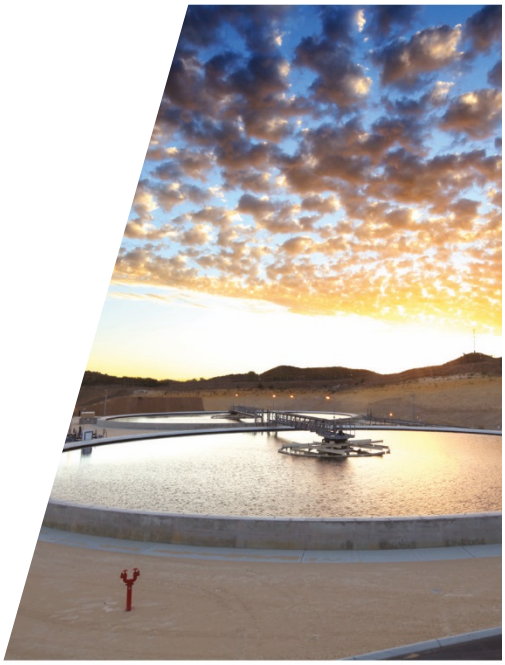
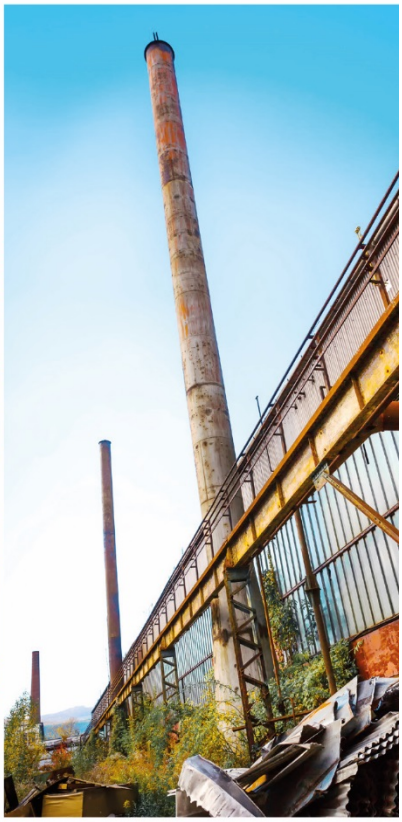


Phase One Environmental Site Assessment Undeveloped Property

8900 Jeanne d'Arc Boulevard and
100 Inlet Private
Ottawa, Ontario



Brigil Construction Inc.

Executive Summary

GHD was retained by Brigil Construction Inc. (Client), represented by Mr. Vincent Dénommé, to complete a Phase One Environmental Site Assessment (Phase One ESA) in general accordance with the O. Reg. 153/04 Phase One ESA format for the undeveloped property located at 8900 Jeanne d'Arc Boulevard and 100 Inlet Private in Ottawa, Ontario (Site or Phase One Property).

The Phase One ESA is being conducted as part of the local municipal planning department requirement associated with the development of the Site. The intended future use of the Site is residential use. The Phase One Property has municipal zoning of Residential Fifth Density Zone and therefore will not require zoning change.

No developed use of the Site was identified in this Phase One ESA. The Property was undeveloped/unoccupied at the time of the Site visit with the exception of a temporary gravel parking area on the west portion of the Site for undergoing construction activities at the adjacent property to the north. Overgrown vegetation was observed on the Site at the time of this assessment.

No potentially contaminating activities (PCAs) were identified on the Site. No areas of potential environmental concern (APECs) were identified for the Site from the past or current use of the subject land.

One off-Site PCA was identified on surrounding properties in the Phase One Study Area as part of this assessment. A Ministry of Transportation (MTO) facility (provincial works yard) was observed on the property located to the west of the Site, at 1125 Trim Road. Due to the proximity of the MTO yard to the Site and the estimated groundwater flow direction, the PCA identified is not considered to represent an area of potential environmental concern (APEC) to the Site.

Following the completion of the Phase One ESA for the subject Property, it is our opinion that a Phase Two Environmental Site Assessment is not required for the Site.

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1. Introduction

GHD was retained by Brigil Construction Inc. (Client), represented by Mr. Vincent Dénommé, to complete a Phase One Environmental Site Assessment (Phase One ESA) in general accordance with the O. Reg. 153/04 Phase One ESA format for the undeveloped Residentially Zoned property located at 8900 Jeanne d'Arc Boulevard and 100 Inlet Private in Ottawa, Ontario (Site or Phase One Property).

The property is located at Civic No. 8900 Jeanne d'Arc Boulevard and 100 Inlet Private in Ottawa, Ontario and is approximately 2.5 hectares in area. The approximate centre of the Site has Latitude and Longitude coordinates of 45° 29' 59" N, 75° 28' 43" W. The municipal zoning for the Site is currently Residential Fifth Density Zone.

The Site is legally described Part lots 28 and 29, Concession 1, Township of Cumberland, now in City of Ottawa. The property identification numbers associated with the site are 145380212 and 158360000.

The subject Property was undeveloped land since at least 1976 and remains undeveloped.

The Phase One Study area is serviced by municipally treated water and sewer systems and is in a non-potable groundwater area. Electrical and natural gas services are available from private utility companies.

The current owner of the Site is 6382924 Canada Inc. and Mr. Vincent Dénommé can be contacted on behalf of the owner of the Site. The Client office is located at 98 Rue Lois, Gatineau, Quebec, J8Y 3R7.

2. Scope of Investigation

The scope of GHD's investigation was detailed in GHD proposal dated April 24, 2018 (Ref: 11103730Dénommé-2). The project was approved by Mr. Jean-Luc Rivard.

This Phase One ESA was conducted following the guidelines set out in Ontario Regulation 153/04, as amended 2011 (O. Reg. 153/04), Records of Site Condition, Part XV.1 of the Environmental Protection Act.

The general objectives of this Phase One ESA were:

- 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 study area.
- To determine the need for a Phase Two Environmental Site Assessment.
- To provide a basis for carrying out any Phase Two Environmental Site Assessment.

This Phase One ESA included the following components:

- Historical records review
- Interviews

- Site reconnaissance
- An evaluation of the information gathered from the records review, interviews, and site reconnaissance.

3. Record Review

3.1 General

3.1.1 Phase One Study Area Determination

The Site is located within a mixed industrial, commercial, and residential area located in Ottawa, Ontario. The Site is immediately surrounded to the west and east by undeveloped land, to the south by Regional Road 174 followed by mixed commercial and a residential development, and to the north by two residential condominium buildings followed by the Ottawa River. The condominium buildings to the north of the Site have been constructed by the Client as part of phased development of the Site. The historical records and present operations of properties located within 250 m of the subject land were considered from an environmental perspective for the purposes of this report. Properties located outside of the Phase One Study Area (250 m radius from property boundaries) are typically not considered to have the potential to have impacted the subject land unless the Qualified Person deems an additional property should be included in the Phase One study area. A Site concept development plan, showing the boundaries of the Phase One Property and the proposed development, is included in Appendix A.

3.1.2 First Developed Use Determination

A land title search indicated that the Site was first owned by an individual (Louise Cardinal) since at least 1962. The land title search indicated a transfer to Elsett Realty Company Limited in 1962, who owned the Site until 2002; and to Cumberland Seniors Village Life Lease Non-Profit Residence Inc. who owned the Site from 2002 to 2005; followed by 6383009 Canada Inc. from 2005 to 2009; and to Videotron Ltd. from 2009 to 2016. The Site was transferred and registered to the current owner (6382924 Canada Inc.) in December of 2016. Aerial photographs from 1976 through 2017 show the Site to be undeveloped, vegetated or used for agricultural purposes.

Based on the information reviewed at the time of this Phase One ESA, no developed use of the Site was identified.

3.1.3 Fire Insurance Plans

Fire insurance plans (FIP) assist in the identification of historical land use and commonly indicate building layouts, detached structures, Site improvements, facility operations, names of tenants, the existence and location of boiler rooms, aboveground and underground storage tanks and adjoining property uses. GHD conducted a search for publicly available historical fire insurance plans for the Site and adjacent lands from the National Archives Library in Ottawa, Ontario.

No FIPs were available for the Site or neighbouring properties. No other fire insurance plans or reports were obtained by GHD or were provided by the Client for review.

3.1.4 Chain of Title

A request for an environmental chain of title search was submitted to Read Abstract Limited on behalf of GHD. The Phase One Property is legally described as Part lots 28 and 29, Concession 1, Township of Cumberland, now in City of Ottawa. The results of the title search and deviations in ownership of the Site are summarized in the Table below. A summary of the results of the search are included in Appendix B.

Table 3.1 Summary of Chain of Title

Year	Property Ownership
8900 Jeanne d'Arc Boulevard and 100 Inlet Private (Entire Site)	
Prior to 1962	Louise Cardinal
1962 to 2002	Elsett Realty Company Limited
2002 to 2005	Cumberland Seniors Village Life Lease Non-Profit Residence Inc.
2005 to 2009	6383009 Canada Inc.
2009 to 2016	Videotron Ltd.
December 22, 2016	6382924 Canada Inc.

The Phase One Property was first owned by an individual (Louise Cardinal) since at least 1962 when ownership of the subject Site was registered to Elsett Realty Company Limited, followed by Cumberland Seniors Village Life Lease Non-Profit Residence Inc., and then to 6383009 Canada Inc., and subsequently to Videotron Ltd. The Site was transferred to the current owner, 6382924 Canada Inc., in December 2016. There was no evidence suggesting potential environmental concerns with the subject Site identified through the review of the title of Site ownership.

3.1.5 Environmental Reports

No previous environmental studies for the Property were reported to have been undertaken.

3.2 Environmental Source Information

The following environmental source information was reviewed as part of this Phase One assessment.

National Pollutant Release Inventory

The database titled National Pollutant Release Inventory (NPRI) provides the results and data with respect of releases of pollutants into the natural environment as a result of industrial processes. Data is collected and updated online annually. A search of the NPRI was conducted through a subcontracted Ecolog Environmental ERIS search. The Site is not listed in the NPRI for any of the recorded years (1993-2014). No properties within 250 m of the Site are listed in the NPRI. A copy of the Ecolog ERIS Database Summary is included in Appendix C.

National PCB Inventory

The Ontario Inventory of PCB Storage Sites, January 1993 contains information on PCB Storage Sites in the Province of Ontario, which is collected under Ontario Regulation 362/90 by the district

and regional offices of the MOECC. The document is an inventory of known private and provincially-operated PCB storage sites as of January 1993. The document does not include Federal PCB storage sites, which are under Environment Canada jurisdiction. The Site was not listed in the Ontario Inventory of PCB Storage Sites report. No properties within 250 m of the Site were identified in the Ontario Inventory of PCB Storage Sites report. The PCB search was confirmed by the results of the subcontracted Ecolog Environmental ERIS search attached as Appendix C.

Environmental Approvals, Certificates and Instruments

A request was submitted to the Ministry of Environment and Climate Change (MOECC) under the Freedom of Information (FOI) and Protection of Privacy Act relating to the Site. The requested information included environmental approvals, certificates and instruments maintained by the Ministry for the Site or for properties that may directly influence the environmental condition of the Site. The MOECC response dated May 3, 2018 to the inquiries indicated that no records were located responsive to the request. The MOECC FOI search was confirmed by the results of the subcontracted Ecolog Environmental ERIS search. A copy of the MOECC response is included in Appendix D.

Inventory of Coal Gasification Plant Waste Sites in Ontario, April 1987

The report titled Inventory of Coal Gasification Plant Waste Sites in Ontario, April 1987 provides an inventory and preliminary assessment of the potential environmental impacts of 41 known manufactured gas plant waste sites in the Province of Ontario as of April 1987. Industrial facilities that utilized coal carbonization for manufacturing of gas, coke, ammonia and other products were address in this study. Finding(s):

- The Site is not listed in the Inventory of Coal Gasification Plant Waste Sites in Ontario, April 1987.
- There are no former coal gasification plants within 2.0 km of the Site listed in the Inventory of Coal Gasification Plant Waste Sites in Ontario, April 1987.

Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, November 1988

The report titled Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, November 1988 provides the results of an inventory and preliminary assessment of potential environmental impacts of 44 known industrial sites in Ontario which produced or used coal tar and related tars, as of November 1988. This report was prepared to continue the inventory and assessment process started by the Inventory of Coal Gasification Plant Waste Sites in Ontario, April 1987. Finding(s):

- The Site was not listed in the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, November 1988.
- There are no former Sites Producing or Using Coal Tar and Related Tars within 2.0 km of the Site listed in the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, November 1988.

Ministry Environmental Incident Records

A request was submitted to the Ministry of Environment and Climate Change (MOECC) under the Freedom of Information and Protection of Privacy Act relating to the Site. The requested information included environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the Ministry for the Site or for properties that may directly influence the environmental condition of the Site. The MOECC response dated May 3, 2018 to the inquiries, indicated that no records were located responsive to the request. The MOECC incident record search was confirmed by the results of the subcontracted Ecolog Environmental ERIS search.

Waste Management Records - Ontario Regulation 347 Waste Receivers and Generators

A request was submitted to the Ministry of Environment and Climate Change (MOECC) under the Freedom of Information and Protection of Privacy Act relating to the Site. The requested information included records of waste generators and receivers under O. Reg. 347 maintained by the Ministry for the Site or for properties that may directly influence the environmental condition of the Site. The MOECC response dated May 3, 2018 to the inquiries indicated that no records were located responsive to the request. The MOECC waste management record search was confirmed by the results of the subcontracted Ecolog Environmental ERIS search.

Environmental Reports Submitted to the MOECC

A request was submitted to the Ministry of Environment and Climate Change (MOECC) under the Freedom of Information and Protection of Privacy Act relating to the Site. The requested information included environmental reports submitted to the MOECC. The MOECC response dated May 3, 2018, to the inquiries indicated that no records were located responsive to the request.

Technical Standards and Safety Authority (TSSA) Database

A request was submitted by GHD to the Technical Standards and Safety Authority (TSSA) to search their databases for any records of storage tanks at the Site. An email response was received from the TSSA on April 30, 2018, indicating that there were three records in their database indicating underground storage tanks were previously at the adjacent property to the west but have been removed. Based on present and historical development of the adjacent property to the west, a provincial works yard, the USTs were located more than 200 m west of the Site and in an interpreted cross-gradient orientation with respect to the Site and are not considered to represent an Area of Potential Environmental Concern (APEC) for the Site. A copy of the TSSA response is included in Appendix D.

MOECC Notices, Instruments and Records of Site Condition

The Ministry of the Environment and Climate Change (MOECC) Brownfields Environmental Site Registry (ESR) was consulted for historical certificates and instrument compliance records and records of site condition (RSCs). The Site was not listed in the Brownfields ESR. No properties within 250 m were listed in the Brownfields ESR.

Areas of Natural and Scientific Interest

The Ministry of Natural Resources (MNR) Geographical Information System (GIS) mapping software was consulted by GHD to investigate areas of natural significance in the Phase One Study Area. No areas of natural significance were identified at the Site.

Petrie Island Wetland was identified approximately 120 m north and 170 m east of the Site, respectively. Cardinal Creek is located approximately 150 m south of the Site. The Ottawa River is located approximately 500 m north of the Site.

MOECC Waste Disposal Site Inventory, June 1991:

The MOECC *Waste Disposal Site Inventory June 1991* contains a list, prepared by the MOECC, of all known active and closed waste disposal sites in the Province of Ontario as of October 31, 1990. This document is a "working document", subject to continual revisions and updating. The document contains an active site inventory, a closed site inventory, a closed municipal coal gasification plant site inventory, and an inventory of industrial sites producing and using coal tars and related tars in Ontario. Finding(s):

- There are no active waste disposal sites listed within a 2.0 km radius of the Site listed in the MOECC Waste Disposal Site Inventory, June 1991.
- There are no closed waste disposal sites listed within a 2.0 km radius of the Site listed in the MOECC Waste Disposal Site Inventory, June 1991.

City Directories

City directories list occupant(s) at a site address for a specific year, and infer land use with respect to occupant history. GHD consulted National Archives Canada located in Ottawa, Ontario, for any publicly available historical city directories for intermittent years between 1992 and 2010. City directories for the rural areas of the City of Ottawa do not exist prior to 1992.

- According to the information obtained from the reviewed city directories, the subject addresses, 8900 Jeanne d'Arc Boulevard and 100 Inlet Private, were not identified.
- The adjacent neighbouring properties were listed for industrial, commercial, or residential use and in subsequent directories remained listed for these purposes. The property identified as 1125 Trim Road, adjacent west of the Site, was identified as a Ministry of Transportation facility. This activity represents a potentially contaminating activity - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems. Given the proximity of the developed portion of this property with respect to the Site (approximately 200 m west) and the interpreted groundwater flow direction to the north-northeast, it is not considered to represent an APEC for the Site.

Mapping and Assessment of Former Industrial Sites, City of Ottawa

The report titled Mapping and Assessment of Former Industrial Sites, City of Ottawa, July 1988 provides the results of an inventory and preliminary assessment of 177 known former industrial sites in the City of Ottawa, as of July 1988. The Site is not listed in the Mapping and Assessment of Former Industrial Sites, City of Ottawa, July 1988. No former industrial sites were identified within 250 m of the Site.

Summary of City of Ottawa Historic Land Use Inventory (HLUI)

A request was made to the City of Ottawa to review their Historic Land Use Inventory (HLUI). A response to the HLUI inquiries was received from the City of Ottawa on May 23, 2018. The search response indicated that there were no activities (of potential environmental concern) associated with the Subject Property however, three activities associated with properties located within 50 m of the Subject property indicated a Ministry of Transportation facility. As previously stated, this property is not suspected to have impacted the Site given the proximity to the Site and interpreted groundwater flow direction. A copy of the HLUI response from the City of Ottawa is contained in Appendix D.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Aerial photographs are reviewed to generally document development of the Site and properties in the vicinity of the Site. They identify potential waste disposal areas, storage activities, land filling, and other potential adverse environmental concerns on Site and in the immediate vicinity of the Site. Aerial photographs of the Site and surrounding area were obtained for intermittent years between 1976 and 2017 at the National Air Photograph Library located in Ottawa, Ontario. Comments for each photograph are presented on the following table.

Table 3.2 Aerial Photographs

Year	Site	Neighbouring Properties
1976	The subject Site is undeveloped and appears to be used for agricultural purposes with some treed and overgrown vegetation areas.	Neighbouring properties appear to be used for agricultural purposes. Regional Road 174 is present to the south of the Site. The adjacent property to the west of the Site appears be developed with two commercial buildings and a large paved parking lot area, similar to the current Ministry of Transportation facility. Cardinal Creek is visible to the south of the Site, and the Ottawa River is present approximately 500 m north of the Site.
1999	The Site is essentially unchanged from 1976.	Neighbouring properties are essentially unchanged from 1976 with the exception of Jeanne d'Arc Boulevard, which has been developed to the west, and Regional Road 174 to the south has been developed into a two lane highway. Increased commercial and residential development is apparent to the south of Regional Road 174.
2005	The Site is essentially unchanged from 1999.	Neighbouring properties are essentially unchanged from 1999.

Table 3.2 Aerial Photographs

Year	Site	Neighbouring Properties
2017	The Site is under development with what appears to be the development of Inlet Private and stockpiles of excavated fill.	Neighbouring properties are essentially unchanged from 2005 with the exception of the erection of a residential apartment building on the adjacent property to the north, the expansion of Jeanne d'Arc Boulevard into Inlet Private to the west, and continued increased commercial and residential development to the south of Regional Road 174.

Aerial photographs indicate the subject Site has been undeveloped between 1976 and 2017. The immediate neighbouring properties were developed for mixed industrial, commercial, and residential purposes with agricultural uses starting prior to 1976. Significant increases in residential development were observed in 1999. No obvious potential waste disposal areas or storage activities on Site or in the immediate vicinity of the Site were noted, although the scale of the aerial photographs did not permit an accurate interpretation of detailed features of the Site or the adjacent properties. Copies of the Aerial Photographs are presented in Appendix E.

3.3.2 Topography, Hydrology, Geology

A Topographic map was reviewed from the Ontario Ministry of Natural Resources and Forestry, and is provided in Figure 1. The mapping shows the Site to be situated in primarily residential setting. The mapping shows the topography in the Phase One Study Area sloping down to the north. The nearest surface water body indicated on the mapping is Cardinal Creek, located approximately 150 m south of the Site. Petrie Island Wetland was identified approximately 120 m north and 170 m east of the Site, respectively. The Ottawa River is located approximately 500 m north of the Site. No areas of potential environmental concern were identified from a review of the topographic map.

According to the information obtained from the Geological Survey of Canada map 1425A titled Surficial Materials and Terrain features Ottawa-Hull the natural soil conditions in the region appear to consist of "Abandoned River Channel Deposits of Silt and silty clay; commonly including lenses of sand and generally underlain at variable depth by stratified, buff, medium grained sand; un-fossiliferous; locally reworked into low dunes." The depths of overburden can vary significantly.

According to records from the water well information system and borehole databases, as presented in the results of the subcontracted Ecolog Environmental ERIS search, the overburden in the vicinity of the Site consist of clay type soils. The overburden soil was reportedly underlain by limestone bedrock at approximate depths of 8.0 m to greater than 20 m below ground surface.

3.3.3 Fill Materials

The Site has surface cover of grass/tree/scrub vegetation with a surficial granular gravel fill area used as a temporary construction parking area on the west portion of the Site; this parking area is being used for the ongoing construction activities on the adjacent property to the north. The Site is approximately level with Jeanne D'Arc Boulevard to the west, and Regional Road 174 to the south. A pile of concrete construction debris was observed on the south portion of the Site as well as stockpiled fill material was observed on the east portion of the Site; however, it was suspected that

the concrete construction debris and fill pile was piled at the Site during development of the adjacent properties to the north by the Client. Based on observations and discussion with the Client, the fill consists of stripped topsoil and excavated material from foundations of buildings on the adjacent property to the north, which have been constructed by the Client. The presence of imported fill material is not suspected on the Site.

3.3.4 Water Bodies and Areas of Natural Significance

The nearest surface water body is Cardinal Creek, located approximately 150 m south of the Site. The Ottawa River is located approximately 500 m north of the Site. Petrie Island Wetland was identified 120 m north and 170 m east of the Site as an area of natural and scientific interest within 250 m of the Site.

3.3.5 Well Records

A search was conducted of the MOECC Well Records Database which reported that there were no recorded water supply wells on-Site or on properties adjacent to the Site.

3.3.6 Site Operating Records

There were no Site operating records available for review following the specific request to the existing owner. Considering that the Site has never been occupied, it was not expected that such information exists.

4. Interviews

Mr. Jean-Luc Rivard (representing Brigil Construction Inc., the current Property owner) was interviewed at the time of this assessment. At the time of the interview, members of Brigil Construction Inc. have been familiar with the Phase One Property since 2007 as they have owned and have been developing the adjacent property to the north since at least 2008. Mr. Rivard stated that the Site had never been developed and was unaware of any environmental concerns, such as fuel storage tanks or spills at the Site. Mr. Rivard stated that construction is underway for a residential tower on the adjacent property to the north which is part of a larger portion of land owned by the Client. Construction activities have included construction of a temporary parking lot on the west portion of the Site and stockpiling excavated soil for foundation excavations on the east portion of the Site. Mr. Rivard stated that there were no fuel storage tanks or petroleum products stored or spills at the Site, no water wells on the Site. Mr. Rivard stated that the Site would be developed with connections to municipally treated water and the municipal sewer systems and private utilities such as natural gas and electricity.

No record of potential environmental concerns was noted at the time of interview with the present property owner.

5. Site Reconnaissance

5.1 General Requirements

GHD conducted a Site visit of the property on May 25, 2018 between 10:00 a.m. and 12:00 p.m. The Site visit was conducted by Mr. Luke Lopers, who has ten years experience conducting Phase One ESA inspections.

Weather conditions were overcast with an approximate temperature of 20°C. The Site ground surfaces were overgrown with vegetation or were gravel surfaced at the time of Site visit. The overgrown vegetation prevented direct observation of the ground surface in some areas.

The Site was undeveloped and unoccupied at the time of Site visit with the exception a granular gravel surfaced area on the west portion of the Site, which was used as a temporary parking area for the ongoing construction activities on the adjacent property to the north. The overall topography of the Site was sloped downward to the north, towards the Ottawa River. The Site was overgrown with grass vegetation. No areas of potential environmental concerns were noted on the Site at the time of Site visit.

Site photographs were taken at the time of the Site visit and are presented in Appendix F. Photographs 1 through 6 depict the Site and neighbouring properties.

5.2 Specific Observations at Phase One Property

5.2.1 On-Site Structures and Improvements

Above Ground Structures

There were no aboveground structures present on the Site at the time of the Site visit.

Below Ground Structures

There were no below ground structures present on the Site at the time of the Site visit.

Tanks

Above Ground Storage Tanks (ASTs)

The presence of former or current ASTs was not reported by the Site representative and was not observed by GHD at the time of the Site visit.

Underground Ground Storage Tanks (USTs)

No visual evidence (such as filler or vent pipes), suggesting the presence of current or former USTs, was observed by GHD during the Site visit. The presence of former or current USTs was not reported by the Site representative.

Water Sources

Municipal water services are supplied by underground services located on the adjacent municipal right of way, Jeanne d'Arc Boulevard, to the west and Inlet Private, to the north of the Site. No water

or sewer connections were reported to exist for the Site, and none are suspected as the Phase One Property consists of undeveloped land. No present day or historical water supply wells were observed on-Site during the Site visit.

5.2.2 Utility Corridors

Given that the subject Site is undeveloped and unoccupied, underground services are not expected to exist at the Site.

- Pole mounted electricity and telephone lines were observed along the south side of the Site, along Regional Road 174.

5.2.3 Building Features

Exit and Entry Points

The Site is presently undeveloped with no building or paved access. There is a temporary gravel granular fill parking area and roadway on the west portion of the Site.

Heating Systems

The Site is presently undeveloped with no building present. No former building heating systems are suspected to have been present on the Site.

Cooling Systems

The Site is presently undeveloped with no building present. No former building cooling systems are suspected to have been present on the Site.

Drains, Pits, and Sumps

No drains, pits, or sumps were observed at the Site.

Unidentified Substances

There were no visually obvious unidentified substances observed during the Site visit.

Interior Stains or Spills

There was no evidence of spills observed during the Site visit.

5.2.4 Site Features

Wells

No wells were observed to be present at the Site during the Site visit.

Sewage Works

There was no evidence of a septic system present on the property at the time of Site visit. There is no evidence suggesting a building was once present on the Site. The Site representative was not aware of a septic system being present.

Ground Surface

The Site was covered with overgrown vegetation and mature trees at the time of the Site visit.

Railway Lines

There are no railway lines on the subject Site. There are no active or historic railway lines within 250 m radius of the Phase One Property.

5.2.5 Environmental Site Observations

Staining

At the time of the Site visit, no visually obvious evidence of chemical or petroleum spills or releases associated with historical operations at the Site were observed.

Stressed Vegetation

No distressed vegetation, abnormal odours or visual evidence of contamination, suggesting the presence of chemical or petroleum spills or releases, were noted at the time of the Site visit.

Areas of Fill or Grading

The Site has surface cover of grass vegetation with the exception of a temporary gravel parking area on the west portion of the Site for undergoing construction activities at the adjacent property to the north. The Site is approximately level with Jeanne d'Arc Boulevard to the west, and Regional Road 174 to the south. A pile of concrete construction debris was observed on the south portion of the Site as well as stockpiled fill material was observed on the east portion of the Site; however, it was suspected that the concrete construction debris and fill pile at the Site as a result of development of the adjacent properties by the Client. It is suspected that the fill was stripped topsoil, and presence of imported fill material is not suspected on the Site; the Client representative confirmed that the fill would be removed as part of Site development.

Potentially Contaminating Activities

Potentially Contaminating Activities (PCAs) are listed in Ontario Regulation 153/04 Schedule D Table 2. There were no PCAs observed at the Site at the time of the Site visit.

Unidentified Substances

Unidentified substances were not observed on the Site during the Site visit.

5.2.6 Enhanced Investigation Property

According to Ontario Regulation 153/04 Schedule D 32(1)b, the Site is not classified as an 'Enhanced Property' for the purposes of this Phase One study.

5.2.7 Phase One Study Area (properties within 250 m)

At the time of Site visit, the properties adjacent to the Site were visually inspected for evidence of potentially contaminating activities (PCAs) that may result in areas of potential environmental concern (APECs) for the Site. The inspection was conducted from public right-of-ways without

physically accessing adjoining properties. At the time of Site visit, the area within 250 m of the Site is occupied by the following facilities or features:

- North | Two residential apartment condominiums, followed by parkland (river embankment) and Ottawa River.
- East | Overgrown vegetation, followed by a forested area.
- South | Regional Road 174 followed by mixed residential and commercial properties at Civic No. 1100 Regional Road 174.
- West | Overgrown vegetation, followed by the Ministry of Transportation facility at Civic No. 1125 Trim Road.

The Site and surrounding properties are located in a predominantly residential, commercial and industrial sector of the City of Ottawa. One off-Site PCA was identified on the adjacent property to the west. A Ministry of Transportation facility is located at 1125 Trim Road. Given the proximity of this property with respect to the Site (200 m) and the estimated groundwater flow direction (north towards the Ottawa River), it is not considered to represent an area of potential environmental concern (APEC) for the Site.

6. Review and Evaluation of Information

6.1 Current and Past Uses (Site)

Current and past land uses of the Site are summarized in the table below.

Table 6.1 Summary of Current and Past Use

Year	Name of Owner	Description of Property Use	Other Observations from Aerial Photos, Fire Insurance Plans. Etc.
Prior to 1962	Louise Cardinal	No reported use or occupancy of the Site. Suspected to have been undeveloped and used for agricultural purposes. (Agricultural or Other Use)	1976 to 2005 Aerial Photographs shows Site is undeveloped and/or used for agricultural purposes. Ownership registered to various corporations. (Aerial Photographs, Title Search)
1962 to 2002	Elsett Realty Company Limited		
2002 to 2005	Cumberland Seniors Village Life Lease Non-Profit Residence Inc.		
2005 to 2009	6383009 Canada Inc.		
2009 to 2016	Videotron Ltd.		
December 22, 2016	6382924 Canada Inc.	Site appears to be undeveloped and vacant with no developed use with the exception of a temporary gravel fill construction site parking area on the west portion of the Site for ongoing construction activities on the adjacent property to the north.	2005 to 2017 Aerial Photographs and Site visit indicated Site was undeveloped. Ownership registered to corporations. (Site Visit, Aerial Photographs, Title Search)

6.2 Potentially Contaminating Activities

6.2.1 Summary of On-Site Potential Contaminating Activities

No potentially contaminating activities (PCAs) were identified at the Site during this assessment.

6.2.2 Summary of Off-Site Potentially Contaminating Activities (Phase One Study Area)

Potentially Contaminating Activities (PCAs) are listed in Ontario Regulation 153/04 Schedule D Table 2.

During the Site Visit, GHD observed one off-Site PCA. A Ministry of Transportation facility was observed on the property located to the west of Site at 1125 Trim Road. Given the proximity of this property with respect to the Site (200 m) and the estimated groundwater flow direction (north to the Ottawa River), it is not considered to represent an area of potential environmental concern (APEC) for the Site.

6.3 Areas of Potential Environmental Concern

As previously noted, there were no potentially contaminating activities (PCAs) identified at the Site. Additionally, no PCAs located at properties in the Phase One Study area were considered to represent areas of potential environmental concern (APECs) for the Site, and as such, there were no APECs identified for the Site.

6.4 Phase One Conceptual Site Model

Three plans are provided as Figures for this report to depict the conceptual Site model. Figure 1: Site Location Map shows the location of the Site within the City of Ottawa. Figure 2: Site Plan shows the current configuration of the Site and Figure 3: Surrounding Land Use Plan shows the current configuration and uses of the neighbouring properties in the Phase One Study Area. The Site and surrounding properties are located in a predominantly residential, commercial and industrial sector of the City of Ottawa.

The property is located at Civic No. 8900 Jeanne d'Arc Boulevard and 100 Inlet Private in Ottawa, Ontario (Site or Property) and is approximately 2.5 hectares in area. The subject Property has been undeveloped land since at least 1976 and remains undeveloped. No developed use of the Site was identified in this Phase One ESA with the exception of a temporary gravel fill construction site parking area on the west portion of the Site for undergoing construction activities on the adjacent property to the north. The Property was undeveloped/unoccupied at the time of the Site visit and overgrown vegetation (grass/shrubs) was observed on the Site.

The nearest surface water body is Cardinal Creek located 150 m south of the Site. Petrie Island Wetland was identified approximately 120 m north and 170 m east of the Site, respectively. The Ottawa River is located approximately 500 m north of the Site.

No historic potable water wells were identified at the Site as part of the historical research and none were observed at the time of the Site visit. The topography in the Phase One Study Area slopes down towards the Ottawa River to the north. The Site is generally level at the property limits with the

adjacent properties. The soil conditions are expected to consist of topsoil underlain by silty clay over limestone bedrock at 7 to 25 m below ground surface (mBGS) and a water table, predicted to be near 1.5 to 3.0 mBGS.

The historical records and use and present operations of properties located within 250 m of the subject land were considered from an environmental perspective for the purposes of this report. Properties located outside of the Phase One Study Area (250 m radius) were not considered to have the potential to have impacted the subject land. No potentially contaminating activities (PCAs) were identified on the Site.

One off-Site PCA was identified on surrounding properties in the Phase One Study Area as part of this assessment. A Ministry of Transportation facility was observed on the property located to the west of Site at 1125 Trim Road. Given the proximity of this property with respect to the Site (200 m) and the estimated groundwater flow direction (north towards the Ottawa River), it is not considered to represent an area of potential environmental concern (APEC) for the Site.

The Site is located in an area of the City of Ottawa where municipally treated water is supplied and municipal sewer systems are present. Electrical and natural gas services are available from private utility companies. Given that no development was identified on the Site, the presence of underground services is not suspected, nor are they expected to have contributed to contaminant distribution on the subject land.

The absence or uncertainty of any information is not expected to affect the validity of the conceptual site model or the conclusions of this assessment.

7. Conclusions

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

No potentially contaminating activities (PCAs) were identified on the Site. No areas of potential environmental concern (APECs) were identified for the Site from the past or current use of the subject land.

This Phase One ESA identified the presence of one off-Site potentially contaminating activity. A Ministry of Transportation facility was observed on the property located to the west of Site at 1125 Trim Road. Given the proximity of this property with respect to the Site (200 m) and the estimated groundwater flow direction (north towards the Ottawa River), it is not considered to represent an area of potential environmental concern (APEC) for the Site.

Following the completion of the Phase One ESA for the subject Property, it is our opinion that a Phase Two Environmental Site Assessment is not required for the Site.

7.2 Record of Site Condition Based on Phase One Environmental Site Assessment Alone

The previous land use of the Site is agricultural or other land use. The proposed future use of the Site is residential land use. The proposed land use change will involve changing land use to a less stringent use and will not require a Record of Site Condition under Ontario Regulation 153/04.

7.3 QP Confirmation

The findings and conclusions of the Phase One Environmental Site Assessment are founded on the accuracy and reliability of the information obtained from all parties, unless contradicted by visual Site observations or written documentation.

The conclusions are presented based upon the readily available public information within the time frame of this mandate by trained professionals, following a prescribed and recognised assessment procedure.

This report is not intended to address, or provide comment on the presence, or absence of organic growth organisms commonly referred to as mould, through statements, inferences or omissions.

The report is prepared for the use of the Client in making an informed financial and business decision regarding environmental liabilities that may be associated with the Site. The use of this report for any other purpose is at the Client's own risk.

The Client must understand that changing circumstances in the physical or regulatory environment, the administration and use of the Site, as well as changes in any substances stored, used, or disposed of at the Site, could significantly alter the conclusions and information contained in this report. Therefore, it is important that the Client periodically re-evaluates the Site and reviews developments or operations, which may potentially impact the Site.

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

8. References

Canadian Standards Authority. Z768-01 (R2006) – Phase I Environmental Site Assessment. 2006.

Ministry of Environment. Environmental Protection Act, Ontario Regulation 153/04, Records of Site Condition, Part XV.I of the Act.

Ministry of Environment and Energy. Ontario Inventory of PCB Storage Sites, January 1993. Queen's Printer for Ontario, 1993.

Ministry of Environment. Waste Disposal Site Inventory, June 1991. Queen's Printer for Ontario, 1994.

Intera Technologies Ltd. Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume 1, April 1987. Queen's Printer for Ontario, 1989.

Intera Technologies Ltd. Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume 11, April 1987. Queen's Printer for Ontario, 1989.

Intera Technologies Ltd. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume 1, November 1988.

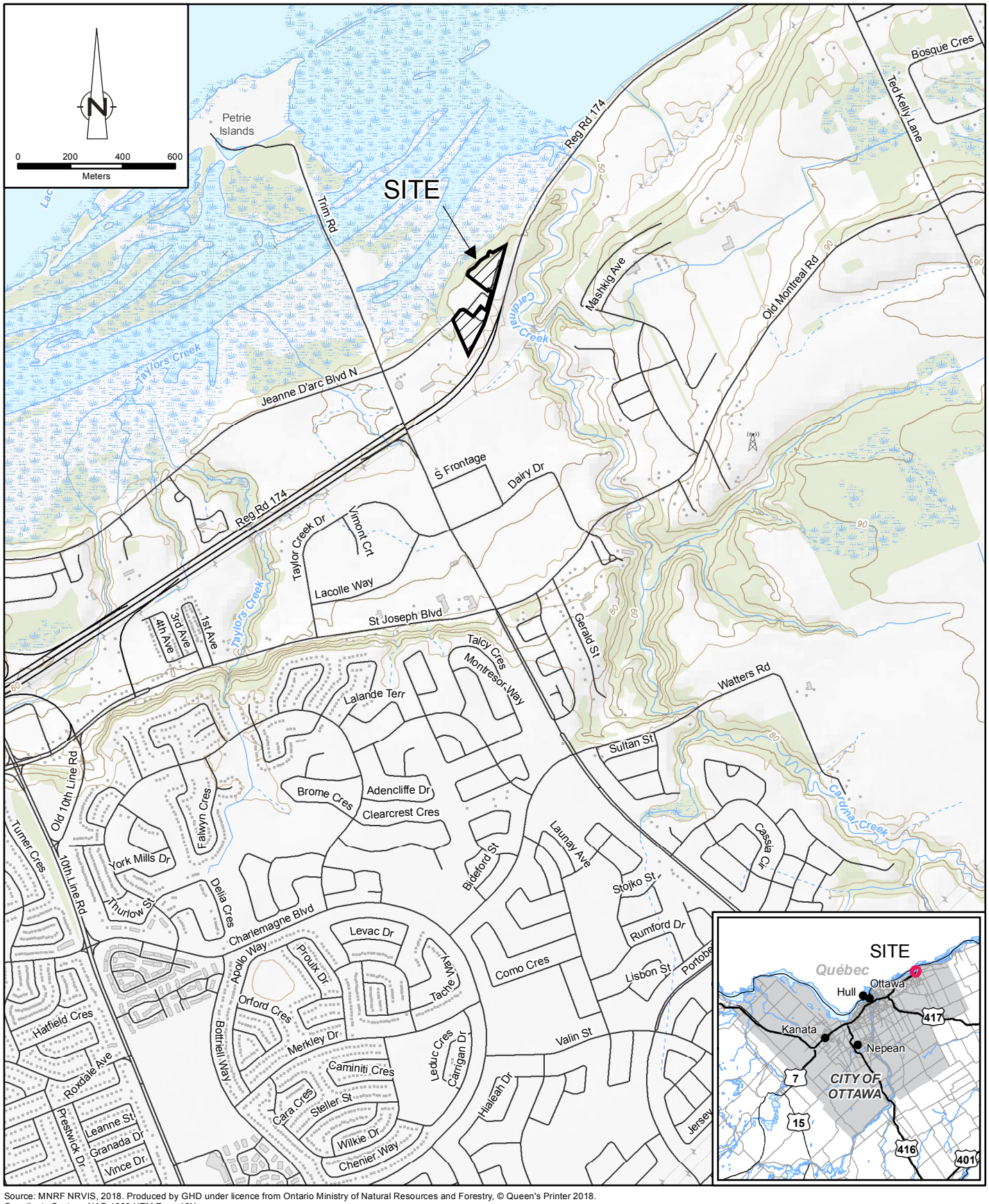
Intera Technologies Ltd. Mapping and Assessment of Former Industrial Sites, City of Ottawa, July 1988.

All of Which is Respectfully Submitted,

GHD

Luke Lopers, P. Eng., Q.P.$_{ESA}$

Kevin Emenau, P. Geo.



Source: MNRF NRVIS, 2018. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry, © Queen's Printer 2018.
Coordinate System: NAD 1983 UTM Zone 18N

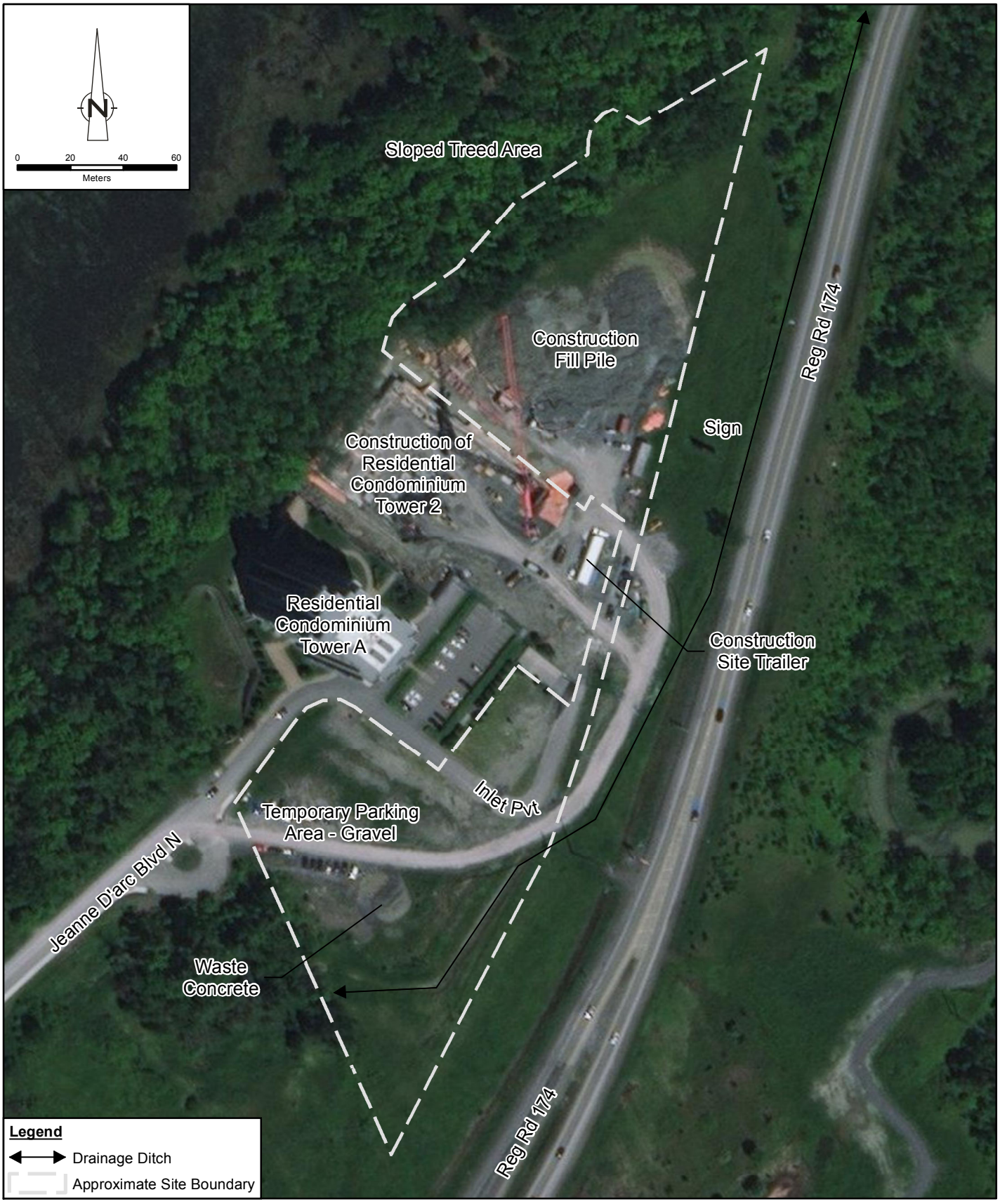
6382924 CANADA INC.
8900 JEANNE D'ARC BLVD AND 100 INLET PVT, OTTAWA, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

11162622
May 30, 2018

SITE LOCATION MAP

FIGURE 1

GIS File: Q:\GIS\PROJECTS\11162000s\11162622\Layouts\001\11162622-00(001)GIS-OT001.mxd



Source: ESRI Basemap Imagery, DigitalGlobe, WV02, Metro, 6/8/2017
Coordinate System: NAD 1983 UTM Zone 18N

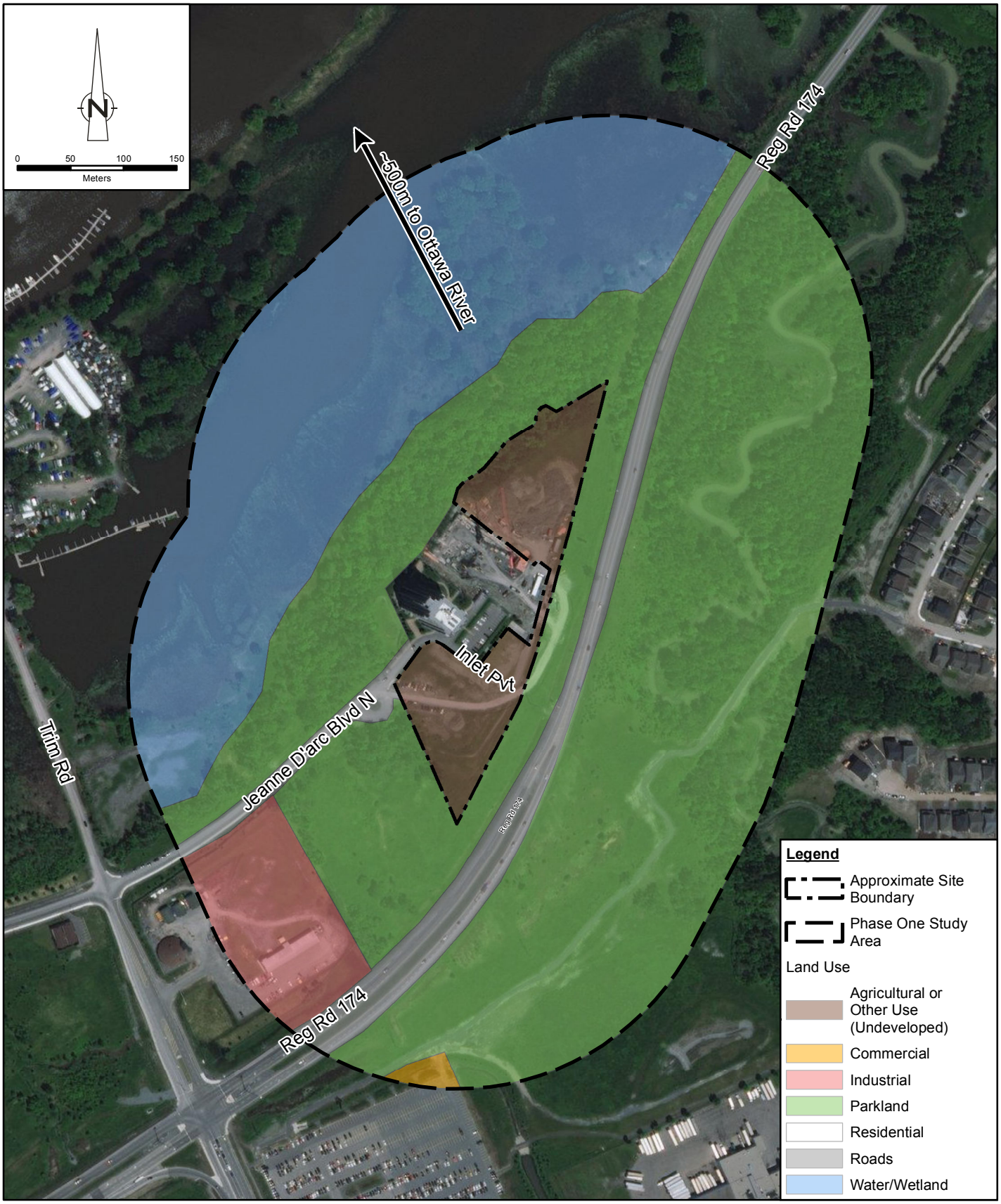
6382924 CANADA INC.
8900 JEANNE D'ARC BLVD AND 100 INLET PVT, OTTAWA, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

11162622
May 30, 2018

SITE PLAN

FIGURE 2

GIS File: Q:\GIS\PROJECTS\11162000s\11162622\Layouts\001\11162622-00(001)GIS-OT002.mxd



Source: ESRI Basemap Imagery, DigitalGlobe, WV02, Metro, 6/8/2017
Coordinate System: NAD 1983 UTM Zone 18N

6382924 CANADA INC.
8900 JEANNE D'ARC BLVD AND 100 INLET PVT, OTTAWA, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

11162622
May 31, 2018

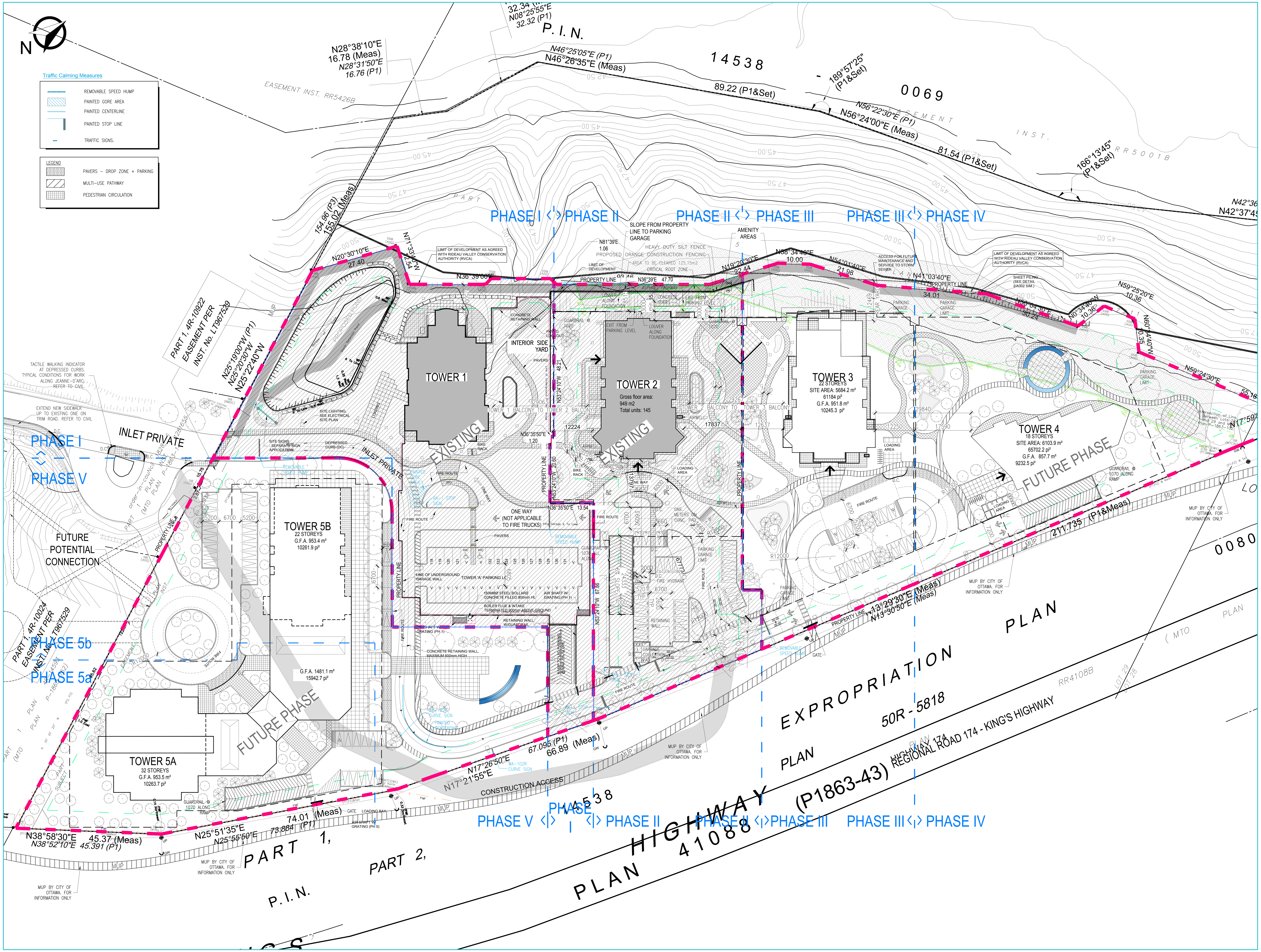
SURROUNDING LAND USE PLAN

FIGURE 3

GIS File: Q:\GIS\PROJECTS\11162000s\11162622\Layouts\001\11162622-00(001)GIS-OT003.mxd

Appendices

Appendix A
Plan of Survey



I:\P_11400\11467\CAD\11467 A100 Site Plan.dwg

NOTES GÉNÉRALES General Notes

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2. Les dimensions apparaissant aux documents devront êtres vérifiées par l'entrepreneur avant le début des travaux. / All dimensions which appear on the documents must be verify by the contractor before starting the work.
3. Veuillez aviser l'architecte de toute dimension erreur et/ou divergences entre ces documents et ceux des autres professionnels. / The architect must be notified of all errors, omissions and discrepancies between these documents and those of other professionnals.
4. Les dimensions sur ces documents doivent être lues et non mesurées. / The dimensions on these documents must be read and not measured.

ARCHITECTURE DE PAYSAGE Landscape architect

CIVIL Civil

ARCHITECTES Architect

NEUF architect(e)s SENCRL
630, boul. René-Lévesque O. 32e étage, Montréal QC H3B 1S6
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SCEAU Seal

NEUF ARCHITECT(E)S

CLIENT Client

BRIGIL

OUVRAGE Project

PETRIES LANDING I - TOWER 3

EMPLACEMENT Location: OTTAWA, ON

NO PROJET No.: 11467

NO	RÉVISION	DATE (aa.mm.jj)
A	FOR COORDINATION	2018.05.01
B	FOR COORDINATION	2018.06.01
C	FOR COORDINATION	2018.06.06

Préliminaire NE PAS UTILISER POUR CONSTRUCTION

DESSINÉ PAR Drawn by: O.C.

VÉRIFIÉ PAR Checked by: ANT.C/F.P.

DATE (aa.mm.jj): 18.06.06

ÉCHELLE Scale: 1:500

TITRE DU DESSIN Drawing Title

SITE PLAN CONCEPT

RÉVISION Revision: C

NO. DESSIN Dwg Number: A100

Appendix B
Environmental Search - Chain of Title

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

May 28, 2018

GHD
Att: Luke Lopers
Re: 100 Inlet Private

BRIEF DESCRIPTION OF LAND:

100 Inlet Private
Part lots 28 and 29, Con 1 OS, parts 4 to 12 and 26 on 4R24089
PIN: 14538-0211
Part lots 28 and 29, Con 1 OS, part 5 on 50R7211 save and except parts 4-26 on 4R24089 and parts 1 to 20 on 4R30923
PIN: 14538-0218

LAST REGISTERED OWNER: 6383009 CANADA INC.

CHAIN OF TITLE:

Deed 2540B registered Jan 11, 1962
From Estate of Louise Cardinal to Elsett Realty Company Limited

Deed OC131817 registered Oct 18, 2002
From Elsett Realty Company Limited to Cumberland Seniors Village Life Lease Non-Profit Residence Inc.

Deed OC515902 registered Sept 28, 2005
From Cumberland Seniors Village Life Lease Non- Profit Residence Inc. to 6383009 Canada Inc.

Lease OC1063397 registered Dec 18, 2009
From 6383009 Canada Inc. to Videotron Ltd.

Surrender of lease OC1856607 registered Dec 22, 2016
Re: Lease OC1063397

***Note that PIN 14538-0212 as referred to in our original emails was split into PINS 14538-0217 and 14538-0218. PIN 14538-0217 was transferred to 6382983 Canada Inc by deed OC1977326 on March 7, 2018.

Appendix C
Ecolog ERIS Database Summary

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase One ESA* *8900 Jeanne D'arc* *Ottawa ON*
Project No:	*11162622-E1*
Report Type:	*Standard Report*
Order No:	*20180426196*
Requested by:	*GHD Ltd.*
Date Completed:	*May 2, 2018*

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

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Phase One ESA* *8900 Jeanne D'arc Ottawa ON*
Project No:	*11162622-E1*

Coordinates:

Latitude:	*45.499937*
Longitude:	*-75.477841*
UTM Northing:	*5,038,600.50*
UTM Easting:	*462,667.78*
UTM Zone:	*UTM Zone 18T*

Elevation: *171 FT*
52.04 M

Order Information:

Order No:	*20180426196*
Date Requested:	*April 26, 2018*
Requested by:	*GHD Ltd.*
Report Type:	*Standard Report*

Historical/Products:

Land Title Search	*Historical Land Title Search*

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
NEBW	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
OGW	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	0	0	0
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	0	0
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	0	0
	Total:		0	2	2

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	CA	6383009 Canada Inc.	8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON	NW/68.0	-1.81	12
2	EHS		n/a Ottawa ON	NW/91.5	-1.98	12

Executive Summary: Summary By Data Source

CA - Certificates of Approval

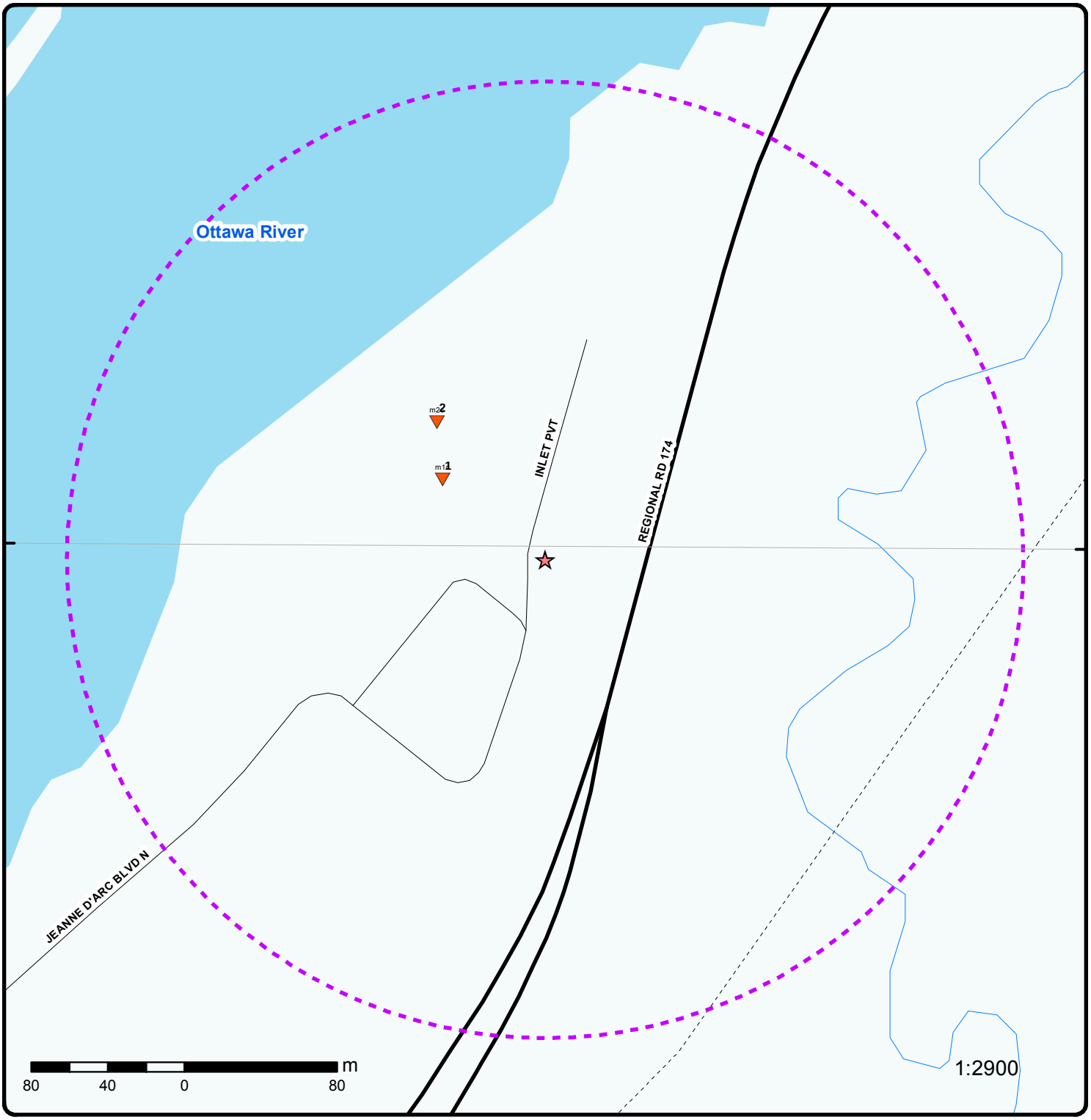
A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
6383009 Canada Inc.	8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON	NW	67.97	1

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	n/a Ottawa ON	NW	91.49	2



Map : 0.25 Kilometer Radius

Order No: 20180426196
Address: 8900 Jeanne D'arc, Ottawa, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation

- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road

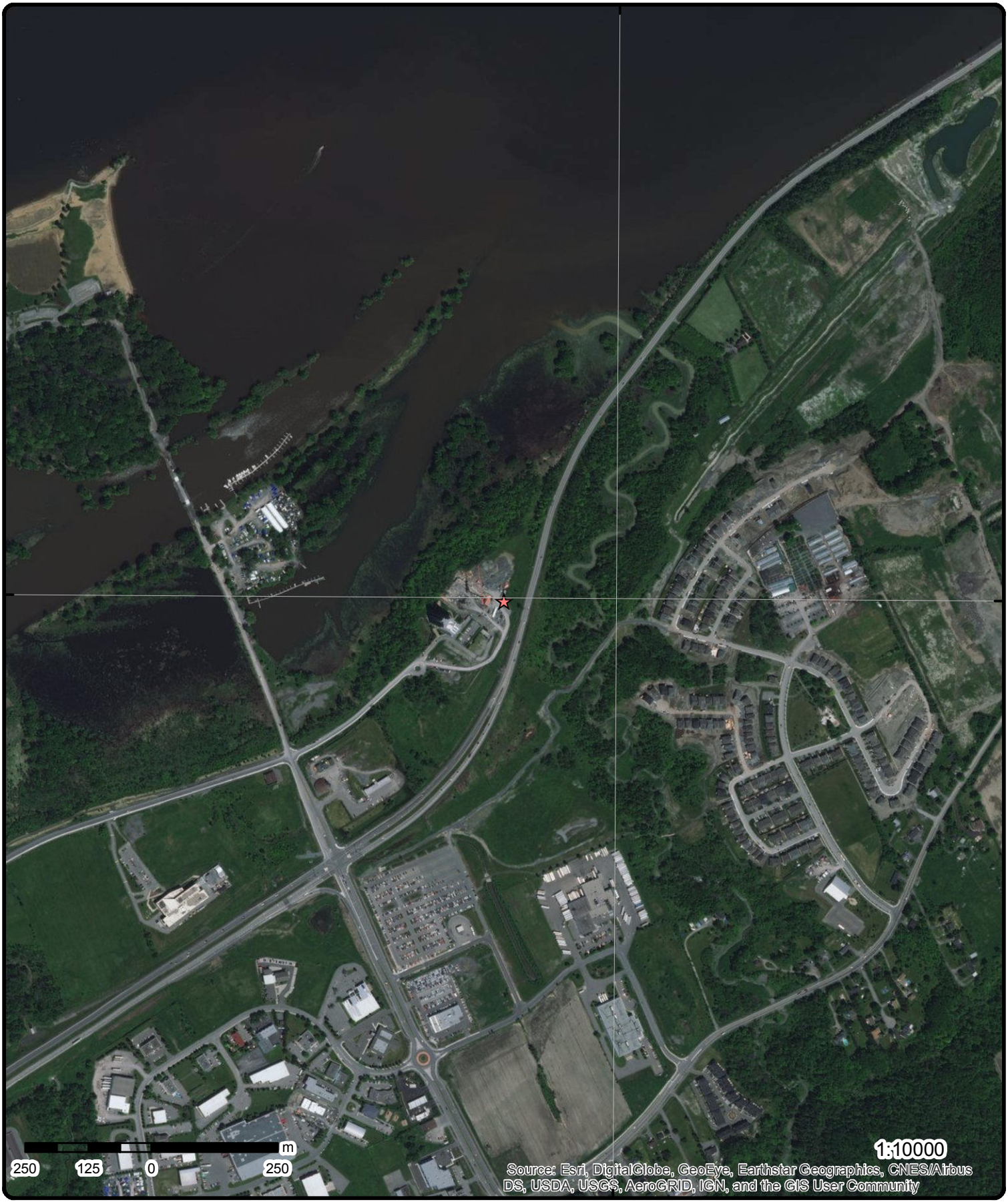
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line

- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

75°28'30"W

45°30'N



45°30'N

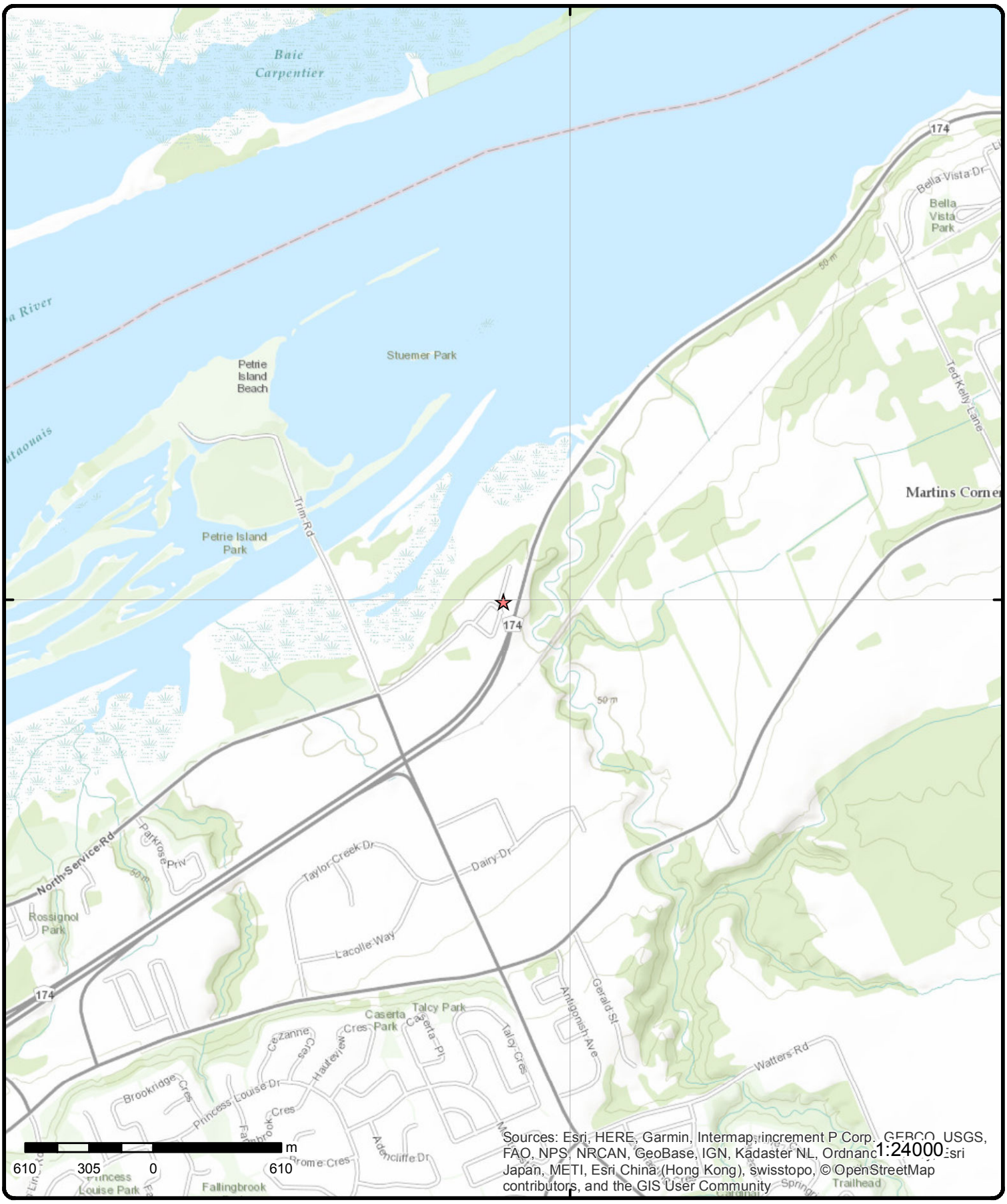
Aerial (2017)

Address: 8900 Jeanne D'arc, Ottawa, ON

Source: ESRI World Imagery

Order No: 20180426196

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 8900 Jeanne D'arc, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20180426196

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NW/68.0	50.2 / -1.81	6383009 Canada Inc. 8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON	CA

Certificate #: 5176-744QFM
Application Year: 2007
Issue Date: 6/17/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NW/91.5	50.1 / -1.98	n/a Ottawa ON	EHS

Order ID: 547891
Order No: 20171127127
Customer ID: 85450
Company ID: 155
Status: C
Report Code: 4CAN
Report Type: Custom Report
Report Date: 06-DEC-17
Report Requested by: WSP Canada Group Limited
Nearest Intersection:
Previous Site Name:
Additional Info Ordered:

Date Received: 27-NOV-17
Lot/Building Size:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
Large Radius: .3
X: -75.47857
Y: 45.500581

Unplottable Summary

Total: 19 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Regional Municipality of Ottawa-Carleton	JEANNE D'ARC BLVD.	CUMBERLAND TWP. ON	
SPL	City of Ottawa	JEAN D'ARC RD., NORTH OF HWY 174<UNOFFICIAL>	Ottawa ON	
SPL	City of Ottawa	Hwy 174 westbound	Ottawa ON	
SPL	City of Ottawa	Jeanne D'arc Blvd, westbound on-ramp	Ottawa ON	
SPL	City of Ottawa	Jeanne D'Arc westbound On-ramp to Hwy 174	Ottawa ON	
WWIS		lot 28	ON	
WWIS		lot 29	ON	
WWIS		lot 29	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	

Unplottable Report

Site: ***Regional Municipality of Ottawa-Carleton***
JEANNE D'ARC BLVD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-1384-92-
Application Year:	92
Issue Date:	10/14/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***City of Ottawa***
JEAN D'ARC RD., NORTH OF HWY 174<UNOFFICIAL> Ottawa ON

Database: ***SPL***

Ref No:	0881-6VWMXM	***Sector Type:***	Other Motor Vehicle
Contaminant Name:	COOLANT (N.O.S.)	***Source Type:***	
Contaminant Code:	27	***Receiving Medium:***	Land
Contaminant Limit 1:		***Receiving Env:***	
Contam Limit Freq 1:		***Environment Impact:***	Not Anticipated
Contaminant UN No 1:		***Nature of Impact:***	Soil Contamination
Contaminant Qty:	40 L	***SAC Action Class:***	
Material Group:	Chemicals	***Year:***	
MOE Reported Dt:	11/26/2006	***Site Address:***	
Health/Env Conseq:		***Site Conc:***	
Incident Dt:	11/26/2006	***Site Lot:***	
Incident Cause:	Other Discharges	***Site County/District:***	
Incident Event:		***Site Municipality:***	Ottawa
Incident Reason:		***Site Postal Code:***	
Incident Summary:	OC Transpo, 40 L coolant to rd,clnd up by City		

Site: ***City of Ottawa***
Hwy 174 westbound Ottawa ON

Database: ***SPL***

Ref No:	1861-72DJ2M	***Sector Type:***	Other Motor Vehicle
Contaminant Name:	COOLANT (N.O.S.)	***Source Type:***	
Contaminant Code:	27	***Receiving Medium:***	Land
Contaminant Limit 1:		***Receiving Env:***	
Contam Limit Freq 1:		***Environment Impact:***	Not Anticipated
Contaminant UN No 1:		***Nature of Impact:***	Soil Contamination
Contaminant Qty:	20 L	***SAC Action Class:***	
Material Group:	Chemicals	***Year:***	
MOE Reported Dt:	4/18/2007	***Site Address:***	
Health/Env Conseq:		***Site Conc:***	
Incident Dt:		***Site Lot:***	
Incident Cause:	Other Discharges	***Site County/District:***	
Incident Event:		***Site Municipality:***	Ottawa
Incident Reason:	Spill	***Site Postal Code:***	
Incident Summary:	OC Transpo: 15-20 L antifreeze to roadway		

Site: ***City of Ottawa***
Jeanne D'arc Blvd, westbound on-ramp Ottawa ON

Database: ***SPL***

Ref No:	7273-7DQGC7	***Sector Type:***	Other Motor Vehicle
Contaminant Name:	ETHYLENE GLYCOL (ANTIFREEZE)	***Source Type:***	
Contaminant Code:	24	***Receiving Medium:***	
Contaminant Limit 1:		***Receiving Env:***	
Contam Limit Freq 1:		***Environment Impact:***	Not Anticipated
Contaminant UN No 1:		***Nature of Impact:***	
Contaminant Qty:	10 L	***SAC Action Class:***	Watercourse Spills
Material Group:		***Year:***	
MOE Reported Dt:	4/15/2008	***Site Address:***	
Health/Env Conseq:		***Site Conc:***	
Incident Dt:		***Site Lot:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Site County/District:***	
Incident Event:		***Site Municipality:***	Ottawa
Incident Reason:	Equipment Failure	***Site Postal Code:***	
Incident Summary:	OC-Transpo -10L glycol to road/sewer		

Site: ***City of Ottawa***
Jeanne D'Arc westbound On-ramp to Hwy 174 Ottawa ON

Database: ***SPL***

Ref No:	6805-A82M9Z	***Sector Type:***	Miscellaneous Communal
Contaminant Name:	COOLANT N.O.S.	***Source Type:***	
Contaminant Code:	27	***Receiving Medium:***	
Contaminant Limit 1:		***Receiving Env:***	Land
Contam Limit Freq 1:		***Environment Impact:***	
Contaminant UN No 1:		***Nature of Impact:***	
Contaminant Qty:	60 L	***SAC Action Class:***	Land Spills
Material Group:		***Year:***	
MOE Reported Dt:	2016/03/14	***Site Address:***	Jeanne D'Arc westbound On-ramp to Hwy 174
Health/Env Conseq:		***Site Conc:***	
Incident Dt:	2016/03/14	***Site Lot:***	
Incident Cause:		***Site County/District:***	
Incident Event:	Leak/Break	***Site Municipality:***	Ottawa
Incident Reason:	Equipment Failure	***Site Postal Code:***	
Incident Summary:	OC Transpo: 60 L engine coolant to cb		

Site:
lot 28 ON

Database: ***WWIS***

Well ID:	1523637	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/28/1989
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	37628	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045411	***Spatial Status:***	
DP2BR:	89	***Cluster Kind:***	

Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 8/16/1989

Overburden and Bedrock Materials Interval

Formation ID: 931055305
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 9.00
Formation End Depth UOM: ft

Formation ID: 931055306
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 9.00
Formation End Depth: 24.00
Formation End Depth UOM: ft

Formation ID: 931055307
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 24.00
Formation End Depth: 73.00
Formation End Depth UOM: ft

Formation ID: 931055308
Layer: 4
Color: 8
General Color: BLACK
Mat1: 14
Most Common Material: HARDPAN
Mat2: 28
Other Materials: SAND
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 73.00

Formation End Depth: 89.00
Formation End Depth UOM: ft

Formation ID: 931055309
Layer: 5
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 89.00
Formation End Depth: 104.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523637
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593981
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079453
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 89.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523637
Pump Set At:
Static Level: 14.00
Final Level After Pumping: 92.00
Recommended Pump Depth: 100.00
Pumping Rate: 8.00
Flowing Rate:
Recommended Pump Rate: 5.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 40
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934105576

Test Type: Draw Down
Test Duration: 15
Test Level: 37.00
Test Level UOM: ft

Pump Test Detail ID: 934390222
Test Type: Draw Down
Test Duration: 30
Test Level: 82.00
Test Level UOM: ft

Pump Test Detail ID: 934650781
Test Type: Draw Down
Test Duration: 45
Test Level: 91.00
Test Level UOM: ft

Pump Test Detail ID: 934908406
Test Type: Draw Down
Test Duration: 60
Test Level: 92.00
Test Level UOM: ft

Water Details

Water ID: 933481979
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102.00
Water Found Depth UOM: ft

Site:
lot 29 ON

Database:
WWIS

Well ID: 1520503
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/18/1986
Selected Flag: 1
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042345
DP2BR: 4
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 5/11/1986

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931044951
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 4.00
Formation End Depth UOM: ft

Formation ID: 931044952
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4.00
Formation End Depth: 245.00
Formation End Depth UOM: ft

Formation ID: 931044953
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 245.00
Formation End Depth: 260.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109111
Layer: 1
Plug From: 0.00
Plug To: 44.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520503
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10590915
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930073890
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520503
Pump Set At:	
Static Level:	65.00
Final Level After Pumping:	185.00
Recommended Pump Depth:	240.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934111990
Test Type:	Draw Down
Test Duration:	15
Test Level:	90.00
Test Level UOM:	ft

Pump Test Detail ID:	934387273
Test Type:	Draw Down
Test Duration:	30
Test Level:	115.00
Test Level UOM:	ft

Pump Test Detail ID:	934648998
Test Type:	Draw Down
Test Duration:	45
Test Level:	185.00
Test Level UOM:	ft

Pump Test Detail ID:	934906078
Test Type:	Draw Down
Test Duration:	60
Test Level:	185.00
Test Level UOM:	ft

Water Details

Water ID: 933477761
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 255.00
Water Found Depth UOM: ft

Site:
lot 29 ON

Database:
WWIS

Well ID: 1528847
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 163378
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/29/1996
Selected Flag: 1
Abandonment Rec:
Contractor: 1414
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050383
DP2BR:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 12/14/1995

Overburden and Bedrock Materials Interval

Formation ID: 931070993
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 25.00
Formation End Depth UOM: ft

Formation ID: 931070994
Layer: 2
Color: 6

General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Other Materials: DENSE
Mat3:
Other Materials:
Formation Top Depth: 25.00
Formation End Depth: 235.00
Formation End Depth UOM: ft

Formation ID: 931070995
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 235.00
Formation End Depth: 252.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113805
Layer: 1
Plug From: 5.00
Plug To: 40.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528847
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10598953
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088060
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 250.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528847
Pump Set At:
Static Level: 12.00

Final Level After Pumping:	35.00
Recommended Pump Depth:	55.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	5.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934105737
Test Type:	
Test Duration:	15
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934388943
Test Type:	
Test Duration:	30
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934658537
Test Type:	
Test Duration:	45
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934907062
Test Type:	
Test Duration:	60
Test Level:	35.00
Test Level UOM:	ft

Water Details

Water ID:	933488714
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	250.00
Water Found Depth UOM:	ft

Site:
lot 28 ON

Database:
WWIS

Well ID:	1521841	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/22/1987
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	12546	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043654
DP2BR:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 9/24/1987

Overburden and Bedrock Materials Interval

Formation ID: 931049337
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 23.00
Formation End Depth UOM: ft

Formation ID: 931049338
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 23.00
Formation End Depth: 36.00
Formation End Depth UOM: ft

Formation ID: 931049339
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Other Materials: COARSE GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 36.00
Formation End Depth: 37.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961521841
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10592224
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930076274
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	37.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521841
Pump Set At:	
Static Level:	8.00
Final Level After Pumping:	17.00
Recommended Pump Depth:	32.00
Pumping Rate:	45.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	10
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934108135
Test Type:	Draw Down
Test Duration:	15
Test Level:	16.00
Test Level UOM:	ft

Pump Test Detail ID:	934391259
Test Type:	Draw Down
Test Duration:	30
Test Level:	17.00
Test Level UOM:	ft

Pump Test Detail ID:	934653378
Test Type:	Draw Down
Test Duration:	45
Test Level:	17.00
Test Level UOM:	ft

Pump Test Detail ID: 934910609
Test Type: Draw Down
Test Duration: 60
Test Level: 17.00
Test Level UOM: ft

Water Details

Water ID: 933479548
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 37.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1522253
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 12607
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/8/1988
Selected Flag: 1
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044066
DP2BR:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 2/1/1988

Overburden and Bedrock Materials Interval

Formation ID: 931050711
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:

Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 17.00
Formation End Depth UOM: ft

Formation ID: 931050712
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 17.00
Formation End Depth: 23.00
Formation End Depth UOM: ft

Formation ID: 931050713
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Other Materials: COARSE GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 23.00
Formation End Depth: 32.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522253
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592636
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077071
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 32.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522253
Pump Set At:
Static Level: 9.00

Final Level After Pumping:	24.00
Recommended Pump Depth:	25.00
Pumping Rate:	23.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934109361
Test Type:	Draw Down
Test Duration:	15
Test Level:	18.00
Test Level UOM:	ft

Pump Test Detail ID:	934385764
Test Type:	Draw Down
Test Duration:	30
Test Level:	24.00
Test Level UOM:	ft

Pump Test Detail ID:	934654595
Test Type:	Draw Down
Test Duration:	45
Test Level:	24.00
Test Level UOM:	ft

Pump Test Detail ID:	934903428
Test Type:	Draw Down
Test Duration:	60
Test Level:	24.00
Test Level UOM:	ft

Water Details

Water ID:	933480070
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.00
Water Found Depth UOM:	ft

Site:
lot 28 ON

Database:
WWIS

Well ID:	1523456	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/20/1989
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	37602	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045231
DP2BR:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 5/31/1989

Overburden and Bedrock Materials Interval

Formation ID: 931054675
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 6.00
Formation End Depth UOM: ft

Formation ID: 931054676
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6.00
Formation End Depth: 37.00
Formation End Depth UOM: ft

Formation ID: 931054677
Layer: 3
Color: 8
General Color: BLACK
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 37.00
Formation End Depth: 52.00
Formation End Depth UOM: ft

Formation ID: 931054678

Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 52.00
Formation End Depth: 54.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110312
Layer: 1
Plug From: 6.00
Plug To: 20.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523456
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593801
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079150
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 54.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523456
Pump Set At:
Static Level: 18.00
Final Level After Pumping: 43.00
Recommended Pump Depth: 48.00
Pumping Rate: 12.00
Flowing Rate:
Recommended Pump Rate: 6.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 50

Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934104982
Test Type: Draw Down
Test Duration: 15
Test Level: 29.00
Test Level UOM: ft

Pump Test Detail ID: 934389211
Test Type: Draw Down
Test Duration: 30
Test Level: 38.00
Test Level UOM: ft

Pump Test Detail ID: 934650192
Test Type: Draw Down
Test Duration: 45
Test Level: 43.00
Test Level UOM: ft

Pump Test Detail ID: 934907396
Test Type: Draw Down
Test Duration: 60
Test Level: 43.00
Test Level UOM: ft

Water Details

Water ID: 933481722
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 54.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database: ***WWIS***

Well ID: 1531002
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 191606
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/21/2000
Selected Flag: 1
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052536
DP2BR: 106
Code OB: r
Code OB Desc: Bedrock

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM

Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Location Method: na
Org CS:
Date Completed: 10/27/1999

Overburden and Bedrock Materials Interval

Formation ID: 931077215
Layer: 1
Color: 6
General Color: BROWN
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 4.00
Formation End Depth UOM: ft

Formation ID: 931077216
Layer: 2
Color: 4
General Color: GREEN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4.00
Formation End Depth: 18.00
Formation End Depth UOM: ft

Formation ID: 931077217
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Other Materials: CLAY
Mat3:
Other Materials:
Formation Top Depth: 18.00
Formation End Depth: 38.00
Formation End Depth UOM: ft

Formation ID: 931077218
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 38.00
Formation End Depth: 100.00
Formation End Depth UOM: ft

Formation ID: 931077219
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Other Materials: FINE SAND
Mat3:
Other Materials:
Formation Top Depth: 100.00
Formation End Depth: 106.00
Formation End Depth UOM: ft

Formation ID: 931077220
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 106.00
Formation End Depth: 108.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116179
Layer: 1
Plug From: 3.00
Plug To: 22.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531002
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10601106
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091783
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 110.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531002
Pump Set At:
Static Level: 15.00
Final Level After Pumping: 30.00
Recommended Pump Depth: 60.00
Pumping Rate: 30.00
Flowing Rate:
Recommended Pump Rate: 12.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934120579
Test Type: Draw Down
Test Duration: 15
Test Level: 25.00
Test Level UOM: ft

Pump Test Detail ID: 934395435
Test Type: Draw Down
Test Duration: 30
Test Level: 26.00
Test Level UOM: ft

Pump Test Detail ID: 934664717
Test Type: Draw Down
Test Duration: 45
Test Level: 30.00
Test Level UOM: ft

Pump Test Detail ID: 934903896
Test Type: Draw Down
Test Duration: 60
Test Level: 30.00
Test Level UOM: ft

Water Details

Water ID: 933491324
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 106.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database: ***WWIS***

Well ID: 1528721
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 139536
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:

Data Entry Status:
Data Src: 1
Date Received: 9/19/1995
Selected Flag: 1
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:

Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050257
DP2BR: 17
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 1/30/1995

Overburden and Bedrock Materials Interval

Formation ID: 931070582
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 4.00
Formation End Depth UOM: ft

Formation ID: 931070583
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 14
Other Materials: HARDPAN
Mat3: 12
Other Materials: STONES
Formation Top Depth: 4.00
Formation End Depth: 17.00
Formation End Depth UOM: ft

Formation ID: 931070584
Layer: 3
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 17.00

Formation End Depth: 20.00
Formation End Depth UOM: ft

Formation ID: 931070585
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 20.00
Formation End Depth: 61.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113662
Layer: 1
Plug From: 0.00
Plug To: 22.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528721
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10598827
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087834
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528721
Pump Set At:
Static Level: 6.00
Final Level After Pumping: 15.00
Recommended Pump Depth: 40.00
Pumping Rate: 30.00
Flowing Rate:
Recommended Pump Rate: 20.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934105216
Test Type: Draw Down
Test Duration: 15
Test Level: 15.00
Test Level UOM: ft

Pump Test Detail ID: 934388842
Test Type: Draw Down
Test Duration: 30
Test Level: 15.00
Test Level UOM: ft

Pump Test Detail ID: 934649359
Test Type: Draw Down
Test Duration: 45
Test Level: 15.00
Test Level UOM: ft

Pump Test Detail ID: 934906541
Test Type: Draw Down
Test Duration: 60
Test Level: 15.00
Test Level UOM: ft

Water Details

Water ID: 933488537
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database: ***WWIS***

Well ID: 1526147
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 095195
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/28/1992
Selected Flag: 1
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047880
DP2BR:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 3/31/1992

Overburden and Bedrock Materials Interval

Formation ID: 931063365
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 6.00
Formation End Depth UOM: ft

Formation ID: 931063366
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6.00
Formation End Depth: 61.00
Formation End Depth UOM: ft

Formation ID: 931063367
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 61.00
Formation End Depth: 68.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111547
Layer: 1
Plug From: 4.00
Plug To: 25.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961526147
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10596450
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930083817
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	68.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991526147
Pump Set At:	
Static Level:	24.00
Final Level After Pumping:	56.00
Recommended Pump Depth:	63.00
Pumping Rate:	11.00
Flowing Rate:	
Recommended Pump Rate:	6.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	20
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934106739
Test Type:	
Test Duration:	15
Test Level:	43.00
Test Level UOM:	ft
Pump Test Detail ID:	934390373
Test Type:	
Test Duration:	30
Test Level:	52.00
Test Level UOM:	ft
Pump Test Detail ID:	934650895
Test Type:	
Test Duration:	45
Test Level:	56.00
Test Level UOM:	ft

Pump Test Detail ID: 934908093
Test Type:
Test Duration: 60
Test Level: 56.00
Test Level UOM: ft

Water Details

Water ID: 933485366
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1525587
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 69591
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/12/1991
Selected Flag: 1
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047322
DP2BR: 17
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 8/22/1991

Overburden and Bedrock Materials Interval

Formation ID: 931061700
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 05

Other Materials: CLAY
Mat3: 12
Other Materials: STONES
Formation Top Depth: 0.00
Formation End Depth: 17.00
Formation End Depth UOM: ft

Formation ID: 931061701
Layer: 2
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 17.00
Formation End Depth: 21.00
Formation End Depth UOM: ft

Formation ID: 931061702
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 21.00
Formation End Depth: 230.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111310
Layer: 1
Plug From: 3.00
Plug To: 44.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525587
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595892
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082844
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To: 44.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525587
Pump Set At:
Static Level: 25.00
Final Level After Pumping: 125.00
Recommended Pump Depth: 150.00
Pumping Rate: 15.00
Flowing Rate:
Recommended Pump Rate: 10.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934104546
Test Type:
Test Duration: 15
Test Level: 50.00
Test Level UOM: ft

Pump Test Detail ID: 934388204
Test Type:
Test Duration: 30
Test Level: 75.00
Test Level UOM: ft

Pump Test Detail ID: 934649161
Test Type:
Test Duration: 45
Test Level: 100.00
Test Level UOM: ft

Pump Test Detail ID: 934906341
Test Type:
Test Duration: 60
Test Level: 125.00
Test Level UOM: ft

Water Details

Water ID: 933484624
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 225.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database: ***WWIS***

Well ID: 1525461
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply

Data Entry Status:
Data Src: 1
Date Received: 6/12/1991
Selected Flag: 1
Abandonment Rec:

Water Type:
Casing Material:
Audit No: 89569
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047199
DP2BR: 42
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 4/30/1991

Overburden and Bedrock Materials Interval

Formation ID: 931061219
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0.00
Formation End Depth: 40.00
Formation End Depth UOM: ft

Formation ID: 931061220
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 40.00
Formation End Depth: 42.00
Formation End Depth UOM: ft

Formation ID: 931061221
Layer: 3
Color: 8
General Color: BLACK

Mat1: 17
Most Common Material: SHALE
Mat2: 80
Other Materials: POROUS
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 42.00
Formation End Depth: 46.00
Formation End Depth UOM: ft

Formation ID: 931061222
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 46.00
Formation End Depth: 48.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111216
Layer: 1
Plug From: 0.00
Plug To: 20.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525461
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595769
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082638
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 46.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930082639
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 48.00

Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525461
Pump Set At:
Static Level: 7.00
Final Level After Pumping: 40.00
Recommended Pump Depth: 42.00
Pumping Rate: 20.00
Flowing Rate:
Recommended Pump Rate: 7.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934112284
Test Type:
Test Duration: 15
Test Level: 40.00
Test Level UOM: ft

Pump Test Detail ID: 934387688
Test Type:
Test Duration: 30
Test Level: 40.00
Test Level UOM: ft

Pump Test Detail ID: 934648645
Test Type:
Test Duration: 45
Test Level: 40.00
Test Level UOM: ft

Pump Test Detail ID: 934905825
Test Type:
Test Duration: 60
Test Level: 40.00
Test Level UOM: ft

Water Details

Water ID: 933484460
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1523902
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 10/12/1989
Selected Flag: 1
Abandonment Rec:
Contractor: 1517

Casing Material:		***Form Version:***	1
Audit No:	44243	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045674	***Spatial Status:***	
DP2BR:	31	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	9
Code OB Desc:	Bedrock	***UTMRC Desc:***	unknown UTM
Open Hole:		***Location Method:***	na
Elevation:		***Org CS:***	
Elevrc:		***Date Completed:***	9/6/1989
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931056143
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	11.00
Formation End Depth UOM:	ft

Formation ID:	931056144
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	11.00
Formation End Depth:	26.00
Formation End Depth UOM:	ft

Formation ID:	931056145
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11

Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 26.00
Formation End Depth: 31.00
Formation End Depth UOM: ft

Formation ID: 931056146
Layer: 4
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 31.00
Formation End Depth: 45.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110472
Layer: 1
Plug From: 2.00
Plug To: 31.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523902
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10594244
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079943
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 31.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523902
Pump Set At:
Static Level:
Final Level After Pumping: 35.00
Recommended Pump Depth: 35.00

Pumping Rate: 50.00
Flowing Rate:
Recommended Pump Rate: 30.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934106663
Test Type:
Test Duration: 15
Test Level: 28.00
Test Level UOM: ft

Pump Test Detail ID: 934390892
Test Type:
Test Duration: 30
Test Level: 30.00
Test Level UOM: ft

Pump Test Detail ID: 934651866
Test Type:
Test Duration: 45
Test Level: 35.00
Test Level UOM: ft

Pump Test Detail ID: 934909070
Test Type:
Test Duration: 60
Test Level: 35.00
Test Level UOM: ft

Water Details

Water ID: 933482339
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 42.00
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1523901
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 44263
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src: 1
Date Received: 10/12/1989
Selected Flag: 1
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045673
DP2BR: 35
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 9/6/1989

Overburden and Bedrock Materials Interval

Formation ID: 931056139
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 12.00
Formation End Depth UOM: ft

Formation ID: 931056140
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 12.00
Formation End Depth: 27.00
Formation End Depth UOM: ft

Formation ID: 931056141
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 12
Other Materials: STONES
Formation Top Depth: 27.00
Formation End Depth: 35.00
Formation End Depth UOM: ft

Formation ID: 931056142
Layer: 4
Color: 8

General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 35.00
Formation End Depth: 50.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110471
Layer: 1
Plug From: 2.00
Plug To: 35.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523901
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10594243
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079942
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 35.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523901
Pump Set At:
Static Level:
Final Level After Pumping: 30.00
Recommended Pump Depth: 35.00
Pumping Rate: 45.00
Flowing Rate:
Recommended Pump Rate: 25.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID:	934106662
Test Type:	
Test Duration:	15
Test Level:	25.00
Test Level UOM:	ft
Pump Test Detail ID:	934390891
Test Type:	
Test Duration:	30
Test Level:	28.00
Test Level UOM:	ft
Pump Test Detail ID:	934651865
Test Type:	
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934909069
Test Type:	
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft

Water Details

Water ID:	933482338
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48.00
Water Found Depth UOM:	ft

Site:
lot 28 ON

Database:
WWIS

Well ID:	1523827	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Public	***Date Received:***	9/11/1989
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	37633	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045600	***Spatial Status:***	
DP2BR:	69	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	9
Code OB Desc:	Bedrock	***UTMRC Desc:***	unknown UTM
Open Hole:		***Location Method:***	na
Elevation:		***Org CS:***	

Elevrc: ***Date Completed:*** 8/28/1989
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931055871
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 28.00
Formation End Depth UOM: ft

Formation ID: 931055872
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 28.00
Formation End Depth: 57.00
Formation End Depth UOM: ft

Formation ID: 931055873
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 57.00
Formation End Depth: 69.00
Formation End Depth UOM: ft

Formation ID: 931055874
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 69.00
Formation End Depth: 93.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110430
Layer: 1
Plug From: 6.00
Plug To: 25.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523827
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10594170
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079817
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 69.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523827
Pump Set At:
Static Level: 54.00
Final Level After Pumping: 71.00
Recommended Pump Depth: 88.00
Pumping Rate: 29.00
Flowing Rate:
Recommended Pump Rate: 10.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 35
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934106599
Test Type: Draw Down
Test Duration: 15
Test Level: 64.00
Test Level UOM: ft

Pump Test Detail ID: 934390829
Test Type: Draw Down
Test Duration: 30

Test Level: 70.00
Test Level UOM: ft

Pump Test Detail ID: 934651803
Test Type: Draw Down
Test Duration: 45
Test Level: 71.00
Test Level UOM: ft

Pump Test Detail ID: 934909009
Test Type: Draw Down
Test Duration: 60
Test Level: 71.00
Test Level UOM: ft

Water Details

Water ID: 933482239
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.00
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2017

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-Nov 2016

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

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2018

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2018

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 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2017

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-Feb 28, 2018

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-Nov 30, 2017

Dry Cleaning Facilities: Federal DRYCLEANERS

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 2016

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-Jan 31, 2018

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-Feb 28, 2018

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-Jan 31, 2018

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-Feb 28, 2018

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

List of TSSA Expired Facilities: Provincial EXP

List of facilities with removed tanks which were once 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 automatically fall under the expired facilities inventory held by TSSA.

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-Dec 2017

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 2017

Fuel Storage Tank: Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

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-December 31, 2017

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents: Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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

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, 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. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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: Dec 31, 2013

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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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, 2017

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2017

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, 2016

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-Aug 2010

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 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-Dec 31, 2017

National Energy Board Wells: Federal NEBW

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 OGW

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

Government Publication Date: 1988-December 31, 2017

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-Oct 2017

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-Feb 28, 2018

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

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-Aug 2017

TSSA Pipeline Incidents: Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

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-Feb 28, 2018

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-Nov 2017

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2018

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-Sep 2017

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, 2016

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 2017

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.

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-Jan 31, 2018

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: Mar 31, 2017

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix D
Environmental Regulatory Correspondence

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

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

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

May 3, 2018

Natasha Monnon
GHD
179 Colonnade Drive, Suite 400
Ottawa, ON K2E 7J4

Dear Natasha Monnon:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2018-02845, Your Reference 11162622-E1

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 100 Inlet Private & 8900 Jeanne d'Arc Boulevard, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment.**

To conduct a search through the files of the Environmental Assessment and Permissions Branch requires an additional 8 hours. If you would like us to search for Environmental Compliance Approvals/Certificates of Approval at the Environmental Assessment and Permissions Branch (EAPB), please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of $240.00. Please note that there is no guarantee any records will be located responsive to your request. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the search conducted at the Environmental Assessment and Permissions Branch, the time for answering your request will be extended for an additional 30 days.

When remitting payment please quote our file number or attach a copy of this letter.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Nasreen Salar at nasreen.salfar@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

File Number: D06-03-18-0003

May 23, 2018

GHD Limited
400 – 179 Colonnade Road
Ottawa, Ontario
K2E 7J4

Sent via email [natasha.monnon@ghd.com]

Dear GHD Limited,

Re: Information Request
100 Inlet Private, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

- No information was returned on the Subject Property from Departmental circulation.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The search revealed the following:

- There are three (3) activities associated with properties located within 50m of the Subject Property: Activity Numbers 11328, 6476, and 11338.

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
Téléc: (613) 560-6006
www.ottawa.ca

A site map has 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 keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

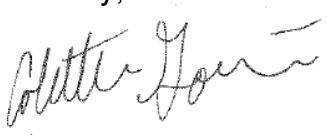
Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

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

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

If you have any further questions or comments, please contact Colette Gorni at 613-580-2424 ext. 21690or HLUI@ottawa.ca

Sincerely,



Colette Gorni

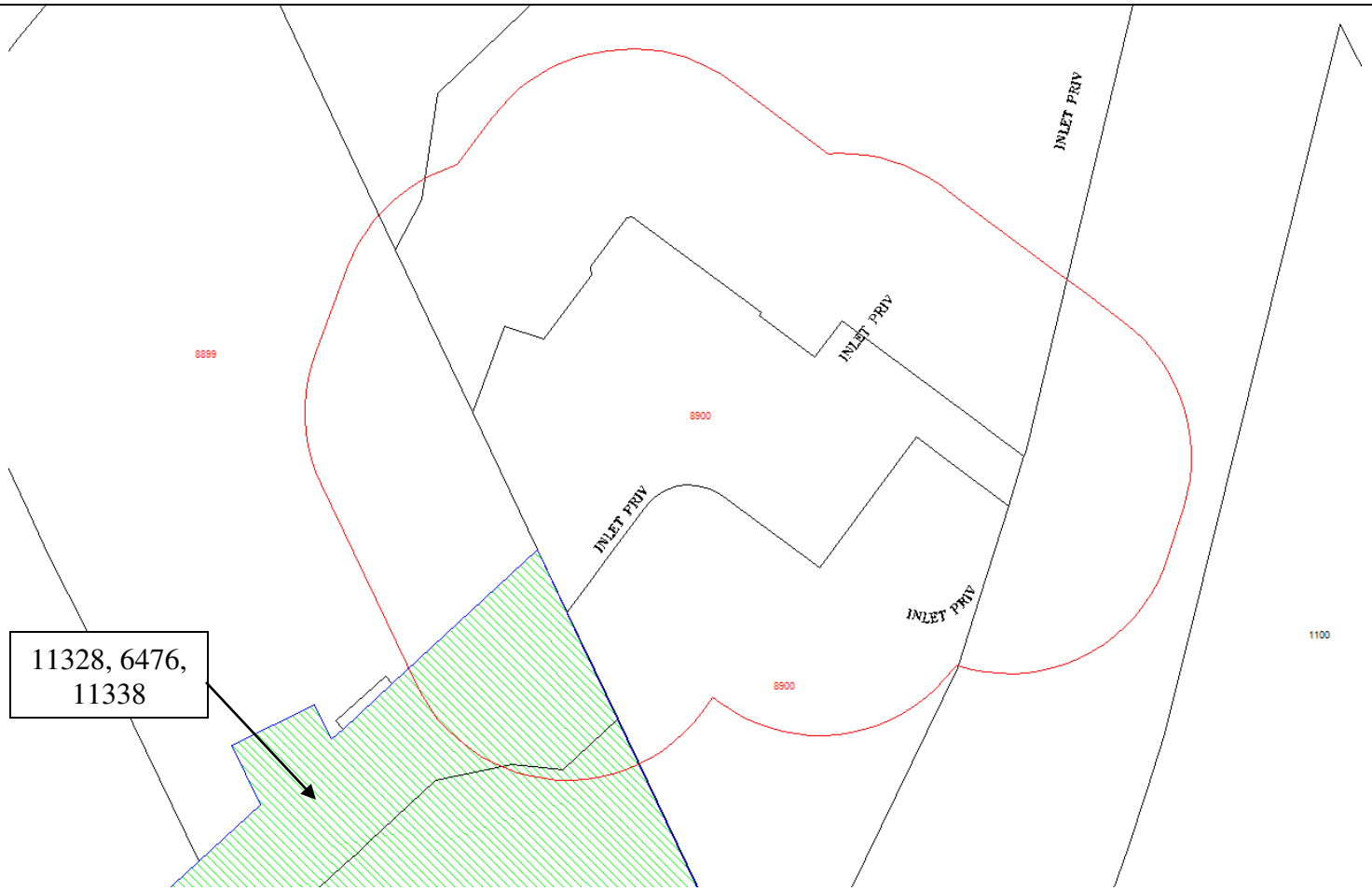
Per:

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

MB/ CG

Attach: 2

cc: File no. D06-03-18-0003



Scale 1: n/a	100 Inlet Private Ottawa, ON File # D06-03-18-0003 Colette Gorni Ottawa	Overview ID# = Activity Identification Number = Subject Site

CITY OF OTTAWA

HLUI ID: __670HJG

AREA (Square Metres): 76234.682

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	145380071	Y	Y

Activity ID: 11328 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6476

Related PINS: 145380071

Name: PROVINCE OF ONTARIO MINISTRY OF TRANSPORTATION

Address: TRIM ROAD, CUMBERLAND

Facility Type: Motor Vehicles, Wholesale

Comments 1: Located on the north east corner of Trim rd. and Regional Rd. 17

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: MC Staff, 19/02/99

HL References 2:

HL References 3:

NAICS	SIC
415110	551
562920	499
811111	551
415120	551
493120	479
493130	479
221320	499
415190	551
493190	479
811310	551
221330	499
562210	499
562990	499

Company Name	Year of Operation
Province of Ontario Ministry of Transportation	c. 1999

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	145380071	Y	Y

Activity ID: 11338 **Multiple PINS:** N

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

Related PINS: 145380071

Name: PROV-MTO

Address: 1125 TRIM ROAD, CUMBERLAND

Facility Type: Human Resources Administration

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

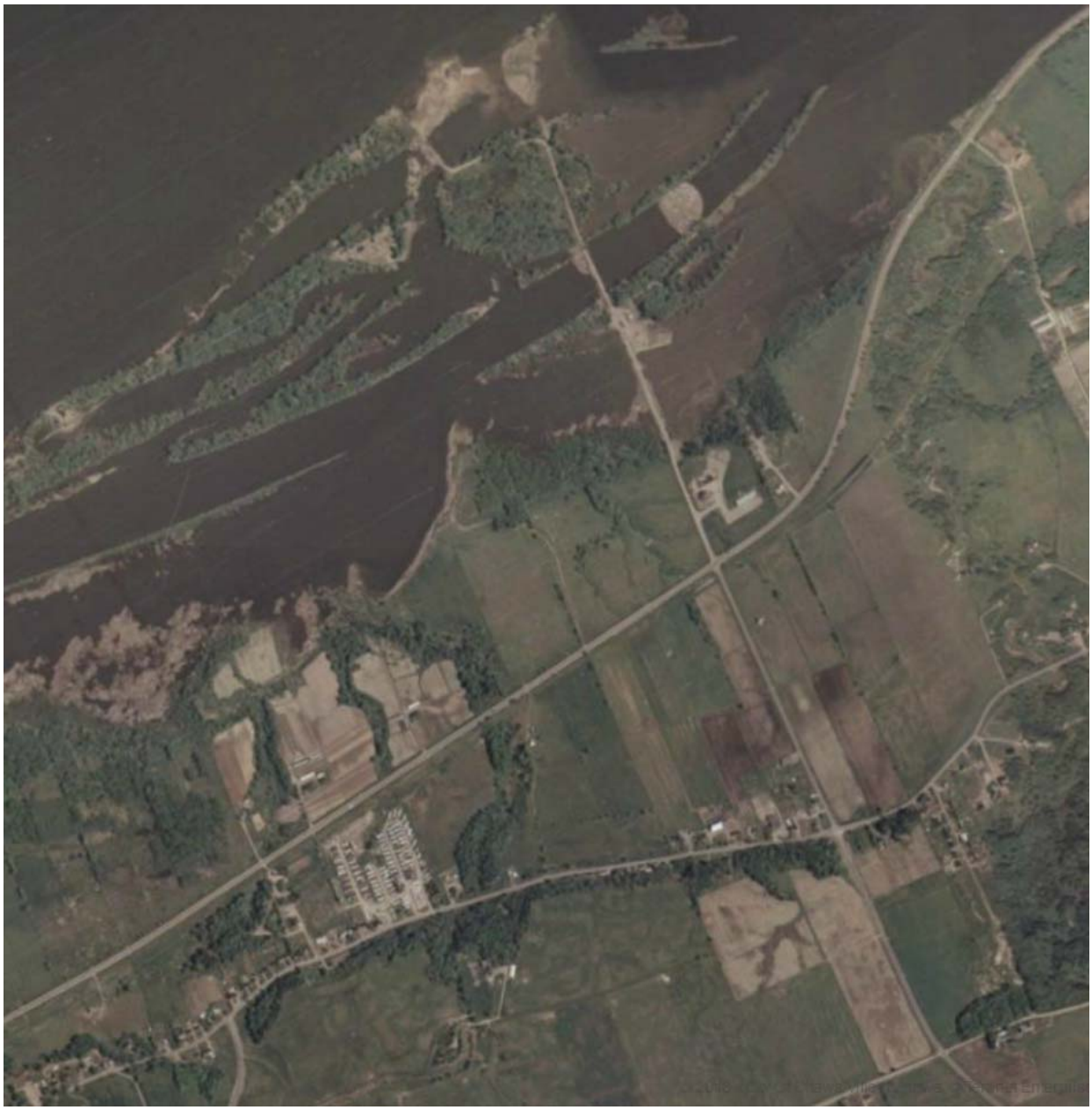
HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
912910	0

Company Name	Year of Operation
PROV-MTO	c. 2001

Appendix E
Aerial Photographs



Year 1976

Aerial Photographs

Year 1999

Year 2005

Aerial Photographs

Year 2017

Aerial Photographs

Appendix F
Site Photographs

Photo 1 - View of the south portion of the Site facing south. View depicts temporary piles of construction debris and overgrown vegetation.

Photo 2 - View of the east portion of the Site facing east. View depicts overgrown vegetation area.

Photo 3 - View of the west portion of the Site facing west. View depicts overgrown vegetation and neighboring properties to the north under construction (residential condos).

Photo 4 - View of the north portion of the Site facing east. View depicts temporary granular gravel fill as construction parking area.

Photo 5 - View of the northeast portion of the Site. View depicts sloped forested area towards the Ottawa River; view is facing north.

Photo 6 - View of the north portion of the Site. View depicts the neighboring properties to the north (residential condos); view is facing east.

about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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