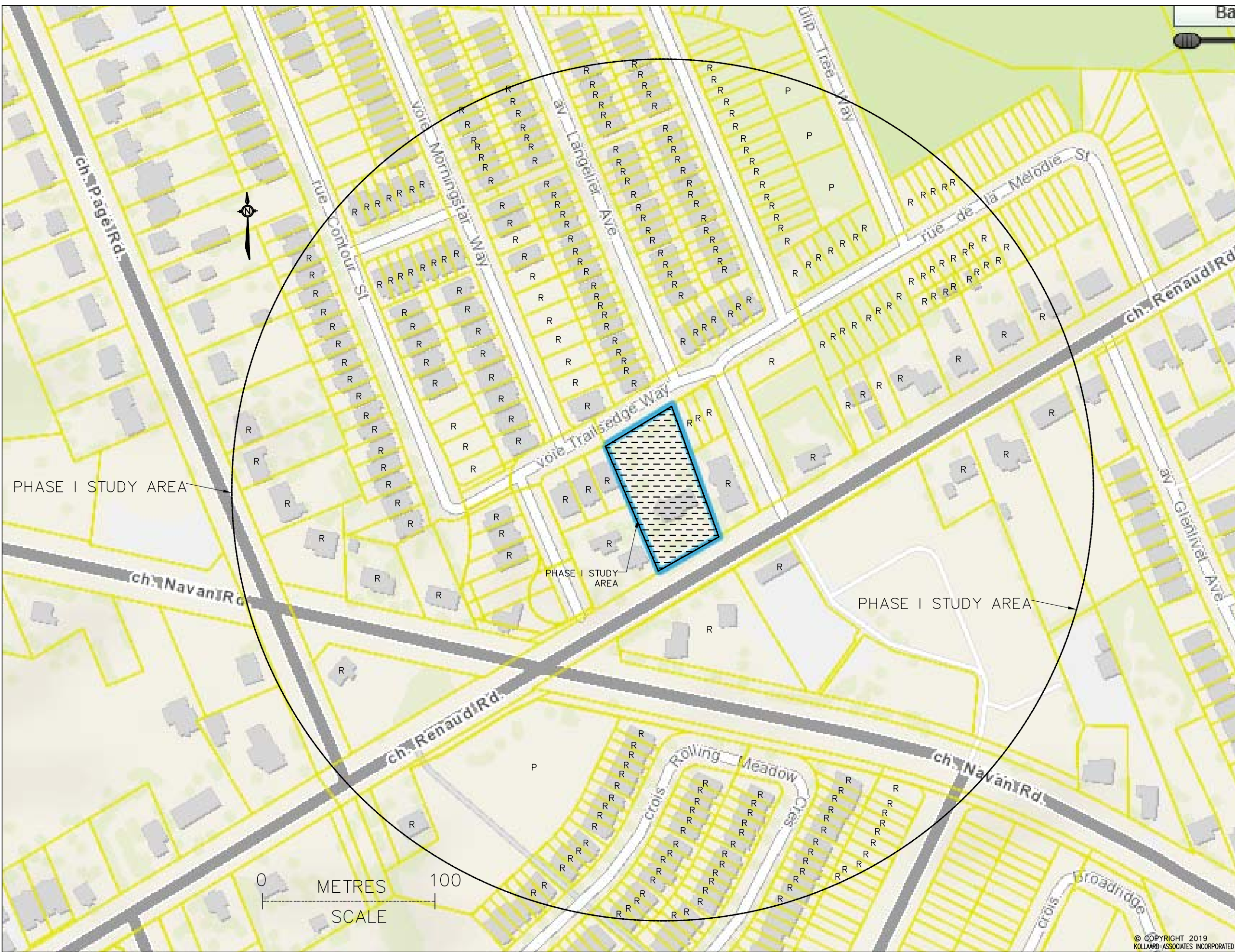
PROJECT:  
PHASE I ENVIRONMENTAL  
SITE ASSESSMENT  
CONCEPTUAL SITE MODEL

LOCATION:  
6173 RENAUD ROAD, ORLEANS WARD  
CITY OF OTTAWA, ONTARIO

DESIGNED BY:  
-- DATE:  
NOV 2019

DRAWN BY:  
DT SCALE:  
AS SHOWN

KOLLAARD FILE NUMBER:  
190867





Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

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## **ATTACHMENT A**

### **TITLE SEARCH DOCUMENTATION**

*Don: Owen Carver*

ENVIRONMENTAL SEARCH

*Pa: 6123 Rowland Rd. Ottawa*

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER # 190867
	<i>Patent</i>	<i>May 14 1803</i>	<i>Leorn</i>	<i>Henry McDonald</i>
<i>R03465</i>	<i>Deed (copy 1827)</i>	<i>July 18 1847</i>	<i>Henry McDonald</i>	<i>Angus McDonald</i>
<i>R03466</i>	<i>Deed</i>	<i>July 28 1847</i>	<i>Estate of Angus McDonald</i>	<i>Donald McDonald</i>
<i>R019927</i>	<i>Deed</i>	<i>Nov 17 1862</i>	<i>Ronald S. McDonald</i>	<i>Leona Cuason</i>
<i>6L1147</i>	<i>Deed</i>	<i>Aug 26 1872</i>	<i>Leona Cuason D.</i>	<i>Leona Cuason D.</i>
	<i>Deed</i>		<i>Leona Cuason</i>	<i>Leona Cuason</i>
<i>6L6716</i>		<i>July 18 1884</i>		
<i>6L7665</i>	<i>Deed</i>	<i>Aug 29 1886</i>	<i>Leona Cuason</i>	<i>Leona Cuason</i>
			<i>Leona Cuason</i>	<i>Leona Cuason</i>
<i>6L9977</i>	<i>Deed</i>	<i>July 14 1891</i>	<i>Leona Cuason</i>	<i>Benjamin Benjamin</i>



ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
GL30122	Deed	Apr 4 1919	Bergman's Bergman	Ernst Bergman
GL42792	Deed	Oct 29 1944	Ernst Bergman	Arthur Cote Romain Cote
C+175230	Deed	July 5 1973	Romain Cote	Romain Romain Fenimore Romain
NS97580	Deed	Sept 15 1980	Romain Romain Fenimore Romain	Alfred Emil Guillencourt & Celie Therese Guillencourt
OC1621263	Deed	Sept 19 2014	Celie Therese Guillencourt	Bromate Developments Inc.
OC1761301	Deed	Jul 1 2016	Bromate Developments Inc.	George El-Roge Elias Deel El-Roge Elias (Current owner)
<p>* Legal Description is:                      Part 501                      Part 501                      City of Ottawa</p>		<p>to:                      Plan                      PIN 0</p>	<p>Part of lots 5, Concession 3,                      SR-2853, formerly City of                      Ottawa, PIN 0 4404-0228.</p>	<p>City of Ottawa                      Ottawa Front,                      of Blouville,                      Oct 18/19</p>



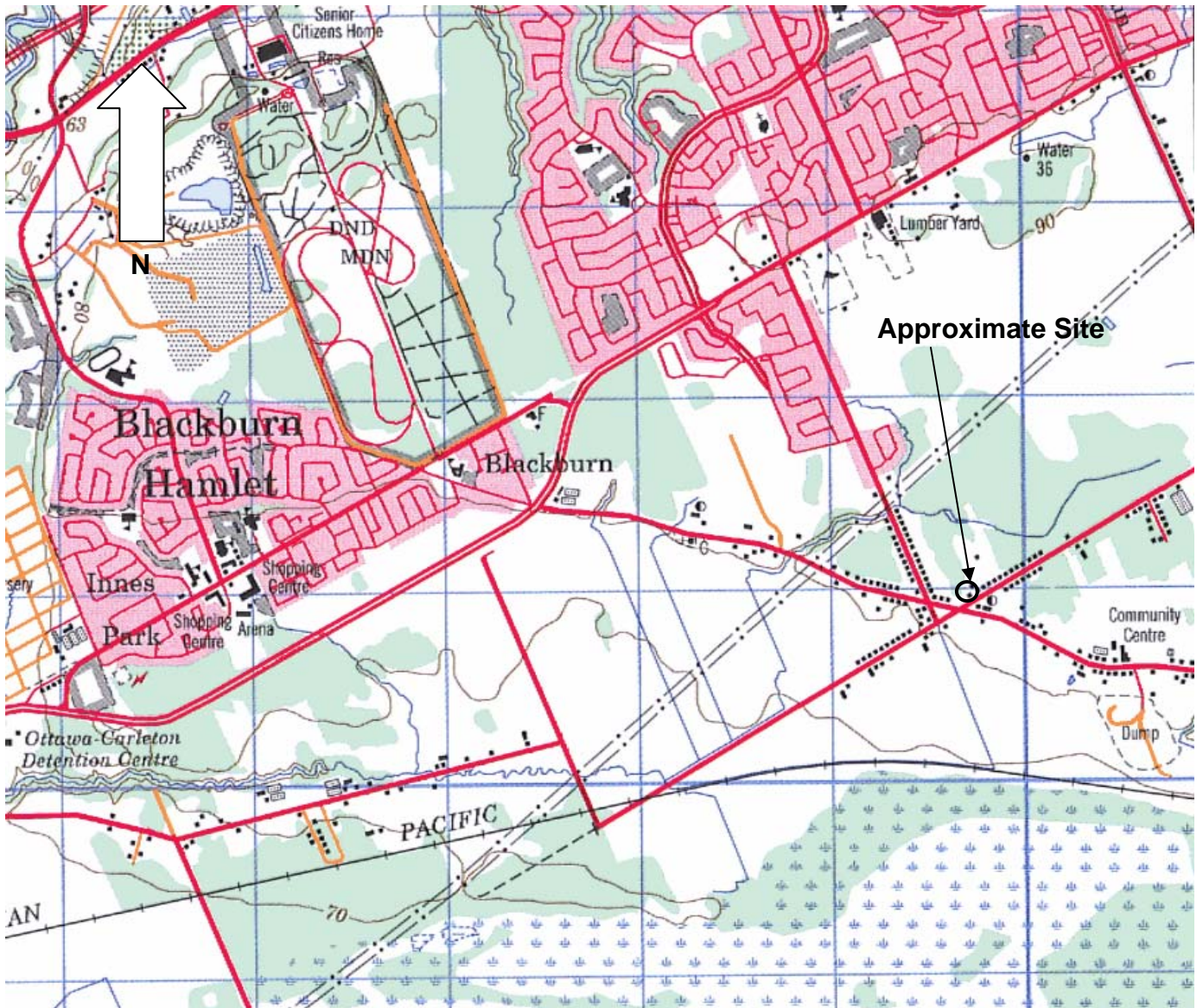
Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

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## **ATTACHMENT B**

### **TOPOGRAPHIC MAP**





Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

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**ATTACHMENT C**  
**AIR PHOTOGRAPHS**

# AIR PHOTOGRAPH



1965

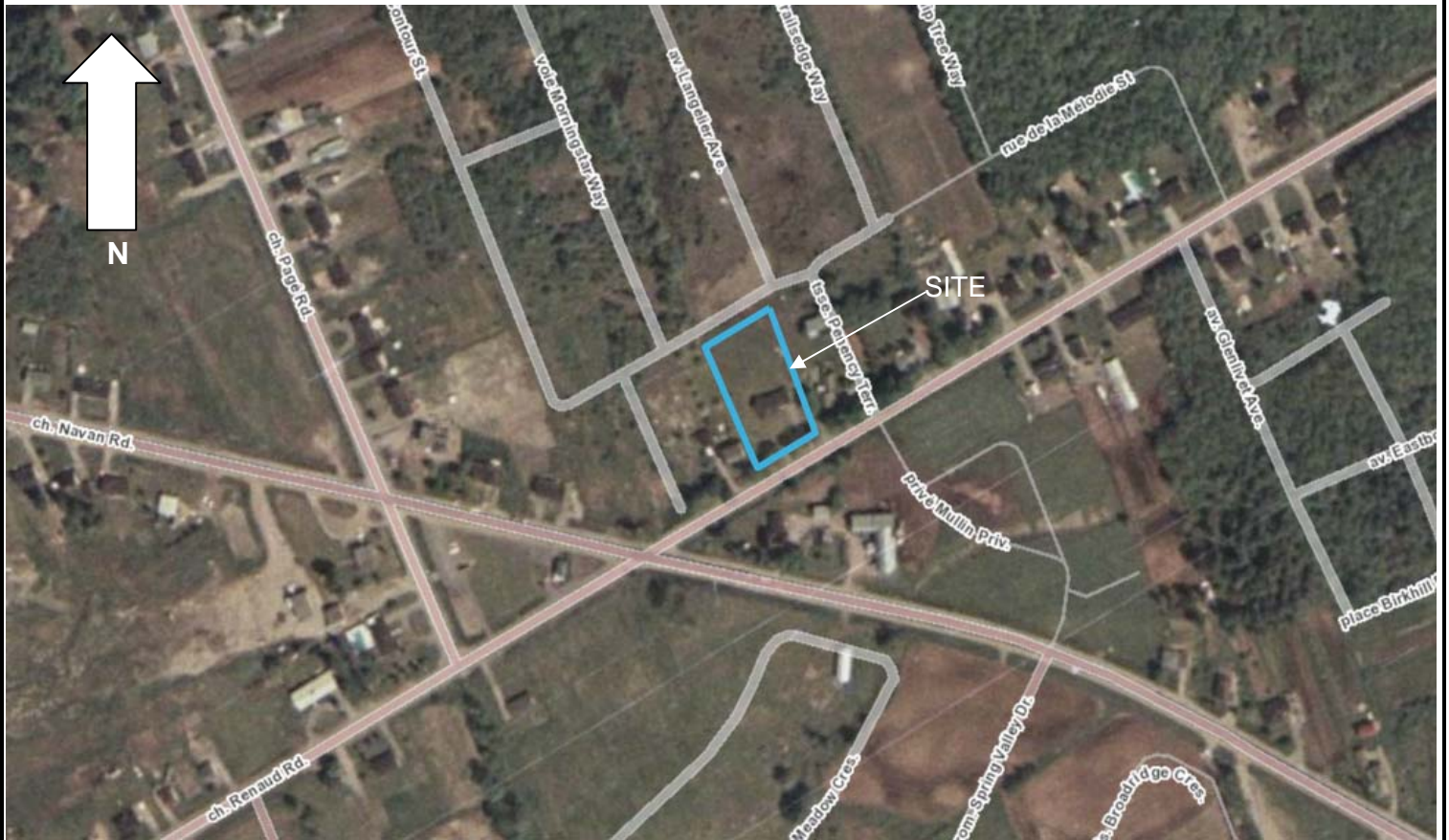


Kollaard Associates  
Engineers

Project No. 190867

Date November 2019

# AIR PHOTOGRAPH



1976



Kollaard Associates  
Engineers

Project No. 190867

Date November 2019

# AIR PHOTOGRAPH



1991



Kollaard Associates  
Engineers

Project No. 190867

Date November 2019

# AIR PHOTOGRAPH



2005



Kollaard Associates  
Engineers

Project No. 190867

Date November 2019





# AIR PHOTOGRAPH



2011



Kollaard Associates  
Engineers

Project No. 190867

Date November 2019

# AIR PHOTOGRAPH



2017



**Kollaard Associates**  
Engineers

Project No. 190867

Date November 2019



Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

---

## **ATTACHMENT D**

### **CITY OF OTTAWA CORRESPONDENCE**



**Kollaard Associates**

Engineers

210 Prescott Street

P.O. Box 189

Kemptville, Ontario K0G 1J0

Civil • Geotechnical •  
Structural • Environmental •  
Hydrogeology •

**(613) 860-0923**

FAX: (613) 258-0475

October 22, 2019

190867

City of Ottawa  
Planning and Development  
110 Laurier Avenue West  
Ottawa, Ontario  
K1P 1J1

Attention: To whom it may concern

Re: ENVIRONMENTAL SEARCH REQUEST  
6173 RENAUD ROAD  
CITY OF OTTAWA, ONTARIO

Dear Sir/Madam:

Kollaard Associates Inc. was retained by Mr. George Elias to carry out a Phase I ESA for the above noted site. Kollaard Associates Inc. hereby requests that the City of Ottawa conduct a search of all environmental databases, including the Historical Land Use Inventory ("HLUI"). Kollaard Associates Inc. is interested in any information pertaining to the environmental condition of the property and adjoining areas including, but not limited to past environmental reports, orders, violations of environmental statutes, regulations or by-laws, certificates, approvals, permits and any other environmental information.

Please find attached the consent letter, HLUI disclaimer form, and the Request for Information form. We thank you for your cooperation in this matter and look forward to your reply.

If you should require further information, please do not hesitate to contact Dean Tataryn at [dean@kollaard.ca](mailto:dean@kollaard.ca) or by telephone at (613) 860-0923, Ext 225.

Sincerely,  
KOLLAARD ASSOCIATES, INC.

*Dean Tataryn, B.E.S., EP*



**Professional Engineers**  
Ontario

Authorized by the Association of Professional Engineers  
of Ontario to offer professional engineering services.



# Kollaard Associates

Engineers

210 Prescott Street  
P.O. Box 189  
Kemptville, Ontario K0G 1J0

Civil • Geotechnical •  
Structural • Environmental •  
Hydrogeology •

**(613) 860-0923**

FAX: (613) 258-0475

October 22, 2019

190867

Mr. George Elias  
31 Woodview Crescent  
Ottawa, Ontario K1B 3B1


Re: Consent to Disclose Information  
6173 Renaud Road  
Ottawa, Ontario

Dear Sir,

We have been retained to perform a Phase I Environmental Site Assessment (ESA) for the above noted property located within the City of Ottawa, Ontario.

We are requesting consent from you, the owner of 6173 Renaud Road, for the City of Ottawa to disclose information for the purpose of the Phase I Environmental Site Assessment. This will authorize the City of Ottawa to release any relevant information about the property to the requester.

To provide consent, please sign and date the following.

\_\_\_\_\_  \_\_\_\_\_  
Owner Signature (George Elias)

\_\_\_\_\_ October 22, 2019 \_\_\_\_\_  
Date

\_\_\_\_\_ George Elias \_\_\_\_\_  
Owner Name (Please Print)

Thank you for your assistance regarding this matter.

Sincerely,  
KOLLAARD ASSOCIATES, INC.

Dean Tataryn, B.E.S., EP



Professional Engineers  
Ontario

Authorized by the Association of Professional Engineers  
of Ontario to offer professional engineering services.

Office Use Only

Application Number: \_\_\_\_\_ Ward Number: \_\_\_\_\_ Application Received: (dd/mm/yyyy): \_\_\_\_\_  
Client Service Centre Staff: \_\_\_\_\_ Fee Received: \$ \_\_\_\_\_



# Historic Land Use Inventory

## Application Form

### Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

### Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

### Background Information

\*Site Address or Location:

6173 RENAUD ROAD, OTTAWA, ON

\*Mandatory Field

### Applicant/Agent Information:

Name:

KOLLAARD ASSOCIATES INC. (Dean Tataryn)

Mailing Address:

210 PRESCOTT STREET

Telephone:

613-860-0923

Email Address:

dean@kollaard.ca

### Registered Property Owner Information:

Same as above

Name:

GEORGE ELIAS

Mailing Address:

31 Woodview Crescent, Ottawa, Ontario

Telephone:

613-355-8508

Email Address:

elias.george@gmail.com

## Site Details

Legal Description  
and PIN:

044040228

What is the land  
currently used for?

RESIDENTIAL

Lot frontage:  m Lot depth:  m Lot area:  m<sup>2</sup>

OR Lot area: (irregular lot)  m<sup>2</sup>

Does the site have Full Municipal Services:  Yes  No

## Required Fees

Please don't hesitate to visit [the Historic Land Use Inventory website](#) more information. Fees must be paid in full at the time of application submission.

Planning Fee

## Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- 3.** A site plan or key plan of the property, its location and particular features.
- 4.** Any significant dates or time frames that you would like researched.



**Disclaimer**  
**For use with HLUI Database**

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Kollaard Associates Inc. ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: Dean Tataryn

Dated (dd/mm/yyyy): 22/10/2019

Per: Dean Tataryn

(Please print name)

Title: Environmental Professional

Company: Kollaard Associates Inc.



File Number: D06-03-19-0161

November 18, 2019

Dean Tataryn  
Kollaard Associates Inc.  
210 Prescott Street  
Kemptville, ON  
K0J 1G0

*Sent via email [dean@kollaad.ca]*

Dear Mr. Tataryn,

**Re: Information Request  
6173 Renaud Road, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation**

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

- Disposals and Environmental Remediation Unit: The City’s Environmental Remediation Unit has environmental records on file pertaining to the subject properties noted below either directly on or adjacent to the subject properties. Please visit <https://ottawa.ca/en/city-hall/accountability-and-transparency/accountability-framework/freedom-information-and-protection-privacy/access-information> to submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act.
- Solid Waste Services: The Solid Waste Services Database identifies properties that are located within 5 km of a Waste Management Facility. The Solid Waste Services Database has identified that the subject property is located within 1.5 km of the WSI Landfill (3354 Navan Road).

**Search of Historical Land Use Inventory**

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

A search of the HLUI database revealed the following information:

*Shaping our future together  
Ensemble, formons notre avenir*

City of Ottawa  
Planning, Infrastructure and Economic  
Development Department

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

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

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

- There are no activities associated with the Subject Property.

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

- There is one (1) activity associated with properties located within 250m of the Subject Property.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

### **Ontario's Environmental Registry**

The Environmental Registry found at <http://www.ebr.gov.on.ca/ERS-WEB-External/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using 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 Eric Steele at 613-580-2424 ext. 21690 or [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca)

Sincerely,



Eric Steele

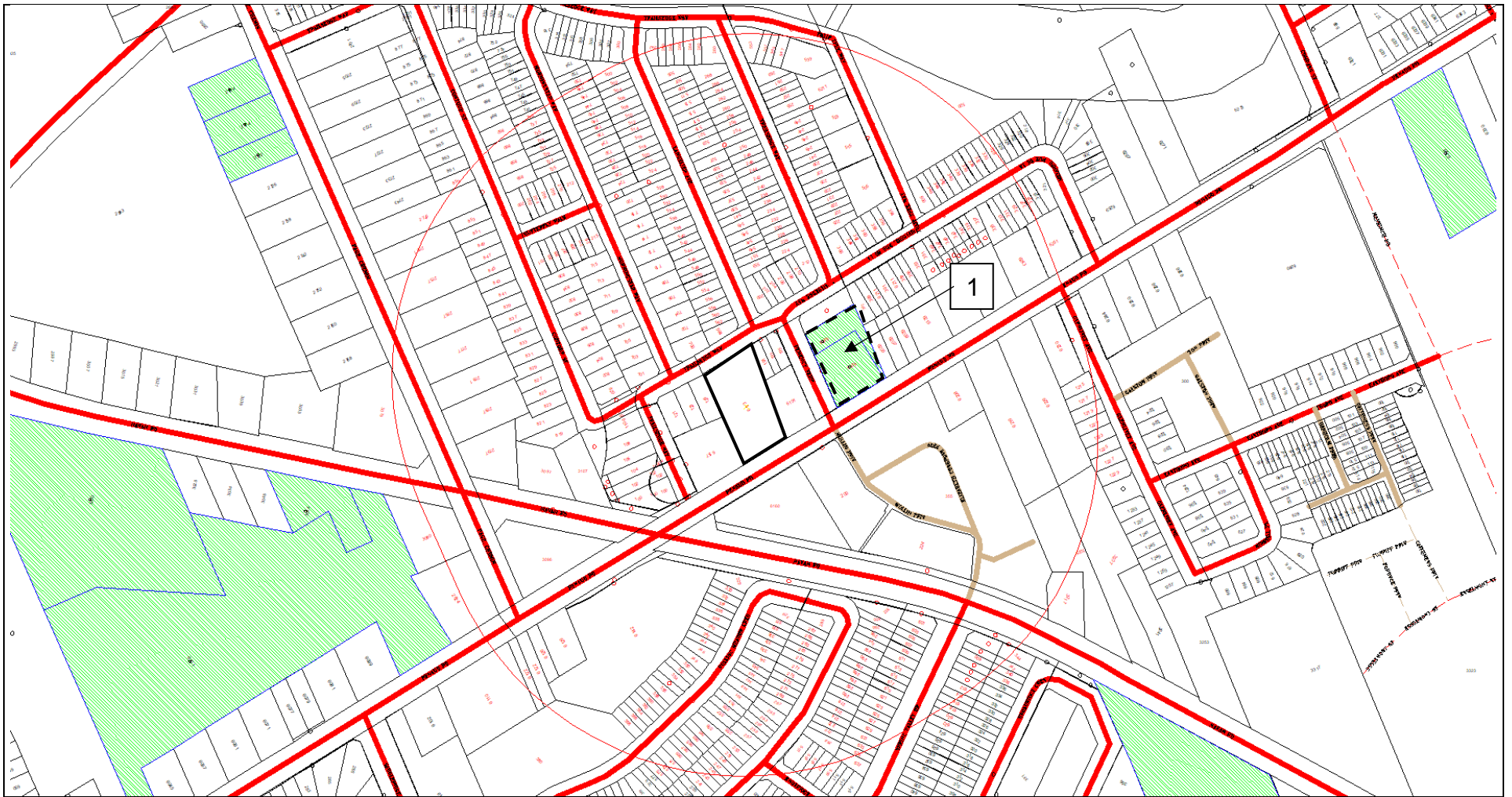
Per:

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

MB/ ES

Enclosures.

cc: File no. D06-03-19-0161




Scale 1: n/a

6173 Renaud Road  
Ottawa, ON  
File # D06-03-19-0161  
Eric Steele



Overview

ID# = Area Number

 = Subject Site

<b>Area</b>	<b>Associated HLUI Activities</b>	<b>HLUI Activities with a PIN Certainty of “2” *</b>
Subject Property	None	
1	4416	

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

# Historical Land Use Inventory

Activity Numbers –

**Adjacent Properties**

# Historical Land Use Inventory

## Area #1 Activity Numbers





**CITY OF OTTAWA**

**HLUI ID: \_\_6790X5**

**AREA (Square Metres): 1031.155**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 09:02:51

**Study Year**  
2005

**PIN**  
044040225

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 4416 **Multiple PINS:** Y

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

**Related PINS:** 044040225

**Name:** DIETER MENG LIMITED  
**Address:** 6203 FOURTH LINE ROAD,  
**Facility Type:** Interior and Finishing Work

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2005 Select Phone

**NAICS**      **SIC**  
238320      0

**Company Name**

DIETER MENG LIMITED

**Year of Operation**

c. 2005



**CITY OF OTTAWA**

**HLUI ID: \_\_679A1J**

**AREA (Square Metres): 1883.845**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 09:04:09

**Study Year**  
2005

**PIN**  
044040225

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 4416 **Multiple PINS:** Y

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

**Related PINS:** 044040225

**Name:** DIETER MENG LIMITED  
**Address:** 6203 FOURTH LINE ROAD,  
**Facility Type:** Interior and Finishing Work

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2005 Select Phone

**NAICS**      **SIC**  
238320      0

**Company Name**

DIETER MENG LIMITED

**Year of Operation**

c. 2005



Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

---

## **ATTACHMENT E**

### **ENVIRONMENTAL RISK INFORMATION SERVICE (ECOLOG ERIS)**



# DATABASE REPORT

**Project Property:** 190867  
6173 Renaud Road  
Navan ON K4B 1H9

**Project No:** 190867

**Report Type:** Standard Report

**Order No:** 20191016018

**Requested by:** Kollaard Associates Inc.

**Date Completed:** October 21, 2019

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

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

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# Executive Summary

## Property Information:

**Project Property:** 190867  
6173 Renaud Road Navan ON K4B 1H9

**Project No:** 190867

## **Coordinates:**

**Latitude:** 45.4311  
**Longitude:** -75.51459  
**UTM Northing:** 5,030,970.74  
**UTM Easting:** 459,747.76  
**UTM Zone:** UTM Zone 18T

**Elevation:** 265 FT  
80.88 M

## Order Information:

**Order No:** 20191016018  
**Date Requested:** October 16, 2019  
**Requested by:** Kollaard Associates Inc.  
**Report Type:** Standard Report

## Historical/Products:

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	2	2
CA	<i>Certificates of Approval</i>	Y	0	4	4
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	6	6
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	5	5
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	3	3
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	1	1
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	1	4	5
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	10	10
<b>Total:</b>			1	38	39



## 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>
<a href="#">1</a>	PINC		6173 Renaud Road, Ottawa ON	NW/22.4	0.00	<a href="#">19</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">2</a>	WWIS		lot 5 con 3 ON <b>Well ID:</b> 1513908	E/23.3	0.00	<a href="#">19</a>
<a href="#">3</a>	EHS		6191 Renaud Rd Ottawa ON K4B1H9	NNE/38.1	0.00	<a href="#">22</a>
<a href="#">4</a>	WWIS		Ottawa ON <b>Well ID:</b> 7220992	S/66.5	0.00	<a href="#">22</a>
<a href="#">5</a>	EHS		3143 Navan Road Navan ON K4B 1H9	S/74.1	0.00	<a href="#">25</a>
<a href="#">6</a>	WWIS		lot 5 con 4 ON <b>Well ID:</b> 1501527	S/79.0	0.00	<a href="#">25</a>
<a href="#">7</a>	PINC		700 MORNINGSTAR WAY, OTTAWA ON	NW/87.6	0.00	<a href="#">27</a>
<a href="#">7</a>	SPL	Enbridge Gas Distribution Inc.	700 Morningstar Way Ottawa ON	NW/87.6	0.00	<a href="#">28</a>
<a href="#">8</a>	WWIS		lot 5 con 4 ON <b>Well ID:</b> 1509638	SSW/100.4	0.08	<a href="#">28</a>
<a href="#">9</a>	CA	Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	W/123.0	0.00	<a href="#">32</a>
<a href="#">9</a>	CA	Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	W/123.0	0.00	<a href="#">32</a>
<a href="#">9</a>	ECA	Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	W/123.0	0.00	<a href="#">32</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">9</a>	ECA	Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	W/123.0	0.00	<a href="#">32</a>
<a href="#">10</a>	SPL		Renaud Rd and Navan Rd Ottawa ON	SW/124.1	-1.00	<a href="#">33</a>
<a href="#">11</a>	CA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	SW/129.5	-1.00	<a href="#">33</a>
<a href="#">11</a>	CA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	SW/129.5	-1.00	<a href="#">34</a>
<a href="#">11</a>	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	SW/129.5	-1.00	<a href="#">34</a>
<a href="#">11</a>	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	SW/129.5	-1.00	<a href="#">34</a>
<a href="#">11</a>	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Ottawa ON K2P 0Y6	SW/129.5	-1.00	<a href="#">34</a>
<a href="#">12</a>	EHS		Navan Rd Renaud Rd Ottawa ON	SE/141.5	0.00	<a href="#">35</a>
<a href="#">13</a>	BORE		ON	E/153.5	0.00	<a href="#">35</a>
<a href="#">13</a>	WWIS		lot 4 con 4 ON <b>Well ID:</b> 1501523	E/153.5	0.00	<a href="#">36</a>
<a href="#">14</a>	EHS		3097 and 3107 Navan Road Ottawa ON K1W1E9	WSW/168.7	-1.00	<a href="#">39</a>
<a href="#">15</a>	BORE		ON	W/177.4	0.00	<a href="#">39</a>
<a href="#">16</a>	PINC		6219 Renaud Road, Ottawa ON	NE/184.1	1.00	<a href="#">40</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">16</a>	PINC		6219 Renaud Road, Ottawa ON	NE/184.1	1.00	<a href="#">41</a>
<a href="#">17</a>	WWIS		lot 4 con 4 ON <b>Well ID:</b> 1501526	E/190.6	0.00	<a href="#">41</a>
<a href="#">18</a>	WWIS		lot 5 con 3 NAVAN ON <b>Well ID:</b> 7151447	N/197.3	1.00	<a href="#">43</a>
<a href="#">19</a>	EHS		3096 Navan Rd Ottawa ON K1W1E9	WSW/205.7	-1.00	<a href="#">45</a>
<a href="#">20</a>	WWIS		lot 5 con 3 ON <b>Well ID:</b> 1501415	W/218.9	-1.00	<a href="#">45</a>
<a href="#">21</a>	INC		278 ROLLING MEADOWS CRES, OTTAWA ON	SSE/225.9	-1.00	<a href="#">48</a>
<a href="#">22</a>	HINC		6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	SW/237.3	-1.00	<a href="#">49</a>
<a href="#">22</a>	HINC		6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	SW/237.3	-1.00	<a href="#">49</a>
<a href="#">23</a>	WWIS		lot 5 con 3 ON <b>Well ID:</b> 1510713	W/237.9	-0.69	<a href="#">50</a>
<a href="#">24</a>	PINC		6230 Renaud Road, Ottawa ON	ENE/242.5	0.00	<a href="#">53</a>
<a href="#">25</a>	ECA	Glenview Homes (Renaud) Ltd.	6211 Renaud Rd Ottawa ON K2P 2R3	NNE/245.6	1.00	<a href="#">53</a>
<a href="#">26</a>	HINC		2777 PAGE ROAD Orleans ON K1W 1G1	WNW/245.9	0.00	<a href="#">54</a>
<a href="#">27</a>	WWIS		lot 6 con 3 ON	WSW/248.0	-1.00	<a href="#">54</a>

<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>
			<i>Well ID:</i> 1501427			
<a href="#">28</a>	SPL	BUS	NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	WSW/249.3	-1.00	<a href="#">56</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

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

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	E	153.47	<a href="#"><u>13</u></a>
	ON	W	177.35	<a href="#"><u>15</u></a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 4 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	W	123.00	<a href="#"><u>9</u></a>
Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	W	123.00	<a href="#"><u>9</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	SW	129.49	<a href="#"><u>11</u></a>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	SW	129.49	<a href="#"><u>11</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Sep 30, 2019 has found that there are 6 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	W	123.00	<a href="#"><u>9</u></a>
Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	W	123.00	<a href="#"><u>9</u></a>
Glenview Homes (Renaud) Ltd.	6211 Renaud Rd Ottawa ON K2P 2R3	NNE	245.58	<a href="#"><u>25</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	SW	129.49	<a href="#"><u>11</u></a>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	SW	129.49	<a href="#"><u>11</u></a>
Claridge Homes (Carson) Inc.	3138 Navan Rd Ottawa ON K2P 0Y6	SW	129.49	<a href="#"><u>11</u></a>

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Jul 31, 2019 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6191 Renaud Rd Ottawa ON K4B1H9	NNE	38.06	<a href="#"><u>3</u></a>
	3143 Navan Road Navan ON K4B 1H9	S	74.08	<a href="#"><u>5</u></a>
	Navan Rd Renaud Rd Ottawa ON	SE	141.53	<a href="#"><u>12</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
------------------------	----------------	------------------	---------------------	----------------

3097 and 3107 Navan Road Ottawa ON K1W1E9	WSW	168.68	<a href="#">14</a>
--	-----	--------	--------------------

3096 Navan Rd Ottawa ON K1W1E9	WSW	205.65	<a href="#">19</a>
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### **HINC - TSSA Historic Incidents**

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
-------------------------------	----------------	------------------	---------------------	----------------

2777 PAGE ROAD Orleans ON K1W 1G1	WNW	245.94	<a href="#">26</a>
--------------------------------------	-----	--------	--------------------

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
------------------------	----------------	------------------	---------------------	----------------

6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	SW	237.29	<a href="#">22</a>
---	----	--------	--------------------

6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	SW	237.29	<a href="#">22</a>
---	----	--------	--------------------

### **INC - TSSA Incidents**

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC 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>
------------------------	----------------	------------------	---------------------	----------------

278 ROLLING MEADOWS CRES, OTTAWA ON	SSE	225.86	<a href="#">21</a>
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### **PINC - TSSA Pipeline Incidents**



A search of the PINC database, dated Feb 28, 2017 has found that there are 5 PINC 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>
	6173 Renaud Road, Ottawa ON	NW	22.39	<a href="#">1</a>
	700 MORNINGSTAR WAY, OTTAWA ON	NW	87.58	<a href="#">7</a>
	6219 Renaud Road, Ottawa ON	NE	184.06	<a href="#">16</a>
	6219 Renaud Road, Ottawa ON	NE	184.06	<a href="#">16</a>
	6230 Renaud Road, Ottawa ON	ENE	242.51	<a href="#">24</a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Feb 2019 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

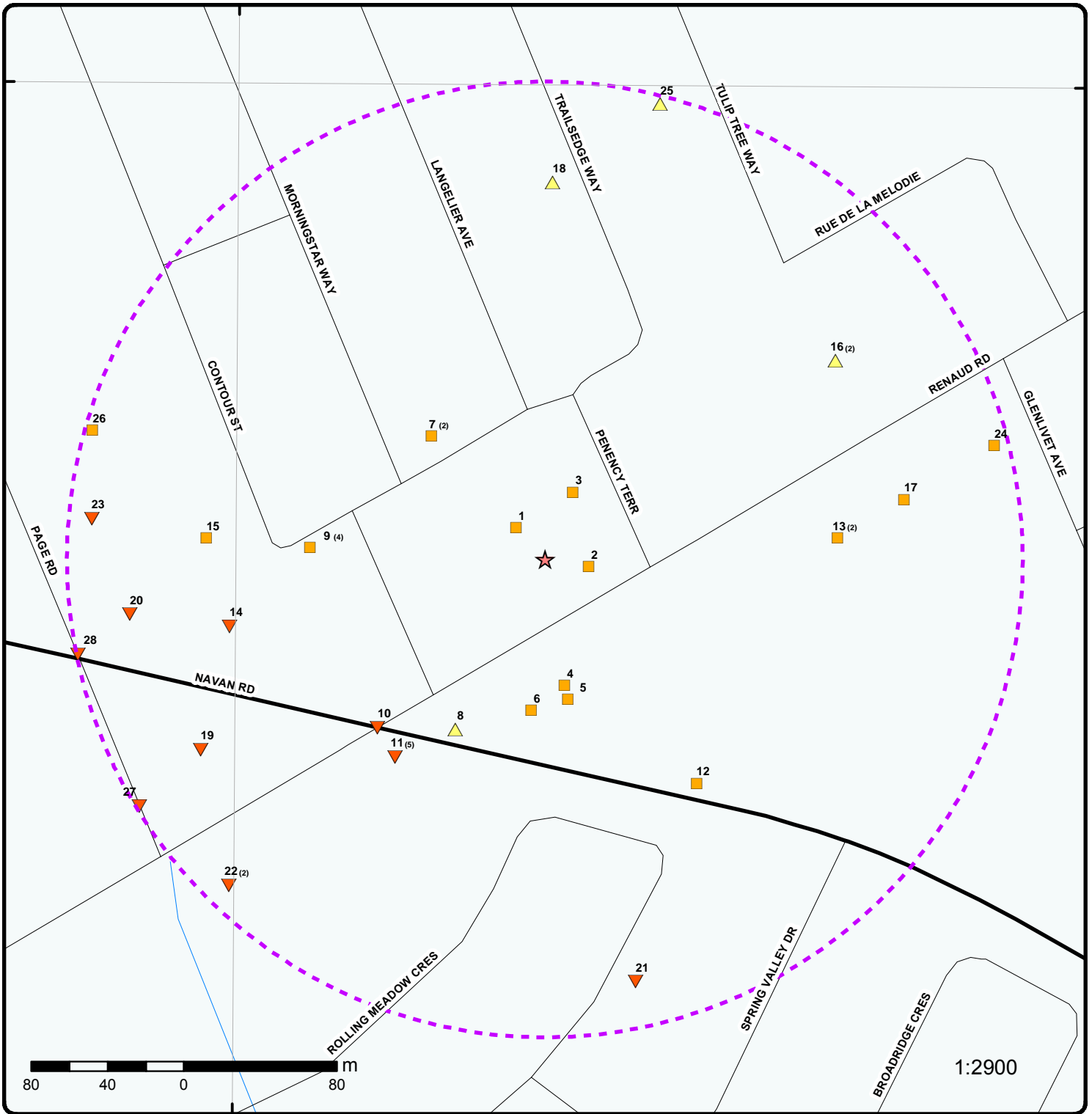
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	700 Morningstar Way Ottawa ON	NW	87.58	<a href="#">7</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Renaud Rd and Navan Rd Ottawa ON	SW	124.09	<a href="#">10</a>
BUS	NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	WSW	249.33	<a href="#">28</a>

### **WWIS - Water Well Information System**

A search of the WWIS database, dated Feb 28, 2019 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 5 con 3 ON  <i>Well ID:</i> 1513908	E	23.34	<a href="#"><u>2</u></a>
	Ottawa ON  <i>Well ID:</i> 7220992	S	66.53	<a href="#"><u>4</u></a>
	lot 5 con 4 ON  <i>Well ID:</i> 1501527	S	79.04	<a href="#"><u>6</u></a>
	lot 5 con 4 ON  <i>Well ID:</i> 1509638	SSW	100.40	<a href="#"><u>8</u></a>
	lot 4 con 4 ON  <i>Well ID:</i> 1501523	E	153.47	<a href="#"><u>13</u></a>
	lot 4 con 4 ON  <i>Well ID:</i> 1501526	E	190.62	<a href="#"><u>17</u></a>
	lot 5 con 3 NAVAN ON  <i>Well ID:</i> 7151447	N	197.31	<a href="#"><u>18</u></a>
 <u>Lower Elevation</u>	 <u>Address</u>	 <u>Direction</u>	 <u>Distance (m)</u>	 <u>Map Key</u>
	lot 5 con 3 ON  <i>Well ID:</i> 1501415	W	218.86	<a href="#"><u>20</u></a>
	lot 5 con 3 ON  <i>Well ID:</i> 1510713	W	237.92	<a href="#"><u>23</u></a>
	lot 6 con 3 ON  <i>Well ID:</i> 1501427	WSW	247.99	<a href="#"><u>27</u></a>



### Map : 0.25 Kilometer Radius

Order No: 20191016018

Address: 6173 Renaud Road, Navan, ON, K4B 1H9



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

75°31'30"W

45°25'30"N

45°25'30"N



# Aerial (2017)

Address: 6173 Renaud Road, Navan, ON, K4B 1H9

Source: ESRI World Imagery

Order No: 20191016018



© ERIS Information Limited Partnership



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

# Topographic Map

Address: 6173 Renaud Road, Navan, ON, K4B 1H9

Source: ESRI World Topographic Map

Order No: 20191016018



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB		
<u>1</u>	1 of 1	NW/22.4	80.9 / 0.00	6173 Renaud Road, Ottawa ON	PINC		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Incident ID:</b> 2801790  <b>Incident No:</b> 645066  <b>Type:</b> FS-Pipeline Incident  <b>Status Code:</b> Pipeline Damage Reason Est  <b>Fuel Occurrence Tp:</b> Pipeline Strike  <b>Fuel Type:</b> Natural Gas  <b>Tank Status:</b> RC Established  <b>Task No:</b> 3447797  <b>Spills Action Centre:</b>  <b>Method Details:</b> E-mail  <b>Fuel Category:</b> Natural Gas  <b>Date of Occurrence:</b> 8/12/2011 0:00  <b>Occurrence Start Date:</b> 2011/08/15  <b>Operation Type:</b> Construction Site (pipeline strike)  <b>Pipeline Type:</b> Main Distribution Pipeline  <b>Regulator Type:</b> Service Regulator (up to 60 psi intake)  <b>Summary:</b> 6173 Renaud Road, Ottawa - Pipeline Hit  <b>Reported By:</b> Wayne Pilon  <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)  <b>Occurrence Desc:</b> gas main damage  <b>Damage Reason:</b> Excavation practices not sufficient  <b>Notes:</b> imprudent excavation                 </td> <td style="width: 50%; vertical-align: top;"> <b>Health Impact:</b> No  <b>Environment Impact:</b> No  <b>Property Damage:</b> Yes  <b>Service Interrupt:</b> Yes  <b>Enforce Policy:</b> Yes  <b>Public Relation:</b> No  <b>Pipeline System:</b> Transmission pipeline  <b>Depth:</b> 19  <b>Pipe Material:</b> Plastic  <b>PSIG:</b> 40  <b>Attribute Category:</b> FS-Perform P-line Inc Invest  <b>Regulator Location:</b> Outside                 </td> </tr> </table>						<b>Incident ID:</b> 2801790 <b>Incident No:</b> 645066 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> Pipeline Damage Reason Est <b>Fuel Occurrence Tp:</b> Pipeline Strike <b>Fuel Type:</b> Natural Gas <b>Tank Status:</b> RC Established <b>Task No:</b> 3447797 <b>Spills Action Centre:</b> <b>Method Details:</b> E-mail <b>Fuel Category:</b> Natural Gas <b>Date of Occurrence:</b> 8/12/2011 0:00 <b>Occurrence Start Date:</b> 2011/08/15 <b>Operation Type:</b> Construction Site (pipeline strike) <b>Pipeline Type:</b> Main Distribution Pipeline <b>Regulator Type:</b> Service Regulator (up to 60 psi intake) <b>Summary:</b> 6173 Renaud Road, Ottawa - Pipeline Hit <b>Reported By:</b> Wayne Pilon <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>Occurrence Desc:</b> gas main damage <b>Damage Reason:</b> Excavation practices not sufficient <b>Notes:</b> imprudent excavation	<b>Health Impact:</b> No <b>Environment Impact:</b> No <b>Property Damage:</b> Yes <b>Service Interrupt:</b> Yes <b>Enforce Policy:</b> Yes <b>Public Relation:</b> No <b>Pipeline System:</b> Transmission pipeline <b>Depth:</b> 19 <b>Pipe Material:</b> Plastic <b>PSIG:</b> 40 <b>Attribute Category:</b> FS-Perform P-line Inc Invest <b>Regulator Location:</b> Outside
<b>Incident ID:</b> 2801790 <b>Incident No:</b> 645066 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> Pipeline Damage Reason Est <b>Fuel Occurrence Tp:</b> Pipeline Strike <b>Fuel Type:</b> Natural Gas <b>Tank Status:</b> RC Established <b>Task No:</b> 3447797 <b>Spills Action Centre:</b> <b>Method Details:</b> E-mail <b>Fuel Category:</b> Natural Gas <b>Date of Occurrence:</b> 8/12/2011 0:00 <b>Occurrence Start Date:</b> 2011/08/15 <b>Operation Type:</b> Construction Site (pipeline strike) <b>Pipeline Type:</b> Main Distribution Pipeline <b>Regulator Type:</b> Service Regulator (up to 60 psi intake) <b>Summary:</b> 6173 Renaud Road, Ottawa - Pipeline Hit <b>Reported By:</b> Wayne Pilon <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>Occurrence Desc:</b> gas main damage <b>Damage Reason:</b> Excavation practices not sufficient <b>Notes:</b> imprudent excavation	<b>Health Impact:</b> No <b>Environment Impact:</b> No <b>Property Damage:</b> Yes <b>Service Interrupt:</b> Yes <b>Enforce Policy:</b> Yes <b>Public Relation:</b> No <b>Pipeline System:</b> Transmission pipeline <b>Depth:</b> 19 <b>Pipe Material:</b> Plastic <b>PSIG:</b> 40 <b>Attribute Category:</b> FS-Perform P-line Inc Invest <b>Regulator Location:</b> Outside						

<u>2</u>	1 of 1	E/23.3	80.9 / 0.00	lot 5 con 3 ON	WWIS		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Well ID:</b> 1513908  <b>Construction Date:</b>  <b>Primary Water Use:</b> Domestic  <b>Sec. Water Use:</b> 0  <b>Final Well Status:</b> Water Supply  <b>Water Type:</b>  <b>Casing Material:</b>  <b>Audit No:</b>  <b>Tag:</b>  <b>Construction Method:</b>  <b>Elevation (m):</b>  <b>Elevation Reliability:</b>  <b>Depth to Bedrock:</b>  <b>Well Depth:</b>  <b>Overburden/Bedrock:</b>  <b>Pump Rate:</b>  <b>Static Water Level:</b>  <b>Flowing (Y/N):</b>  <b>Flow Rate:</b>  <b>Clear/Cloudy:</b> </td> <td style="width: 50%; vertical-align: top;"> <b>Data Entry Status:</b>  <b>Data Src:</b> 1  <b>Date Received:</b> 3/18/1974  <b>Selected Flag:</b> Yes  <b>Abandonment Rec:</b>  <b>Contractor:</b> 1504  <b>Form Version:</b> 1  <b>Owner:</b>  <b>Street Name:</b>  <b>County:</b> OTTAWA-CARLETON  <b>Municipality:</b> GLOUCESTER TOWNSHIP  <b>Site Info:</b>  <b>Lot:</b> 005  <b>Concession:</b> 03  <b>Concession Name:</b> OF  <b>Easting NAD83:</b>  <b>Northing NAD83:</b>  <b>Zone:</b>  <b>UTM Reliability:</b> </td> </tr> </table>						<b>Well ID:</b> 1513908 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 3/18/1974 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 1504 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA-CARLETON <b>Municipality:</b> GLOUCESTER TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 005 <b>Concession:</b> 03 <b>Concession Name:</b> OF <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>
<b>Well ID:</b> 1513908 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 3/18/1974 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 1504 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA-CARLETON <b>Municipality:</b> GLOUCESTER TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 005 <b>Concession:</b> 03 <b>Concession Name:</b> OF <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>						

**Bore Hole Information**

## Appendix: Database Descriptions

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

### **Abandoned Aggregate Inventory:**

Provincial

[AAGR](#)

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

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial

[AGR](#)

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

**Government Publication Date: Up to Sep 2018**

### **Abandoned Mine Information System:**

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Oct 2018**

### **Anderson's Waste Disposal Sites:**

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Jul 31, 2019**

### **Borehole:**

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2017**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017**

**Chemical Register:**

Private CHEM

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

**Government Publication Date: 1999-Jul 31, 2019**

**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 - Jun 2019**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial COAL

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

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial CONV

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

**Government Publication Date: 1989-Jul 2019**

**Certificates of Property Use:**

Provincial CPU

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

**Government Publication Date: 1994-Sep 30, 2019**

**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 2018**



**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, 2019**

**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-Sep 30, 2019**

**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, 2019**

**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, 2019**

**Environmental Issues Inventory System:**

Federal **EIIS**

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

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

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

**Government Publication Date: Dec 31, 2016**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

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

**Government Publication Date: Jan 1, 2011 - Dec 31, 2018**

**List of TSSA Expired Facilities:**

Provincial **EXP**

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Federal Convictions:**

Federal **FCON**

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

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

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

**Government Publication Date: Jun 2000-May 2019**

**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 2018**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Fuel Storage Tank - Historic:**

Provincial **FSTH**

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

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial **GEN**

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

**Government Publication Date: 1986-Jul 31, 2019**

**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 CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2017**

**TSSA Historic Incidents:**

Provincial **HINC**

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

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal **IAFT**

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

**Government Publication Date: 1950-Aug 2003\***

**TSSA Incidents:**

Provincial **INC**

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Landfill Inventory Management Ontario:**

Provincial **LIMO**

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

**Government Publication Date: Feb 28, 2019**

**Canadian Mine Locations:**

Private **MINE**

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial **MNR**

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Jan 2019**

**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, 2017**

**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, 2019**

**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](http://www.nickles.com).

**Government Publication Date: 1988-Aug 31, 2019**

**Ontario Oil and Gas Wells:**

Provincial [OOGW](#)

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

**Government Publication Date: 1800-Jun 2019**

**Inventory of PCB Storage Sites:**

Provincial [OPCB](#)

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

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

**Orders:**

Provincial [ORD](#)

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

**Government Publication Date: 1994-Sep 30, 2019**

**Canadian Pulp and Paper:**

Private [PAP](#)

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

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

**Parks Canada Fuel Storage Tanks:**

Federal [PCFT](#)

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

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial [PES](#)

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

**Government Publication Date: 1988-Mar 2019**

**TSSA Pipeline Incidents:**

Provincial [PINC](#)

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Private and Retail Fuel Storage Tanks:**

Provincial [PRT](#)

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

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial [PTTW](#)

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

**Government Publication Date: 1994-Sep 30, 2019**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial [REC](#)

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

**Government Publication Date: 1986-2016**

**Record of Site Condition:**

Provincial **RSC**

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

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

**Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2019**

**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-Jul 31, 2019**

**Scott's Manufacturing Directory:**

Private **SCT**

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

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial **SPL**

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date: 1988-Feb 2019**

**Wastewater Discharger Registration Database:**

Provincial **SRDS**

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

**Government Publication Date: 1990-Dec 31, 2017**

**Anderson's Storage Tanks:**

Private **TANK**

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

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal **TCFT**

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

**Government Publication Date: 1970-Aug 2018**

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial **VAR**

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial

[WDS](#)

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

**Government Publication Date: Oct 2011-Sep 30, 2019**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial

[WDSH](#)

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

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

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

**Government Publication Date: Feb 28, 2019**

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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





Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

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## **ATTACHMENT F**

### **SITE PHOTOGRAPHS**



Single family dwelling at 6173 Renaud Road



East and West Side of Dwelling



Existing Gazebo, pool and storage shed located at rear of dwelling



East and West facing views from Renaud Road



Existing Residential building located immediately west of site



New residential dwelling located northwest of the site



View of central air conditioning unit and natural gas meter



View of hydro pole at southeast corner of property



View of existing furnace and humidifier within basement of dwelling



View of existing hot water tank



Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

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## **ATTACHMENT G**

### **MECP CORRESPONDENCE**



Kollaard Associates

Engineers

210 Prescott Street

P.O. Box 189

Kemptville, Ontario K0G 1J0

Civil • Geotechnical •  
Structural • Environmental •  
Hydrogeology

**(613) 860-0923**

FAX: (613) 258-0475

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October 25, 2019

190867

Ministry of the Environment, Conservation and Parks  
2430 Don Reid Drive  
Ottawa, Ontario  
K1H 1E1

Attention: Abatement Officer

Re: 6173 RENAUD ROAD  
PART OF LOT 5, CONCESSION 3, OTTAWA FRONT  
BEING PART 5 ON PLAN 5R-2853  
FORMERLY CITY OF GLOUCESTER  
PIN 044040228  
CITY OF OTTAWA, ONTARIO

Dear Sirs/Madam:

We have been retained by Mr. George Elias to carry out a Phase I ESA for the above noted site. Accordingly, we would be pleased if you would provide us with information concerning any historical or existing incidents at or in the vicinity of the above site on file with the Ontario Ministry of the Environment.

Sincerely,  
KOLLAARD ASSOCIATES, INC.

*Dean Tataryn, B.E.S., EP.*



Professional Engineers  
Ontario

Authorized by the Association of Professional Engineers  
of Ontario to offer professional engineering services.





Mr. George Elias  
November 5, 2019

**Phase I Environmental Site Assessment**  
6173 Renaud Road, Orleans Ward  
Ottawa, Ontario  
190867

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## **ATTACHMENT H**

### **PROPERTY INFORMATION**

**6173 RENAUD RD**

**PIN:** 044040228

**LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE**

PIN	LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE
044040228	CON 3 OF PT LOT 5



**PROPERTY DIMENSIONS / DIMENSIONS DE LA PROPRIÉTÉ**

	044040228
FRONTAGE - ft / FAÇADE - pi:	134.70
DEPTH - ft / PROFONDEUR - pi:	0.00
PROPERTY AREA - acre / SUPERFICIE - acre:	0.8600

**SERVICES / SERVICES**

PIN	WASTE COLLECTION PICK-UP DAY AND ZONE / JOUR ET ZONE DE LA COLLECTE DES ORDURES
044040228	Z5 City THU B

**WARD INFORMATION / INFORMATIONS WARD**

PIN	WARD NUMBER / NUMÉRO DU QUARTIER	WARD NAME / NOM DU QUARTIER	COUNCILLOR NAME / NOM DU CONSEILLER - (ÈRE)
044040228	2	INNES	Laura Dudas

## DR - Development Reserve Zone (Sections 237 and 238)

### Purpose of the Zone

*The purpose of the DR - Development Reserve Zone is to:*

- (1) *recognize lands intended for future urban development in areas designated as **General Urban Area** and **Developing Communities** in the Official Plan, and future village development in areas designated as **Village** in the Official Plan;*
- (2) *limit the range of permitted uses to those which will not preclude future development options; and*
- (3) *impose regulations which ensure a low scale and intensity of development to reflect the characteristics of existing land uses.*
- (4) *permit limited lot creation on existing public streets in villages that will not preclude future development options in the DR3 – Development Reserve Subzone 3. (By-law 2013-58)*

### Section 237

In the DR Zone,

#### Permitted Uses

- (1) The following uses are permitted subject to:
  - (a) the provisions of subsection 237(2);
    - agricultural use**
    - emergency service**
    - environmental preserve and education area**
    - forestry operation**
    - group home**, see Part 5, Section 125
    - home-based business**, see Part 5, Section 127
    - marine facility**
    - one detached **dwelling** accessory to a permitted use
    - park**
    - secondary dwelling unit**, see Part 5, Section 133
    - urban agriculture** (By-law 2017-148)

## Zone Provisions

Menu ▼

(2) The zone provisions are set out in Table 237 below.

Table 237– DR Zone regulations

I Zoning Mechanisms	II Zone Provisions
(a) Minimum Lot Width (m)	No minimum
(b) Minimum Lot Area (m <sup>2</sup> )	No minimum
(c) Minimum Front Yard Setback (m)	7.5
(d) Minimum Rear Yard Setback (m)	7.5
(e) Minimum Interior Side Yard Setback (m)	7.5
(f) Minimum Corner Side Yard Setback (m)	7.5
(g) Maximum Height (m)	11
(h) Maximum Lot Coverage (%)	30

(3) For other applicable provisions, see Part 2-General Provisions, Part 3- Specific Use Provisions and Part 4- Parking, Queuing and Loading Provisions.

## Section 238 - DR Subzones

In the DR Zone, the following subzones apply:

### DR1 Subzone

(1) In the DR1 Subzone, the following use is also permitted:  
one detached **dwelling**

### DR2 Subzone

(2) In the DR2 Subzone, the following use is also permitted:

building or use operated by the City of Ottawa, the Government of Canada or the Government of Ontario or any agency thereof.

### DR3 Subzone

(3) In the DR3 Subzone, the following use is also permitted subject to the use being located on a lot abutting a public street if that public street existed as of June 25, 2008:  
detached dwelling (By-law 2013-58)

Table 238A– DR3 Zone provisions (By-law 2013-58)

I Zoning Mechanisms	II Provisions
(a) Minimum Lot Area (m <sup>2</sup> )	4000
(b) Minimum Lot Width (m)	20
(c) Minimum Front Yard Setback (m)	7.5
(d) Minimum Interior Side Yard Setback (m)	3
(e) Minimum Corner Side Yard Setback (m)	7.5
(f) Minimum Rear Yard Setback (m)	7.5
(g) Maximum Building Height (m)	11



## Part 14 - Other Zones (Sections 237 to 238)

The City of Ottawa Zoning By-law is made available on the web site for information, however confirmation on the zoning provisions should be sought through the City's development information officers (DIO), by contacting 311 and asking for the DIO for the geographic area in question.

This part contains the DR-Development Reserve Zone that applies to urban and suburban future growth areas and to the Developing Community designation of the Official Plan.