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Phase I-Environmental Site Assessment

Southern Portion of 1009 Trim Road
Ottawa, Ontario

Prepared For

Starwood Group Inc.

August 17, 2020

Report: PE4886-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Starwood Group Inc. to conduct a Phase I-Environmental Site Assessment (ESA) for the southern portion of 1009 Trim Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has never been developed. The aerial photographs from the last 3 decades show that fill material was imported on-site. Historical use of the neighbouring lands included agricultural lands and the Ministry of Transportation (MTO) Yard (1125 Trim Road) that consisted of bulk storing of road salt and fuel storage tanks.

A Phase I ESA and Phase II ESA were completed by WSP in 2016. Based on the findings of the Phase I ESA, the importation of fill material on-site and activities associated with the MTO Yard were considered potentially contaminating activities (PCAs) that represented areas of potential environmental concern (APECs) on the Phase I Property. A subsequent Phase II ESA was completed to address the aforementioned APECs.

Soil and groundwater samples were retrieved and submitted for benzene, toluene, ethylbenzene and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons fractions F1 to F4 (PHCs, F1-F4) and metals as well as electrical conductivity (EC) and sodium adsorption ratio (SAR) analyses. Based on the analytical test results, the fill material on-site was impacted with metals, PAHs, PHC-F2 and EC/SAR. Groundwater samples from MW16-1 through MW16-6 were collected and submitted for BTEX, PAHs, PHCs (F1-F4) and metals analyses. Based on these test results, groundwater contained elevated levels of chloride in excess of the applicable site standards. Soil and groundwater remediation were recommended at that time. No further work has been completed on-site since 2016. The APECs previously identified on the Phase I Property remain areas of concern.

Following the historical research, a site visit was conducted. The Phase I Property remains undeveloped. No PCAs were identified with the current use of the Phase I Property.

Neighbouring land use in the Phase I Study Area consisted primarily of commercial with some residential land use. A salt dome located at 1125 Trim Road, which was previously identified remains an APEC on the Phase I Property. No additional APECs were identified on the Phase I Study Area.

Recommendations

Based on the findings of our assessment, it is **our opinion that a Phase II-Environmental Site Assessment is required for the subject property.**

1.0 INTRODUCTION

At the request of Starwood Group Inc., Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the vacant, southern portion of 1009 Trim Road, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and properties within the Phase I Study Area to identify any potentially contaminating activities that would result in areas of potential environmental concern on the Phase I Property.

Paterson was engaged to conduct this Phase I-ESA by Mr. Martin Chenier acting on behalf of Starwood Group Inc. The head office of Starwood Group Inc. is located at 188 Eglinton Avenue East, Suite 800, Toronto, Ontario. The Starwood Group Inc. can be reached by telephone at (416) 482-4822.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of our findings and results of the environmental conditions at this site.

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended, under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	Vacant or southern portion of 1009 Trim Road, Ottawa, Ontario
Legal Description:	Part of Lot 30, Concession 1 OS. Parts 3 and 4 on 50R6869, in the City of Ottawa.
Property Identification Number (PIN):	14538-0075
Location:	The site is located on the northeast corner of the Trim Road and Jeanne d'Arc Boulevard Intersection, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 25' 27" N, 75° 38' 3.89" W

Site Description:

Configuration:	Irregular
Area:	33,459 m^2 (approximately)
Zoning:	DR – Rural Development Zone with the Ottawa River Flood Plain overlying the northern portion of the site.
Current Use:	The Phase I Property is undeveloped vacant land situated in the Petrie Island Wetland, a provincially significant area.
Services:	The Phase I Property is situated in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject properties, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on historical review, the Phase I Property has never been developed.

National Archives

Fire Insurance Plans (FIPs) are not available for the Phase I Property or the Phase I Study Area.

City directories were reviewed from 2000/01 to 2011. It should be noted that the directories were not available prior to the amalgamation of the City of Ottawa in 2000.

Based on the directories, the Phase I Property was not listed. Neighbouring lands were listed as a combination of commercial and residential from 2000/01 to 2011.

No historical potentially contaminating activities (PCAs) were identified during the directories review.

Chain of Title

Paterson verified the current land title for the Phase I Property, 1009 Trim Road. The chain of title was reviewed for the Phase I Property, referred to as Part of Lot 30, Concession 1 OS Cumberland, Parts 3 and 4 on 50R6869, in the City of Ottawa.

The Phase I Property was first registered in 1961 and owned by Her Majesty the Queen in Right of the Province of Ontario. In 1990, the ownership was transferred to Rita, Pierre, Yves, and Helen Grandmaitre and Diane Lajoie, followed by a landownership change in 2014, which included Pierre, Yves and Helen Grandmaitre and Diane Lajoie. In 2017, the land ownership was transferred from the Grandmaitre's Family to 7351275 Ontario Canada Inc., whom are the current landowners.

Based on the review of the chain of title in combination with the historical information, no potentially contaminating activities (PCAs) were identified during the chain of title review. A copy of the chain of title is attached in Appendix 2.

Previous Engineering Reports

- ❒ *"Phase One Environmental Site Assessment – Part of Lot 3, Concession 1, Parts 1 & 2, Cumberland, Ontario (1009 Trim Road),"* prepared by WSP, dated March 2016.

Based on the Phase I ESA report, one on-site potentially contaminating activity (PCA) was identifed and two (2) off-site PCAs located at 1125 Trim Road, resulted in areas of potential environmental concern (APECs):

- APEC 1 – Resulting of fill material of an unknown quality imported on-site in the 1980s, 2009 and 2014, which significantly increased the original ground level.
- APEC 2 – Resulting from gasoline storage tanks and bulk storage of road salt (salt dome) at 1125 Trim Road (property to the south, across Jeanne d'Arc Boulevard).

A subsequent Phase II ESA was conducted to address the APECs on the Phase I Property.

- ❒ *"Phase Two Environmental Site Assessment – Part of Lot 3, Concession 1, Parts 1 & 2, Cumberland, Ontario (1009 Trim Road),"* prepared by WSP, dated September 2016.

Based on the Phase II ESA, six (6) boreholes were drilled across the subject land as well as four (4) test pits to assess the APECs. Soil samples at locations MW16-5, MW16-6, and TP-1 through TP-4 were retrieved and submitted for benzene, toluene, ethylbenzene and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons fractions F1 to F4 (PHCs, F1-F4) and metals as well as electrical conductivity (EC) and sodium adsorption ratio (SAR) analyses. Based on the analytical test results, the fill material on-site was impacted with metals, PAHs, PHC-F2 and EC/SAR.

Groundwater samples from MW16-1 through MW16-6 were collected and submitted for BTEX, PAHs, PHCs (F1-F4) and metals analyses. Based on these test results, groundwater contained elevated levels of chloride in excess of the applicable site standards.

Soil and groundwater remediation were recommended prior or during site development.

It should be noted that no further work has been completed on the Phase I Property since the 2016 Phase II ESA and as such, the APECs identified on the Phase I Property remain areas of concern to the Phase I Property.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on July 16, 2020. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I Study Area.

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

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the properties. At the time of issuing this report, a response had not been received from the MECP. Although an ERIS search has been acquired. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Instruments

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. At the time of issuing this report, a response had not been received from the MECP. Although an ERIS search has been acquired. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. At the time of issuing this report, a response had not been received from the MECP. Although an ERIS search has been acquired. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. At the time of issuing this report, a response had not been received from the MECP. Although an ERIS search has been acquired. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the subject site or properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. Based on the MECP Waste Disposal Site Inventory, no records pertaining to active or closed waste disposal sites were identified within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on July 8, 2020.

The search revealed that the northern portion of the Phase I Property is situated in a Provincially significant wetland, referred to Petrie Island Wetland. No other areas of natural significance or features were identified within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

An ERIS search was conducted in lieu of contacting the TSSA, Fuels Safety Branch in Toronto to inquire about current and former underground storage tanks, spills and incidents on the Phase I property and properties within a 250 m search radius.

According to the ERIS search, there are no TSSA related records for the Phase I Property. There were, however, records pertaining to Petrie Island Marina addressed 1009 Trim Road, located 75 m north of the subject land. These TSSA records included two (2) gasoline spills of 870 L and 25 L from a submerged boat and vehicle, respectively, into the Ottawa River and a retail fuel outlet. Based on the separation distances, these PCAs are not considered to represent APECs on the Phase I Property. Additionally, expired private fuel tanks were identified at the MTO Yard at 1125 Trim Road, approximately 100 m south of the subject land. Based on the upgradient orientation, the former fuel storage tanks at 1125 Trim Road are considered to represent an APEC on the Phase I Property. A copy of the ERIS Report is included in Appendix 2.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. One closed landfill, Cu-13 (Petrie Island landfill) was identified in the aera, approximately 200 m from the northern portion of 1009 Trim Road, which is outside the 250 search radius of the southern portion of 1009 Trim Road (Phase I Property).

City of Ottawa Historical Land Use Inventory (HLUI)

A search request for the City of Ottawa’s Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. Based on the HLUI response, the subject land is located approximately 200 m from the historical Petrie Island Landfill. However, as previously discussed, the historical landfill is approximately 270 m northwest of the subject land. Based on the separation distance, the former landfill is not considered to represent an APEC on the Phase I Property. The HLUI2005 database did not identify any activities associated with the Phase I Property.

Three (3) activities were identified on properties within the study area: two (2) activities were identifed at 795 Trim Road as a machinery and equipment rental and leasing company and at 1125 Trim Road as an MTO Yard. As previously discussed in this report, the latter is considered to represent an APEC based on the activities that occupied on the property.

The activity identifed at 795 Trim Road is not considered a PCA and as such, does not represent an APEC. A copy of the HLUI response is included in Appendix 2.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area.

Based on the ERIS search, there are no records identified for the Phase I Property.

Several records from various databases were identified in the ERIS search for properties within the Phase I Study Area, which included Certificates of Approval (CAs), Environmental Compliance Approvals (ECAs), Ontario Waste Generators and Ontario Spills Registry for properties within the 250 m search radius. The majority of these records were identified at 1125 Trim Road, approximately 100 m south of the subject land. These records included a minor spill, TSSA related records and waste generator records pertaining to a former on-site vehicle repair garage and waste by-products from the salt dome. As previously discussed, the activities associated with this particular property are considered to represent an APEC on the Phase I Property.

The remaining records were identified for properties located 300m or more away from the subject land and as such, are not considered to pose any risk to the Phase I Property. A copy of the report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. Based on the review, the following observations have been made:

1921 The subject site is vacant and undeveloped land at this time. Surrounding lands appear to be occupied by either farmsteads or agricultural fields.

1955 No significant changes are apparent on the subject site or the surrounding lands.

1969 No significant changes are apparent on the subject site or the surrounding lands, with the exception that Trim Road and the MTO Yard/facility are present at this time.

1979	No significant changes are apparent on the subject site or the surrounding lands.
1999	The subject site appears to have been stripped of topsoil and/or fill material placed on-site. Jeanne d'Arc Boulevard can be seen to the south, followed by a the MTO facility, while the remaining lands on neighbouring properties remain unchanged.
2008	No significant changes are apparent on the subject site or the surrounding lands.
2017	The subject site and neighbouring lands appear unchanged from the previous photograph, with the exception of the college campus south of Jeanne d'Arc Boulevard.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and attached mapping, the site is situated within the St. Lawrence Lowlands, Till Plains (Drumlinized) physiographic region. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." Mapping shows the subject site as situated on an area of till.

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 50 m ASL, and that the regional topography in the general area of the site slopes downwards in a northerly direction towards the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, the bedrock in the area of the subject site consists of interbedded limestone and dolomite of the Gull River Formation.

Based on the maps, the surficial geology consists of offshore marine sediments with an overburden thickness ranging from 15 to 25 m.

Water Well Records

A well record search was conducted on August 12, 2020 for all drilled wells within 250 m of the subject site. The search returned nine (9) well records, three (3) of which were domestic wells and six (6) monitoring well records (as a cluster) within the 250 m search radius.

No well records were found for the Phase I Property.

The six (6) monitoring well records (as a cluster) were drilled in 2010 and were identified for the neighbouring property to the south at 1125 Trim Road. No other relevant information was provided in these records. Three (3) domestic well records were also located on 1125 Trim Road. These wells were drilled from 1954 to 1961 at depths ranging from 25.3 to 32 mbgs. Although there were no abandoned well records that pertained to these domestic well records, it is expected that wells on this neighbouring property as well as the study area are no longer in use as the Phase I Study Area serviced by the municipality.

Based on these domestic well records, the stratigraphy in the immediate area of the Phase I Property generally consists of clay, underlain by limestone bedrock. A copy of the well records has been included in Appendix 2.

Areas of Natural Significance and Water Bodies

The northern portion of the Phase I Property is situated in a Provincially significant wetland with the Ottawa River located immediately north of the Phase I Property. No other areas of natural significance or bodies of water were identified in the Phase I Study Area.

Fill Placement

Based on the historical review of the Phase I Property, fill material of an unknown quality was imported on the subject land from the 1990s to 2014. As previously discussed in this report, the importation of fill material on-site remains an APEC on the Phase I Property.

5.0 INTERVIEWS

Property Owner Representatives

Mr. Yves Grandmaitre, a family member who currently holds a stake in the property at 1009 Trim Road was interviewed via email on July 9, 2020. The Grandmaitre family has owned the property since the late 1950s. According to Mr. Yves Grandmaitre, the land has never been formally developed. Mr. Grandmaitre is unaware of any potential environmental concerns aside from 'granular' fill imported on-site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on July 8, 2020. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessments. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observations at the Phase I Property

Site Features

The Phase I Property is accessible from a gravelled laneway fronting Trim Road on the northwestern side of the property. The northern half of the site is at a significantly lower grade than the southern half of the site, which is a result of imported fill material on-site. The northern half of the site is designated as a provincially significant wetland, covered in tall brush, while the southern half is gravel covered with vegetation and a treeline along the southern property boundary. Several monitoring wells were present on the southern half of the site.

The site and regional topography slope down towards the north to the Ottawa River. Site drainage consists of infiltration.

No buildings, structures or evidence of an AST or UST were present on-site at the time of the site visit. No evidence of current or former railway or spur lines was observed on the subject property at the time of the site visit. No areas of ponded water, stained pavement, stressed vegetation or unidentified substances were observed on-site at the time of the site visit.

Buildings and Structures

No buildings or structures are present on the Phase I Property.

Fuel and Chemical Storage

No signs of an AST, UST or chemicals were noted at the time of the site visit, nor are any to be expected on-site.

Wastewater Discharge and Waste Management

No waste or wastewater is produced on-site.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. There are presently no underground utilities on the property. There are, however, several groundwater monitoring wells on-site.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site is as follows:

- North: Ottawa River, followed by commercial land use (Petri Island Marine, retail store and cafe);
- South: Jeanne d'Arc Boulevard, followed by the government yard/facility;
- East: Vacant and treed land; and
- West: Trim Road, followed by vacant treed wetland.

Land use within the Phase I Study Area (250 m radius) consists primarily of commercial or vacant. The MTO yard at 1125 Trim Road is occupied by a salt dome which is considered to represent an APEC on the Phase I Property. Surrounding land use is shown on Drawing PE4886-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as any associated potentially contaminating activities dating back to the first developed use of the site.

Table 1: Land Use History – Southern Portion of 1009 Trim Road Part of Lot 30, Concession 1 OS Cumberland, Parts 3 and 4 on 50R6869 (PIN 14538-0074)

Time Period	Name of Owner	Property Use	Description of Property Use	Other Observations from Aerial Photos, FIPs, Directories, etc.
Prior to 1961	Unknown	Vacant	Parkland	1921 to 1955 aerial photographs show the Phase I Property as being undeveloped vacant land.
1969-1990	Her Majesty the Queen in Right of The Province of Ontario	Vacant	Parkland	The 1979 aerial photograph show the Phase I Property as beings vacant and undeveloped.
1990-2014	Rita Grandmaitre Pierre Grandmaitre Yves Grandmaitre Helene Grandmaitre Diane Lajoie	Vacant	Parkland	The 1999-2008 aerial photographs show the Phase I Property as being vacant and undeveloped. The 1991 aerial photograph shows fill placement on the site.
2014-2017	Pierre Grandmaitre Yves Grandmaitre Helene Grandmaitre Diane Lajoie	Vacant	Parkland	The 2017 aerial photograph shows the Phase I Property as vacant and undeveloped land.
2017-present	7351275 Canada Inc.	Vacant	Parkland	Based on a personal interview with the current landowner, the site has never been developed.

Potentially Contaminating Activities

Based on the historical and records review as well as the site visit, the potentially contaminating activities (PCAs) that were identified on the Phase I Property and on properties within the study area that resulted in areas of potential environmental concern (APECs), as per Column A of Table 2 of the O.Reg. 153/04, as amended are:

- ❒ PCA 30 – *"Importation of Fill Material of Unknown Quality,"* associated with raising the original ground level at least 3 m (APEC 1).

- PCA 48 – *"Salt manufacturing, Processing and Bulk Storage,"* associated with a salt dome on the neighbouring property to the south at 1125 Trim Road (APEC 2).
- PCA 28 – *"Gasoline and Associated Products Storage in Fixed Tanks,"* associated with above ground fuel storage tanks at 1125 Trim Road (APEC 2).

The remaining off-site PCAs were not considered to result in APECs based on their separation distances and/or orientation with respect to the subject land.

The off-site PCAs within the Phase I Study Area are identified in green on Drawing PE4886-2– Surrounding Land Use Plan.

Areas of Potential Environmental Concern

The aforementioned PCAs resulted in the following APECs:

- APEC 1: Resulting from fill material imported throughout the 1990s to 2014 onto the Phase I Property (PCA 30).
- APEC 2: Resulting from the off-site storage of road salt and fuel storage tanks at 1125 Trim Road (PCA 48 and PCA 28).

The aforementioned PCAs that represent APECs on the Phase I Property are outlined in red on Drawing PE4886-1–Site Plan.

Contaminants of Potential Concern

Based on the APECs identified on the Phase I Property, the contaminants of potential concern (CPCs) are:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4);
- Polycyclic Aromatic Hydrocarbons (PAHs);
- Metals (including mercury and hexavalent chromium);
- Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR);
- Chlorides.

These CPCs are potentially present in soil and/or groundwater beneath the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of interbedded limestone and dolomite of the Gull River Formation. The overburden thickness of ranges from 15 to 25 m and consists of offshore marine sediments.

Based on domestic well records near the Phase I Property, the site stratigraphy consists of clay, underlain by limestone bedrock. Groundwater is expected to flow in a northerly direction towards the Ottawa River.

Fill Placement

As previously identified in this report, the Phase I Property has fill material containing metals, PAHs and PHC-F2 as well as EC and SAR concentrations in excess of the applicable site standards. No remediation work has been completed thus far, and as such, this PCA remains an APEC on the Phase I Property.

Water Bodies and Areas of Natural Significance

The Phase I Property is situated in the Petrie Island Wetland, which is a designated provincially significant wetland.

Drinking Water Wells

No potable water wells were identified on the Phase I Property.

Existing Buildings and Structures

There are no buildings or structures present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is undeveloped land with presently no services on-site. It is expected that upon development, the subject land will be municipally serviced.

Neighbouring Land Use

The Phase I Study Area is situated in an area that consists primarily of vacant land with some commercial and residential land use.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, three (3) PCAs are considered to result APECs on the Phase I Property. These APECs are summarized in Table 2, along with their respective locations and contaminants of potential concern (CPCs) on the Phase I Property.

Table 2: Potentially Contaminating Activities and Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1: Resulting from importation of fill	Majority of the southern portion of the Phase I Property	PCA 30 – "*Importation of Fill Material of Unknown Quality*"	On-site	PAHs Metals	Soil
APEC 2: Resulting from a salt dome and fuel storage 1125 Trim Road	Southern portion of the Phase I Property	PCA 48 – *"Salt manufacturing, Processing and Bulk Storage"* PCA 28 – "*Gasoline and Associated Products Storage in Fixed Tanks*"	Off-site	BTEX PHCs (F_1-F_4) EC SAR BTEX PHCs (F_1-F_4) Metals Chloride	Soil Groundwater

As previously discussed in Section 7.1, the remaining off-site PCAs were determined not to represent APECs on the Phase I Property, based on the significant separation distances relative to the subject land.

Contaminants of Potential Concern

As per the APECs identified in Section 7.1, the contaminants of potential concern (CPCs) in soil and/or groundwater include:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4);
- Polycyclic Aromatic Hydrocarbons (PAHs);
- Metals (including mercury and hexavalent chromium);
- Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR);
- Chlorides.

The CPCs are expected to be present in the soil and/or groundwater of the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are PCAs that have resulted in APECs on the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Starwood Group Inc. to conduct a Phase I-Environmental Site Assessment (ESA) for the southern portion of 1009 Trim Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has never been developed. The aerial photographs from the last 3 decades show that fill material was imported on-site. Historical use of the neighbouring lands included agricultural lands and the Ministry of Transportation (MTO) Yard (1125 Trim Road) that consisted of bulk storing of road salt and fuel storage tanks.

A Phase I ESA and Phase II ESA were completed by WSP in 2016. Based on the findings of the Phase I ESA, the importation of fill material on-site and activities associated with the MTO Yard were considered potentially contaminating activities (PCAs) that represented areas of potential environmental concern (APECs) on the Phase I Property. A subsequent Phase II ESA was completed to address the aforementioned APECs.

Soil and groundwater samples were retrieved and submitted for benzene, toluene, ethylbenzene and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons fractions F1 to F4 (PHCs, F1-F4) and metals as well as electrical conductivity (EC) and sodium adsorption ratio (SAR) analyses. Based on the analytical test results, the fill material on-site was impacted with metals, PAHs, PHC-F2 and EC/SAR. Groundwater samples from MW16-1 through MW16-6 were collected and submitted for BTEX, PAHs, PHCs (F1-F4) and metals analyses. Based on these test results, groundwater contained elevated levels of chloride in excess of the applicable site standards. Soil and groundwater remediation were recommended at that time. No further work has been completed on-site since 2016. The APECs previously identified on the Phase I Property remain areas of concern.

Following the historical research, a site visit was conducted. The Phase I Property remains undeveloped. No PCAs were identified with the current use of the Phase I Property.

Neighbouring land use in the Phase I Study Area consisted primarily of commercial with some residential land use. A salt dome located at 1125 Trim Road, which was previously identified remains an APEC on the Phase I Property. No additional APECs were identified on the Phase I Study Area.

8.2 Recommendations

Based on the findings of our assessment, it is **our opinion that a Phase II-Environmental Site Assessment is required for the subject property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Starwood Group Inc. Permission and notification from Starwood Group Inc. and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Mandy Witteman, B.Eng., M.A.Sc.

Mark S. D'Arcy, P.Eng, QP_{ESA}

Report Distribution:

- ❑ Starwood Group Inc.
- ❑ Paterson Group Inc.

10.0 REFERENCES

Federal Records
Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources
Personal Interviews.

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Sources
ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4886-1 – SITE PLAN

DRAWING PE4886-2 – SURROUNDING LAND USE PLAN

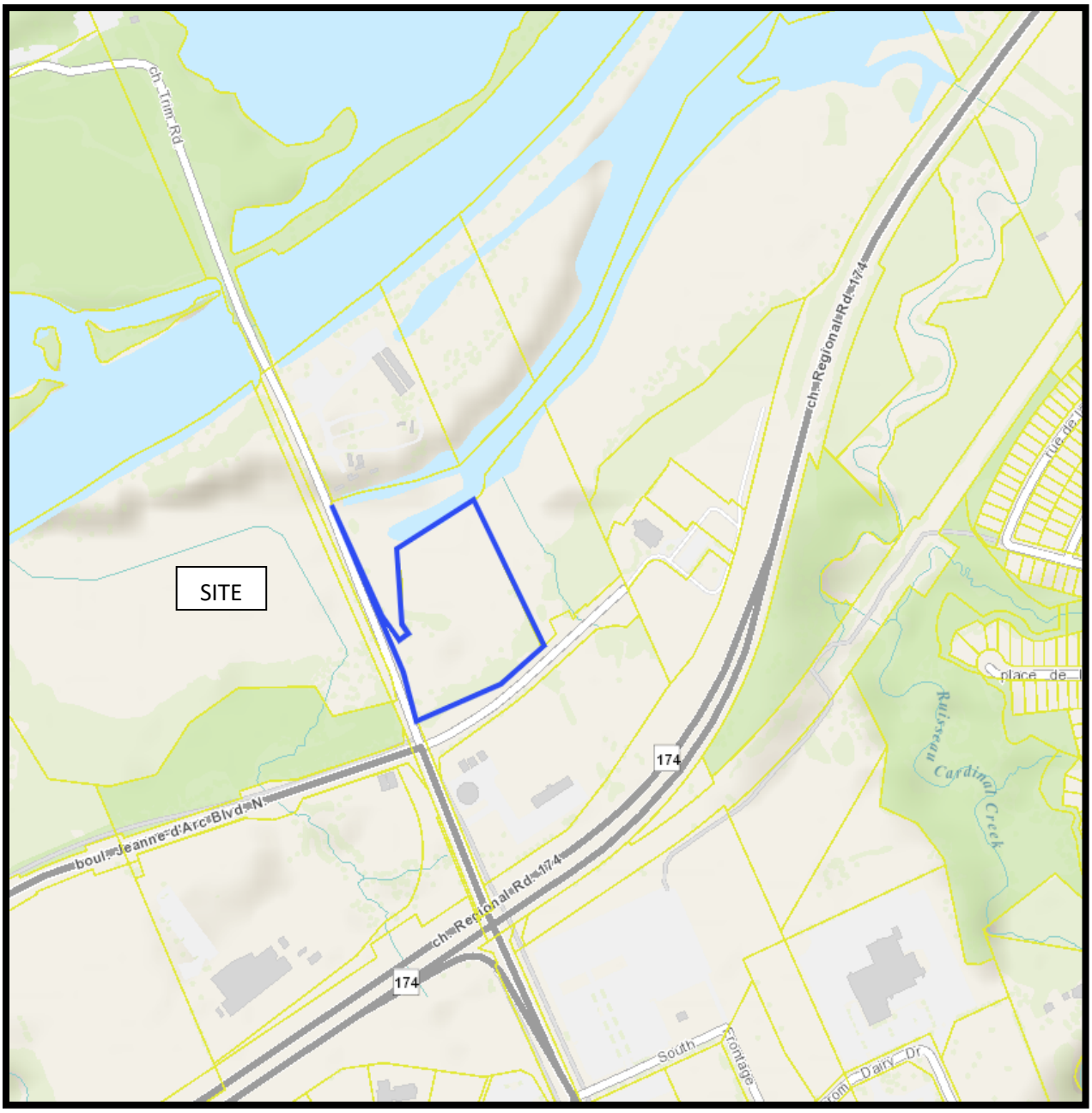


FIGURE 1

KEY PLAN

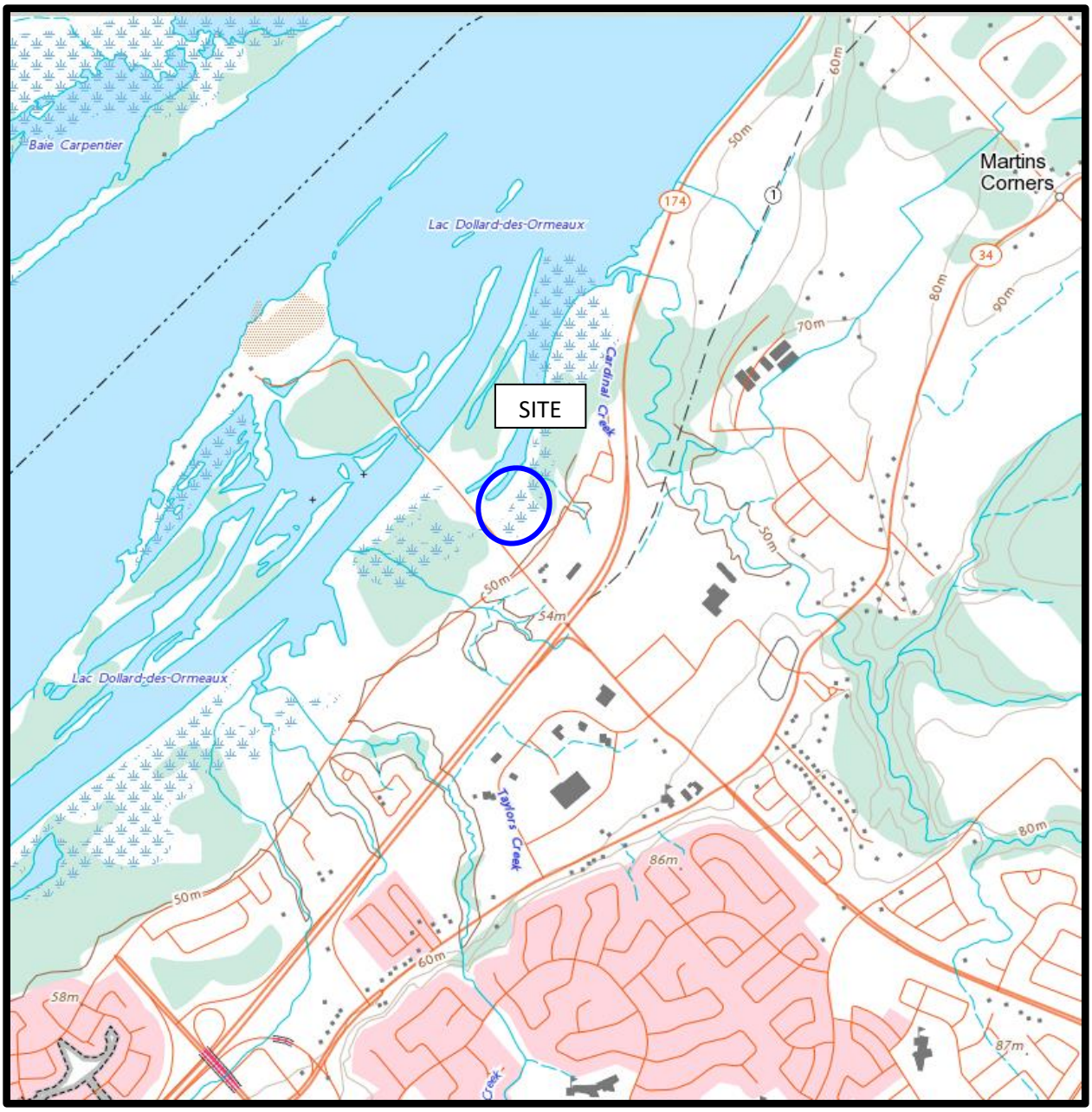
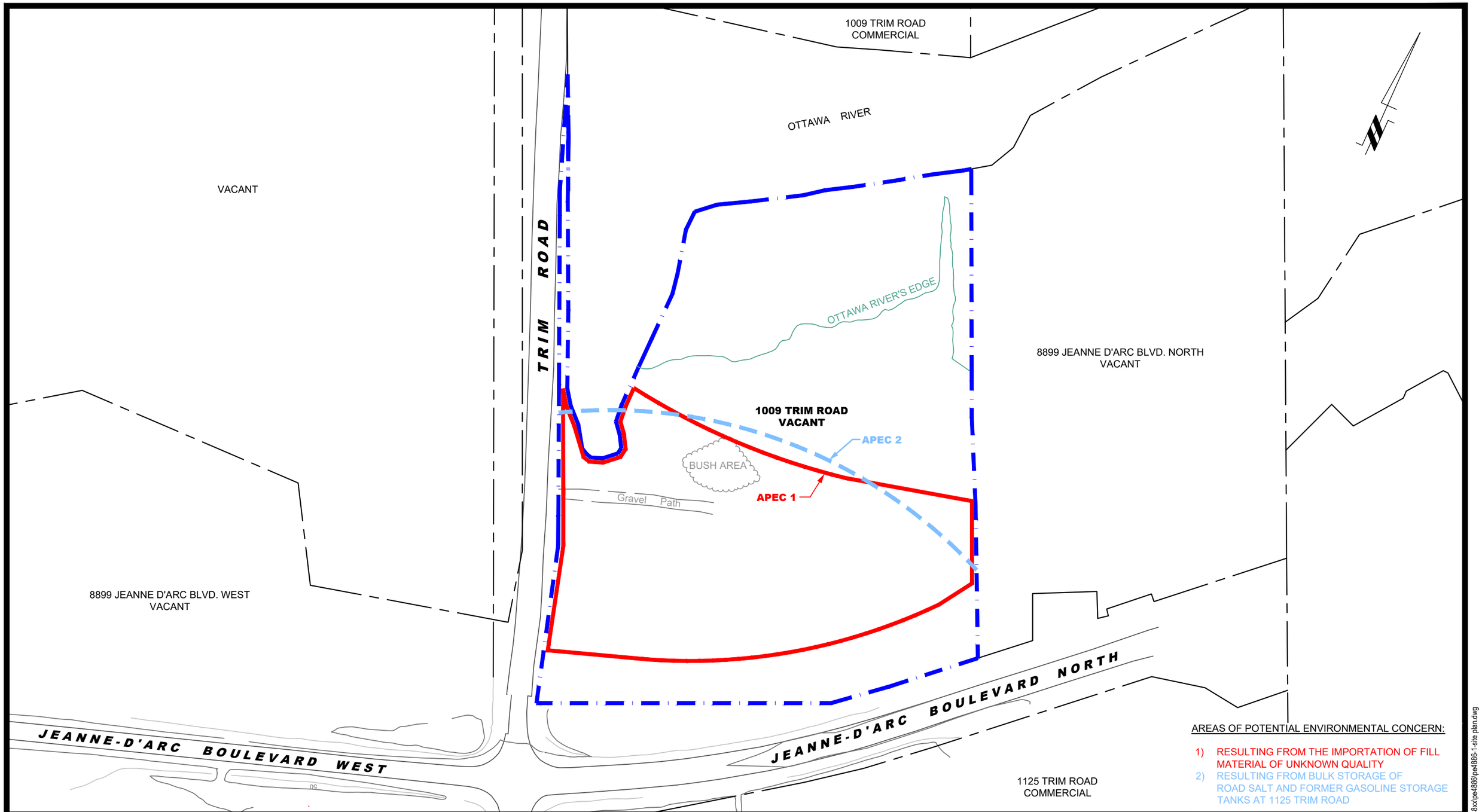


FIGURE 2

TOPOGRAPHIC MAP



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) RESULTING FROM THE IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
2) RESULTING FROM BULK STORAGE OF ROAD SALT AND FORMER GASOLINE STORAGE TANKS AT 1125 TRIM ROAD

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

STARWOOD GROUP INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
SOUTHERN PORTION OF 1009 TRIM ROAD

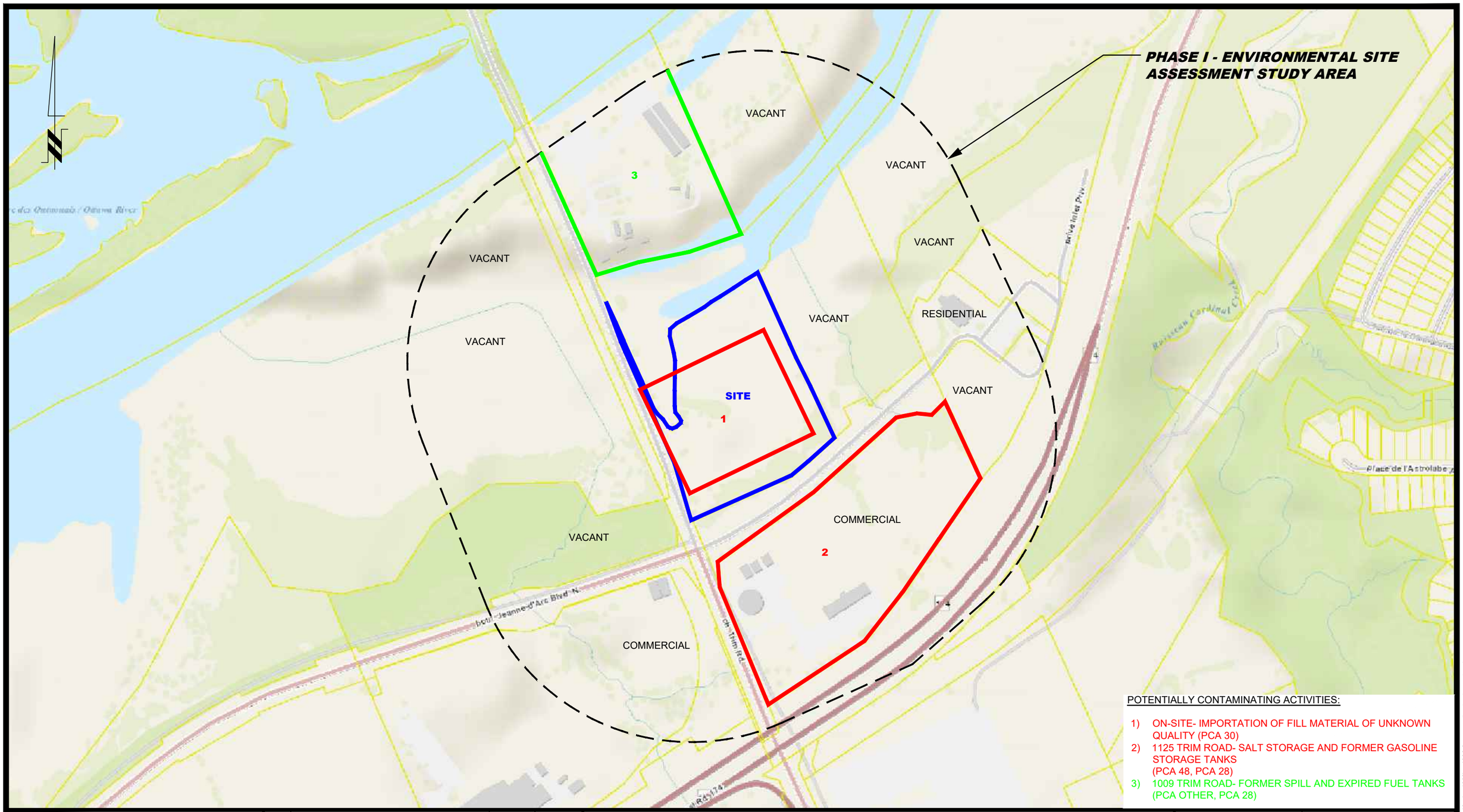
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:1500	Date: 08/2020
Drawn by: YA	Report No.: PE4886-1
Checked by: MW	Dwg. No.: PE4886-1
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe4xx\pe4886\pe4886-1-site plan.dwg



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

STARWOOD GROUP INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
SOUTHERN PORTION OF 1009 TRIM ROAD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:4000	Date: 08/2020
Drawn by: YA	Report No.: PE4886-1
Checked by: MW	Dwg. No.: PE4886-2
Approved by: MSD	Revision No.:

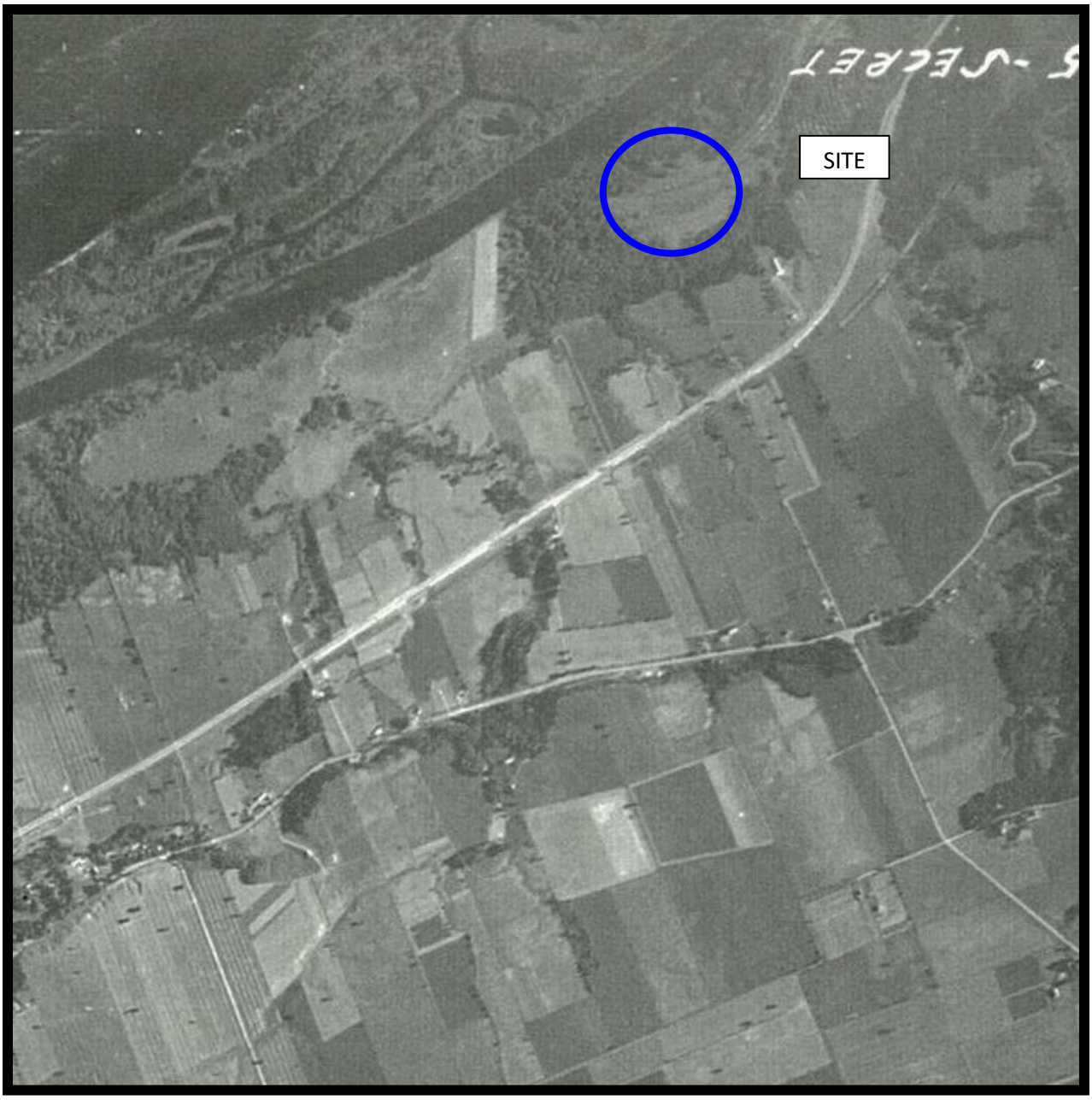
p:\autocad drawings\environmental\pe4886\pe4886-2-surrounding land use plan.dwg

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

AERIAL PHOTOGRAPH
1921



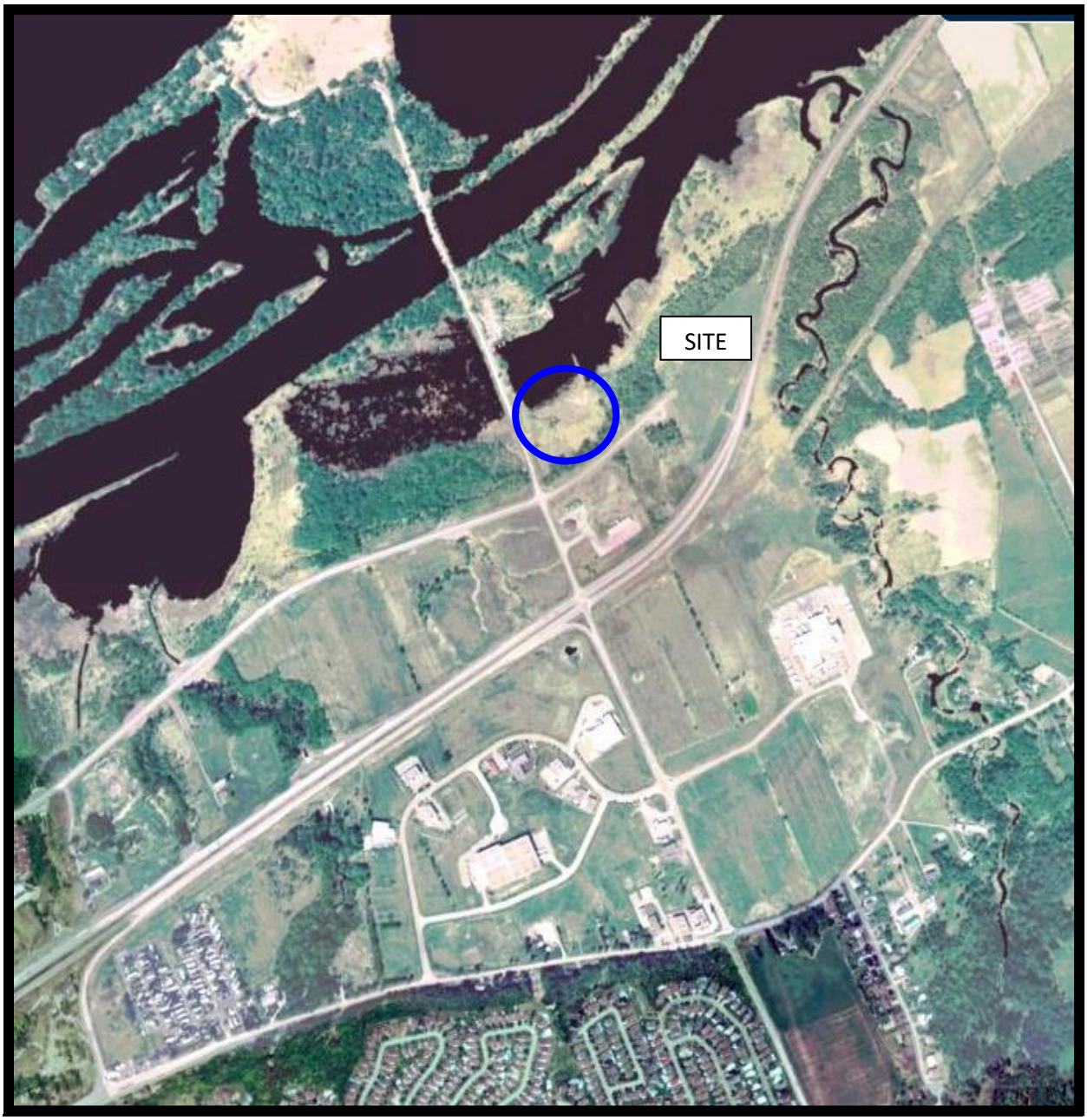
AERIAL PHOTOGRAPH
1955

AERIAL PHOTOGRAPH
1969

patersongroup

AERIAL PHOTOGRAPH
1979

patersongroup

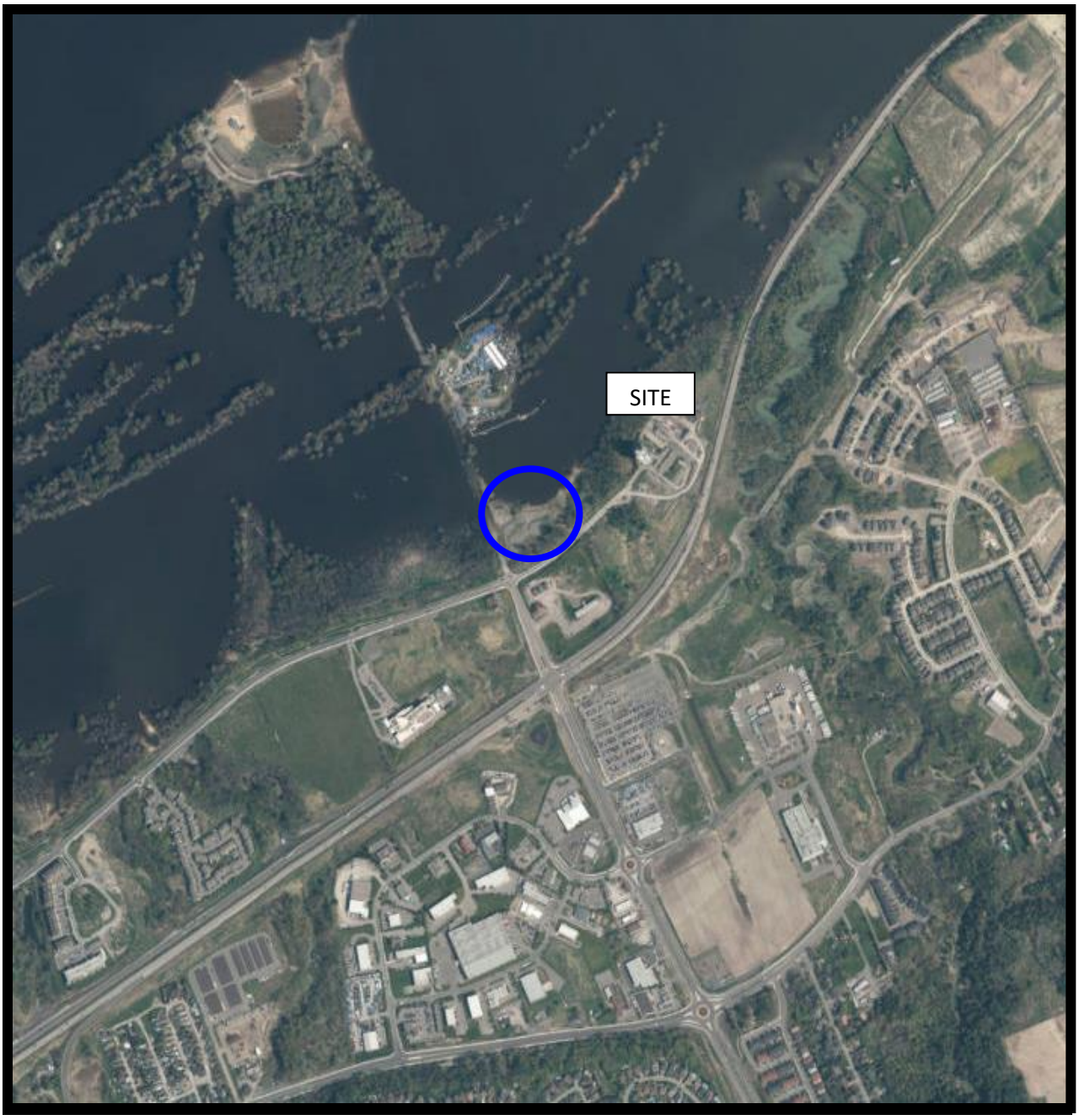


AERIAL PHOTOGRAPH
1999

patersongroup

AERIAL PHOTOGRAPH
2008

patersongroup



AERIAL PHOTOGRAPH
2017

patersongroup

Site Photographs

PE4886 Southern Portion of 1009 Trim Road, Ottawa, ON July 8, 2020

Photograph 1: Eastern view of the Phase I Property, taken from the central west side of the property, looking towards the Ottawa River.

Photograph 2: Central view of the Phase I Property, taken from the southern tree line, looking north towards the Ottawa River.

APPENDIX 2

CHAIN OF TITLE

MECP FOI REPONSE

MECP WELL RECORDS

HLUI RESPONSE

ERIS REPORT

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

Patersongroup
Attn: Mandy

BRIEF DESCRIPTION OF LAND:

1009 Trim Rd., Ottawa
Part of Lot 30, Concession 1 OS Cumberland, Parts 3 and 4 on 50R6869

PIN: 14538-0074

LAST REGISTERED OWNER: 7351275 Canada Inc.

CHAIN OF TITLE (from 2000 to present):

Deed RR131078 registered Sep 18, 1990
To Rita, Pierre, Yves, and Helene Grandmaitre and Diane Lajoie

Deed OC1611552 registered Aug 20, 2018
From estate of Rita Grandmaitre to Pierre, Yves, and Helene Grandmaitre and Diane Lajoie

Deed OC1940264 registered Oct 17, 2017
From Pierre, Yves, and Helene Grandmaitre and Diane Lajoie to 7351275 Canada Inc.

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #4

14538-0075 (LT)

PREPARED FOR EEGoolab ON 2016/01/05 AT 11:23:16

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

PROPERTY DESCRIPTION: PT LT 30 CON 10S CUMBERLAND PTS 1 & 2, 50R6869, S/T & T/W RR24355B, S/T DEBTS IN RR131078, S/T SPOUSAL INTEREST IN RR131078; S/T RR19540B, RR5426B; CUMBERLAND

PROPERTY REMARKS:

ESTATE/QUALIFIER: FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY: RE-ENTRY FROM 14538-0170

PIN CREATION DATE: 2000/01/21

OWNERS' NAMES	CAPACITY	SHARE
GRANDMAITRE, PIERRE	TCOM	1/8
GRANDMAITRE, YVES	TCOM	1/8
LAJOIE, DIANE	TCOM	1/8
GRANDMAITRE, HELENE	TCOM	1/8
LAJOIE, DIANE	TCOM	12.5%
GRANDMAITRE, HELENE	TCOM	12.5%
GRANDMAITRE, PIERRE	TCOM	12.5%
GRANDMAITRE, YVES	TCOM	12.5%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/05/26 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/01/21						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/01/24 **						
RR2392B	1961/12/06	BYLAW				C
RR5426B	1963/06/13	PLAN EXPROPRIATION				C
	REMARKS: SKETCH ATTACHED					
RR19540B	1969/05/23	TRANSFER EASEMENT			HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF ONTARIO	C

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

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
50R6869	1990/08/28	PLAN REFERENCE				C
RR131078	1990/09/18	TRANSFER	$1		GRANDMAITRE, RITA GRANDMAITRE, PIERRE GRANDMAITRE, YVES LAJOIE, DIANE GRANDMAITRE, HELENE	C
	CORRECTIONS: 'TRANSFEREE: LAJOIE, DIANE' ADDED ON 2000/01/18 BY LAND REGISTRAR 4. 'TRANSFEREE: GRANDMAITRE, HELENE' ADDED ON 2000/01/18 BY LAND REGISTRAR 4.					
OC1611552	2014/08/20	TRANS PERSONAL REP	$1	ST-PIERRE, HELENE GRANDMAITRE, PIERRE GRANDMAITRE, YVES LAJOIE, DIANE	GRANDMAITRE, HELENE GRANDMAITRE, PIERRE GRANDMAITRE, YVES LAJOIE, DIANE	C
	REMARKS: PLANNING ACT STATEMENTS					

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

UTM 18 Z 4 6 1 3 8 0 E
R 5 0 3 8 0 8 0 N
Elev. R 0 1 7 5
~~Basin~~ Ottawa Front
~~Lot 29~~
O.F. Con I Lot 30

RECEIVED
OCT 23 1954
GEOLOGICAL BRANCH
DEPARTMENT of MINES

No. 56 ~~769~~

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

1513141

316/6e

[redacted] p, ~~Village, Town or City~~ .... Cumberland
own or City) ....
s .... Hurdman's Bridge

Date Completed ....31 (day) July (month) 1954 (year) Cost of Well (excluding pump) ....

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	4"	Date	July 31/54
Length(s) of casing(s)	83'	Static level	28'
Type of screen	—	Pumping level	28'
Length of screen	—	Pumping rate	400 gal per hr
Distance from top of screen to ground level		Duration of test	1 hr
Is well a gravel-wall type?	No	Distance from cylinder or bowls to ground level	

Water Record

Kind (fresh or mineral) .... fresh
Quality (hard, soft, contains iron, sulphur, etc.) .... Soft
Appearance (clear, cloudy, coloured) .... Cloudy
For what purpose(s) is the water to be used? .... Pig feeding
....
How far is well from possible source of contamination? .... 20'
What is the source of contamination? .... Pighouse
Enclose a copy of any mineral analysis that has been made of water ....

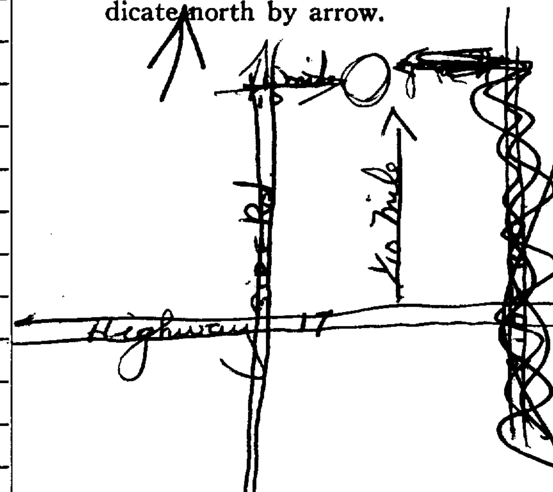
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
83'	fresh	55'

Well Log

Overburden and Bedrock Record	From	To
Sandy loam	0 ft.	5 ft.
Blue Clay	5	40
gravely with Sand	40	80
Coarse gravel	80	83

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? .... Valley
Drilling Firm .... J. H. Adams
Address .... Hurdman's Bridge
Name of Driller .... J. W. Adams   Address .... Ramsayville Ont
Date .... Oct. 23/54   Licence Number 41

John W. Adams
Signature of Licensee

FORM 5

CSS.S8

UTM 18 Z 416151 E
19 R 5031810 N

Elev. 19 R 01715

Basin 215

Lot 29

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

RECEIVED
AUG 5 1955
GEOLOGICAL BRANCH
DEPARTMENT of MINES

1513142

Water-Well Record

County or Territorial District ~~Cumberland~~ Township, ~~Village, Town or City~~ ~~Orleans~~

[redacted]

Village, Town or City)

ddress Orleans Ontario

Date completed (day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) 88'
Type of screen
Length of screen

Pumping Test

Static level 31'
Pumping rate 8 g.p.m.
Pumping level 42'
Duration of test 1 hour

Well Log

Overburden and Bedrock Record	From ft.	To ft.
Clay loam	0	1'
Brown clay	1'	8'
Blue clay	8'	87'
Gray limestone rock	87'	98'

Water Record

Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
98'	69'	fresh

NORTH

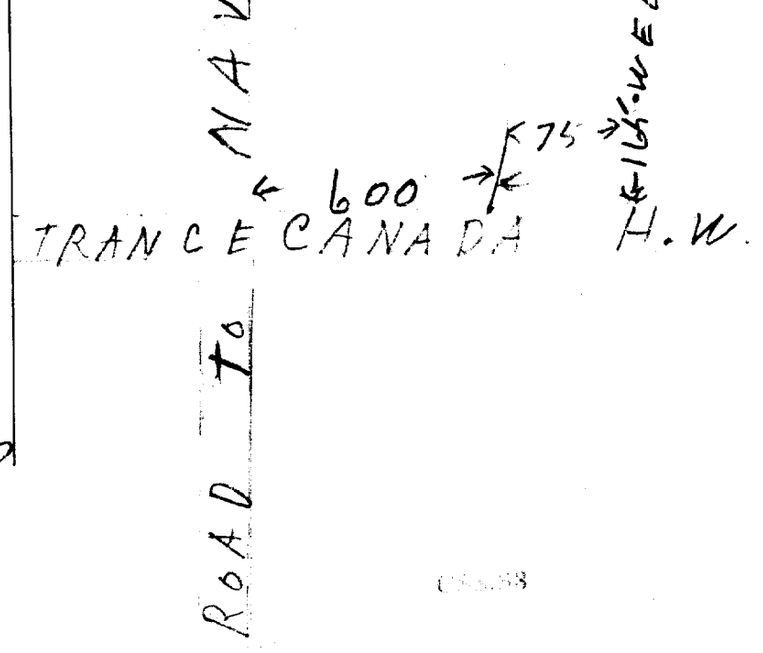
For what purpose(s) is the water to be used?
~~Domestic~~
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside?
Hillside
Drilling firm T. H. Adams
Address Hurdman's Bridge
~~Ottawa~~ Ontario
Name of Driller T. H. Adams
Address ~~Hurdman's Bridge~~
Ottawa Ontario
Licence Number 42

I certify that the foregoing statements of fact are true.

Date Aug. 1/55 Thos. H. Adams
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM 18 Z 416213410 E
18 R 5013181010 N

Elev. 5 R 01712

Basin 215

1513158

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
NOV 14 1961
ONTARIO WATER RESOURCES COMMISSION

County or District Russel O.F. Con I Lot 30 Township, Village, Town or City Cumberland Ont

Con. ~~1st~~ O.F.I ~~Con From~~ The Ottawa River Lot 30 Date completed 23 (day) Sept (month) 1961 (year)

Owner Department Of Highways (print in block letters) Address DHO Patol Site, ~~XXXXX~~ Orleans, Ont.

Casing and Screen Record

Inside diameter of casing 6"

Total length of casing 105'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 6"

Pumping Test

Static level 28'

Test-pumping rate 12 G.P.M.

Pumping level 32(

Duration of test pumping 4 Hrs

Water clear or cloudy at end of test Clear

Recommended pumping rate 12 G.P.M.

with pump setting of 50' feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Blue Clay	0'	102'		
Course Gravel	102'	105'	105'	fresh

For what purpose(s) is the water to be used? Garage

Is well on upland, in valley, or on hillside? Up

Drilling or Boring Firm

Address G. CHARBONNEAU DIAMOND DRILLER ARTESIAN WELLS MODERN HOME BUILDERS ORLEANS, ONT. R.R. 1 Navan 9R-25

Licence Number 224

Name of Driller or Borer SAME

Address

Date Sept 23/61

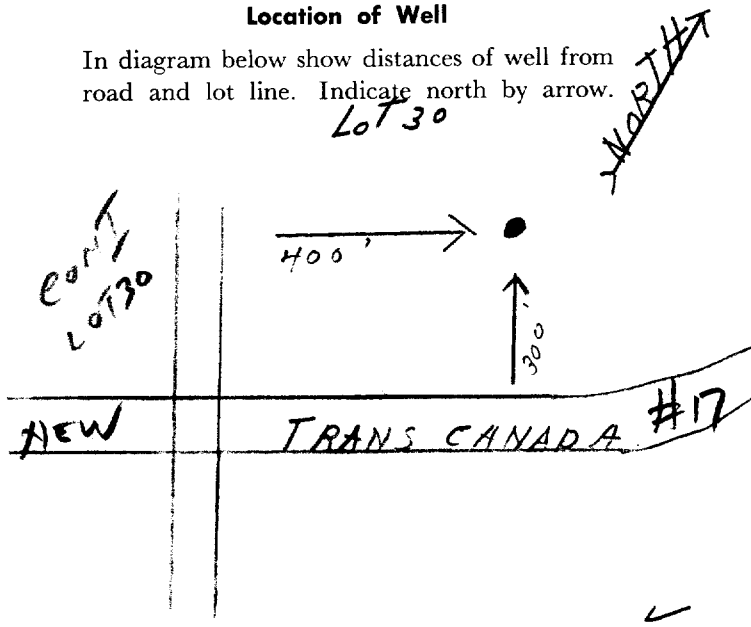
Gérard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Ontario Ministry of the Environment

Well Tag No. for Master Well *(Place Sticker and/or Print Below)*

A097264 **A 097264**

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 3

[redacted]

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
1425 Trim Road			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	462355	5038182	Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
GRY	Clay	Silt	soft	0	1.83
GRY	Clay	silt	soft, wet	1.83	4.88

Hole Details

Depth (Metres) From	Depth (Metres) To	Diameter (Centimetres)
0	4.88	8.25

Water Use

☐ Public ☐ Industrial ☐ Not used ☐ Other, specify
☐ Domestic ☐ Commercial ☐ Dewatering
☐ Livestock ☐ Municipal ☑ Monitoring
☐ Irrigation ☑ Test Hole ☐ Cooling & Air Conditioning

Method of Construction

☐ Cable Tool ☐ Air Percussion ☐ Digging
☐ Rotary (Conventional) ☐ Diamond ☐ Boring
☐ Rotary (Reverse) ☐ Jetting ☑ Other, specify
☐ Rotary (Air) ☐ Driving DIRECT PUSH

Status of Well

☑ Test Hole ☐ Abandoned, Insufficient Supply
☐ Replacement Well ☐ Abandoned, Poor Water Quality
☐ Dewatering Well ☐ Other, specify
☐ Alteration (Construction) ☐ Abandoned, other, specify

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	Depth (Metres) To
4.03	PVC	.368	0	1.88

No Casing and Screen Used

Open Hole ☐ Yes ☑ No

Static Water Level Test

[ ][ ] Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☑ Plastic

Outside Diameter *(Centimetres)*

Slot No. 10

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	1.52	Bentcal	
1.52	4.88	filter sand	

Water Details

Water found at Depth	Kind of Water
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Disinfected ☐ Yes ☐ No If no, provide reason:

Date Master Well Completed *(yyyy/mm/dd)* 2010/05/18

Cluster Information *(Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)*

Total Wells in Cluster	Please indicate Number of Cluster Well Information Log Sheets Submitted
6	1
Total Wells on this Property: 6	

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.

☐ Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to

[redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street No./Name, number, RR)	Municipality
2-147 west Beaver Creek Dr	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1C6	wrecord@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057649304	Matt, Mike

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
3448	[signature]	2010/06/10

Ministry Use Only

Audit No.	Well Contractor No.
M 03202	
Date Received (yyyy/mm/dd) JUN 17 2010	Date of Inspection (yyyy/mm/dd)
Remarks	

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. for Master Well (Print Well Tag No.)
A097264 **A 097264**

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

772

[redacted]

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
1525 TRIM ROAD				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation	upon request
Ottawa	Ontario		Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify:	Signature of Technician/Contractor: [signature] Date (yyyy/mm/dd): 2010/05/18

Well # on Sketch	UTM Coordinates Zone	Easting	Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
2	18	462382	5038244	4.88	8.25	DIRECT PUSH	PVC	1.88	1.88	4.88	Bensea/				2010/05/18
3	18	462451	5038262	4.88	8.25	DIRECT PUSH	PVC	1.88	1.88	4.88	Bensea/				2010/05/18
4	18	462286	5038267	5.49	8.25	DIRECT PUSH	PVC	2.44	2.44	5.49	Bensea/				2010/05/18
5	18	462351	5038333	5.18	8.25	DIRECT PUSH	PVC	2.13	2.13	5.18	Bensea/				2010/05/18
6	18	462420	5038393	5.79	8.25	DIRECT PUSH	PVC	2.74	2.74	5.79	Bensea/				2010/05/18

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
Strata Soil Sampling	2447 West Beaver Creek Dr,	Richmond Hill	ON

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
L4B1C6	905 764 9304	7241	wrecords@stratasoil.com

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Mike Mast	3448	2010/06/10	[signature]

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010/05/18	2010/05/18

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
JUN 17 2010	
Audit No. c 08525	Remarks 1163202

1991 (11/2006)

Ministry's Copy

7472 3 of 3

Google maps Address Canada

To see all the details that are visible on the screen,use the "Print" link next to the map.

Get Directions My Maps Print Send Link

⊕ MW (6)

⊕ BH (2)

⊕ TP (4)

C-7241
M03202
C08525

JUN 17 2010

Ontario — Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)*

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Measurements recorded in: ☒ Metric ☐ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
100 Constellation Dr., 6th Floor	Ottawa	ON	K2G6J8	6135802400

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
N. Service Rd (190 m W of Trim Road)	Geographic Twnsp of Cumberland	30	1 from the Ottawa

County/District/Municipality	City/Town/Village	Province	Postal Code
	City of Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	462059	5038233		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Abandonment (no well tag or well ID)			Granular Roadbed	0	0.45m
			Holeplug Sodium Bentonite (hydrated)	0.45	6.05m

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, *specify*

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☒ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify*

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
3/4"	PVC		0	6.05

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
	N/A			

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☒ Abandoned, other, *specify* not required ☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Kind of Water	
0	☐ Fresh ☒ Untested ☐ Gas ☐ Other, *specify*	
	☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*	
	☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*	

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

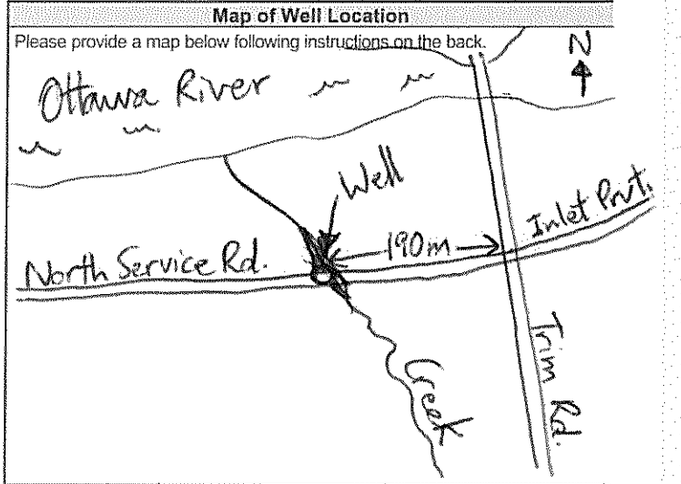
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: Well in westbound lane, directly east of culvert crossing

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
853921 Ontario Ltd. McIntosh Perry Consulting Engineers Ltd.	7477

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
115 Walgreen Rd., RR3	Carp	ON	K0A1L0	info@mcintoshperry.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138362184	Leblanc, Patrick P.Eng.			2016/07/27

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 2016/07/22

Ministry Use Only

Audit No. Z 170980

Received AUG 02 2016

Ministry's Copy

File Number: D06-03-20-0126

August 13, 2020

Mandy Witteman
Paterson Group
154 Colonnade Road South
Ottawa, ON

Sent via email [mwitteman@patersongroup.ca]

Dear Ms. Witteman,

Re: Information Request
1009 Trim Road, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

- **Disposals and Environmental Remediation Unit:** The subject site is located within 200 metres of Petrie Island Landfill.

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 250m of the Subject Property. The search revealed the following:

- There are 3 activities associated with 3 properties located within 250m of the Subject Property.

Please note that certain activities have been identified to have a PIN Certainty of "2". This identifier acknowledges that there is some uncertainty about the exact location of the land

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

use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

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

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

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

The Ontario Land Registry Office

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

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

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

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any

purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

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

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

Sincerely,

Colette Gorni

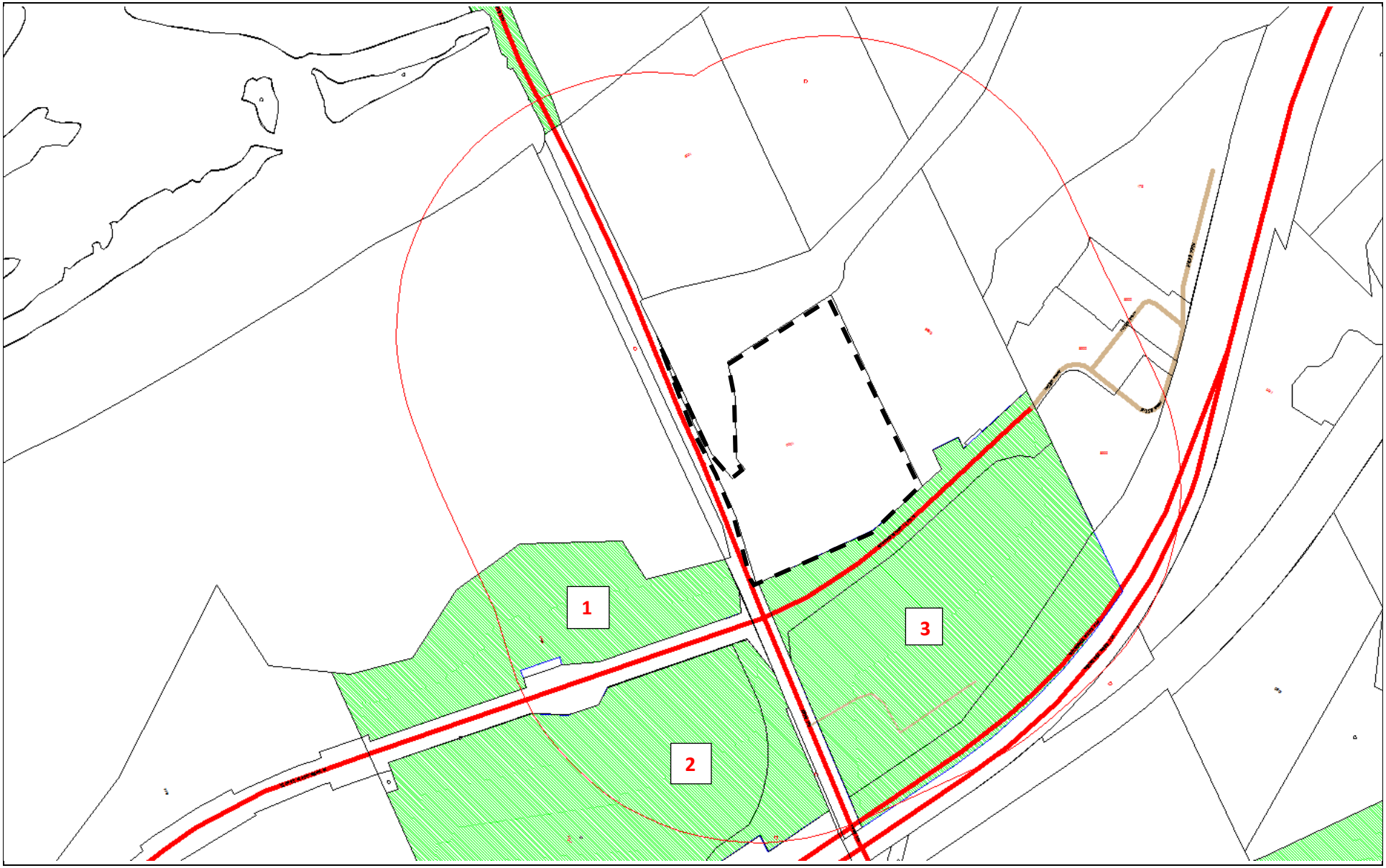
Per:

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

MB / CG

Enclosures.

cc: File no. D06-03-20-0126



Address: 1009 Trim Road
Ottawa, ON

File No.: D06-03-20-0126

Prepared By: Colette Gorni

Legend:
00 Area Number
Subject Site
250 m Buffer

Scale: 1 : N/A

Area	Associated HLUI Activities	Associated HLUI Activities with a PIN Certainty of “2” *
Subject Property		
1	12099	
2	12099	
3	11328, 11338	

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

Historical Land Use Inventory

Activity Numbers –

Adjacent Properties

Historical Land Use Inventory

Area #1 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679GFW

AREA (Square Metres): 34916.930

Report: RPTC_OT_DEV0122

Run On: 04 Aug 2020 at: 17:59:02

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	145010444	N	N

Activity ID: 12099 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6733

Related PINS: 145010429

Name: ROGER GRANDMAITRE LIMITED

Address: 795 TRIM ROAD, CUMBERLAND TOWNSHIP

Facility Type: Machinery and Equipment Rental and Leasing Service

Comments 1:

Comments 2:

Generator Number: ON1217900

Storage Tanks:

HL References 1: MCBED1996

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
333120	0
212323	82
532490	0

Company Name	Year of Operation
ROGER GRANDMAITRE LIMITED	c. 2001
ROGER GRANDMAITRE LIMITED	c. 2000
ROGER GRANDMAITRE LIMITED	c. 2003
Roger Grandmaitre Ltd.	c. 1996

Historical Land Use Inventory

Area #2 Activity Numbers

CITY OF OTTAWA

HLUI ID: __670HKA

AREA (Square Metres): 88306.164

Report: RPTC_OT_DEV0122

Run On: 04 Aug 2020 at: 17:59:27

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	145010445	N	N

Activity ID: 12099 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6733

Related PINS: 145010429

Name: ROGER GRANDMAITRE LIMITED

Address: 795 TRIM ROAD, CUMBERLAND TOWNSHIP

Facility Type: Machinery and Equipment Rental and Leasing Service

Comments 1:

Comments 2:

Generator Number: ON1217900

Storage Tanks:

HL References 1: MCBED1996

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
333120	0
212323	82
532490	0

Company Name	Year of Operation
ROGER GRANDMAITRE LIMITED	c. 2001
ROGER GRANDMAITRE LIMITED	c. 2000
ROGER GRANDMAITRE LIMITED	c. 2003
Roger Grandmaitre Ltd.	c. 1996

Historical Land Use Inventory

Area #3 Activity Numbers

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

Copy Service Canada

www.lgicscanada.com
alantos@lgicscanada.com
Phone : 613 875-7387

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

PROJECT NUMBER: 151-13911-00	
Site Address:	1009 Trim Road, Ottawa, Ontario
Year: 2011	
Site Listing:	-No Listings
Adjacent Properties:	
Trim Road (980-1150)	-1009-Petrie Island Bait & Tackle -Oziles Café -No Listings Within Radius
Jeanne D'Arc Boulevard North (8700-8900)	-No Listings Within Radius
Inlet Private (All)	100-Multi Tenant Res

PROJECT NUMBER: 151-13911-00	
Site Address:	1009 Trim Road, Ottawa, Ontario

Year: 2005/06	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Trim Road (980-1150)	-No Listings Within Radius
Jeanne D'Arc Boulevard North (8700-8900)	-No Listings Within Radius
Inlet Private (All)	-Street Not Listed

PROJECT NUMBER: 151-13911-00	
Site Address:	1009 Trim Road, Ottawa, Ontario
Year: 2000/01	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Trim Road (980-1150)	-No Listings Within Radius
Jeanne D'Arc Boulevard North (8700-8900)	-No Listings Within Radius
Inlet Private (All)	-Street Not Listed

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*PE4886 - 1009 Trim Rad* *PE4886 - 1009 Trim Road* *Orléans ON K4A 3P4*
Project No:	*30336*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20200708076*
Requested by:	*Paterson Group Inc.*
Date Completed:	*August 12, 2020*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*PE4886 - 1009 Trim Rad* *PE4886 - 1009 Trim Road Orléans ON K4A 3P4*
Project No:	*30336*

Order Information:

Order No:	*20200708076*
Date Requested:	*July 8, 2020*
Requested by:	*Paterson Group Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	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
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	4	4
CA	Certificates of Approval	Y	0	3	3
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	1	3
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	7	7
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	15	15
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	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	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	1	0	1
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	2	4	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
	Total:		5	41	46

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	SPL	CJ Oliver<UNOFFICIAL>	1009 Trim Rd Ottawa ON K4A 3P4	NNW/181.0	0.56	20
1	EHS		1009 Trim Road Ottawa ON K4A 3P4	NNW/181.0	0.56	20
1	RST	OZILES CAFE MARINA & TACKLE	1009 TRIM RD ORLEANS ON K4A3P4	NNW/181.0	0.56	20
1	SPL	Petrie Island Bait & Tackle Shop Inc.; Gus Balint; Tom Stenta	1009 Trim Rd Ottawa ON K4A 3P4	NNW/181.0	0.56	21
1	EHS		1009 Trim Road Orléans ON K4A 3P4	NNW/181.0	0.56	21

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	CA	R.M. OF OTTAWA-CARLETON	N.SERVICE RD./TRIM RD. CUMBERLAND TWP. ON	SSW/13.6	5.68	21
3	WWIS		Ottawa ON ***Well ID:*** 7146926	ESE/23.5	5.62	22
4	BORE		ON	S/73.5	5.66	32
5	BORE		ON	S/78.0	7.13	33
6	WWIS		lot 30 con 1 ON ***Well ID:*** 1513141	SE/86.8	8.27	34
7	SPL	OTTAWA-CARLETON, REG. MUNIC.	1125 TRIM RD. REG. ROADS DEPT. YARD. CUMBERLAND TWP REG. RDS YARD 1125 TRIM ROAD CUMBERLAND TOWNSHIP ON K4A 3P4	SE/104.6	9.08	37
7	GEN	OTTAWA-CARLETON, REGIONAL MUNICIPALITY OF	1125 TRIM ROAD CUMBERLAND TWP. ON K4A 3K6	SE/104.6	9.08	37
7	GEN	OTTAWA, CITY OF	1125 TRIM ROAD CUMBERLAND TWP. ON K4A 3K6	SE/104.6	9.08	38
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	39
7	EXP	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	SE/104.6	9.08	39
7	EXP	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	SE/104.6	9.08	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	EXP	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	SE/104.6	9.08	40
7	EXP	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	SE/104.6	9.08	40
7	EXP	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	SE/104.6	9.08	40
7	GEN	City of Ottawa	1125 Trim Rd Ottawa ON K4A 3P4	SE/104.6	9.08	41
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	41
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	41
7	GEN	City of Ottawa	1125 Trim Rd Ottawa ON K4A 3P4	SE/104.6	9.08	41
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	42
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	42
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON	SE/104.6	9.08	42
7	EXP	UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY	1125 TRIMLOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	SE/104.6	9.08	43
7	EXP	UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY	1125 TRIMLOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	SE/104.6	9.08	43
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	43

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	43
7	GEN	City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	44
7	GEN	City ot Ottawa Trim Depot	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	44
7	GEN	City ot Ottawa Trim Depot	1125 Trim Road Orleans ON K4A 3P4	SE/104.6	9.08	45
8	WWIS		lot 30 con 1 ON ***Well ID:*** 1513158	SSE/126.1	8.86	46
9	BORE		ON	ESE/172.1	9.82	48
10	WWIS		lot 29 con 1 ON ***Well ID:*** 1513142	ESE/172.2	9.82	49
11	BORE		ON	S/188.1	9.48	52
12	WWIS		lot 30 CITY OF OTTAWA ON ***Well ID:*** 7268069	SW/199.4	4.88	53
13	SPL	SEWERMATIC DRAIN SERVICES LTD.	INTERSECTION OF TRIM AND RE. ROAD 174 CUMBERLAND TANK TRUCK 4140 BELGREEN DRIVE, GLOUCESTER OTTAWA CITY ON	S/232.5	10.33	55
13	SPL	Canvec Leasing Inc. <UNOFFICIAL>	Hwy 174 east at the Trim Rd. <UNOFFICIAL> Ottawa ON	S/232.5	10.33	56
14	CA	La Cite Collegiale	8865 North Service Rd Ottawa ON K4A 0S9	SW/249.5	2.53	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	SPL	La Cite Collegiale	8865 North Service Rd Ottawa ON	SW/249.5	2.53	57
14	ECA	La Cite Collegiale	8865 North Service Rd Ottawa ON K1K 4R3	SW/249.5	2.53	57
15	CA	6383009 Canada Inc.	8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON	ENE/249.9	5.22	57
15	ECA	6383009 Canada Inc.	8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON K1J 9K8	ENE/249.9	5.22	58
15	EHS		n/a Ottawa ON	ENE/249.9	5.22	58

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	73.5	4
	ON	78.0	5
	ON	172.1	9
	ON	188.1	11

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
R.M. OF OTTAWA-CARLETON	N.SERVICE RD./TRIM RD. CUMBERLAND TWP. ON	13.6	2
La Cite Collegiale	8865 North Service Rd Ottawa ON K4A 0S9	249.5	14
6383009 Canada Inc.	8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON	249.9	15

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2020 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
La Cite Collegiale	8865 North Service Rd Ottawa ON K1K 4R3	249.5	14
6383009 Canada Inc.	8911 North Service Road Part of Lots 28 and 29, Concession 1 Ottawa ON K1J 9K8	249.9	15

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2020 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1009 Trim Road Orléans ON K4A 3P4	181.0	1
	1009 Trim Road Ottawa ON K4A 3P4	181.0	1
	n/a Ottawa ON	249.9	15

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 7 EXP site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
UNITED COUNTIES OF STORMONT; DUNDAS;GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	104.6	7
UNITED COUNTIES OF STORMONT, DUNDAS,GLENGARRY	1125 TRIMLOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	104.6	7

Site	Address	Distance (m)	Map Key
UNITED COUNTIES OF STORMONT; DUNDAS;GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	104.6	7
UNITED COUNTIES OF STORMONT; DUNDAS;GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	104.6	7
UNITED COUNTIES OF STORMONT; DUNDAS;GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	104.6	7
UNITED COUNTIES OF STORMONT; DUNDAS;GLENGARRY	1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	104.6	7
UNITED COUNTIES OF STORMONT, DUNDAS,GLENGARRY	1125 TRIMLOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	104.6	7

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 15 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
City ot Ottawa	1125 Trim Road Orleans ON	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa Trim Depot	1125 Trim Road Orleans ON K4A 3P4	104.6	7

Site	Address	Distance (m)	Map Key
City ot Ottawa Trim Depot	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City of Ottawa	1125 Trim Rd Ottawa ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
City ot Ottawa	1125 Trim Road Orleans ON K4A 3P4	104.6	7
OTTAWA-CARLETON,REGIONAL MUNICIPALITY OF	1125 TRIM ROAD CUMBERLAND TWP. ON K4A 3K6	104.6	7
OTTAWA, CITY OF	1125 TRIM ROAD CUMBERLAND TWP. ON K4A 3K6	104.6	7
City of Ottawa	1125 Trim Rd Ottawa ON K4A 3P4	104.6	7

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Jan 31, 2020 has found that there are 1 RST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OZILES CAFE MARINA & TACKLE	1009 TRIM RD ORLEANS ON K4A3P4	181.0	1

SPL - Ontario Spills

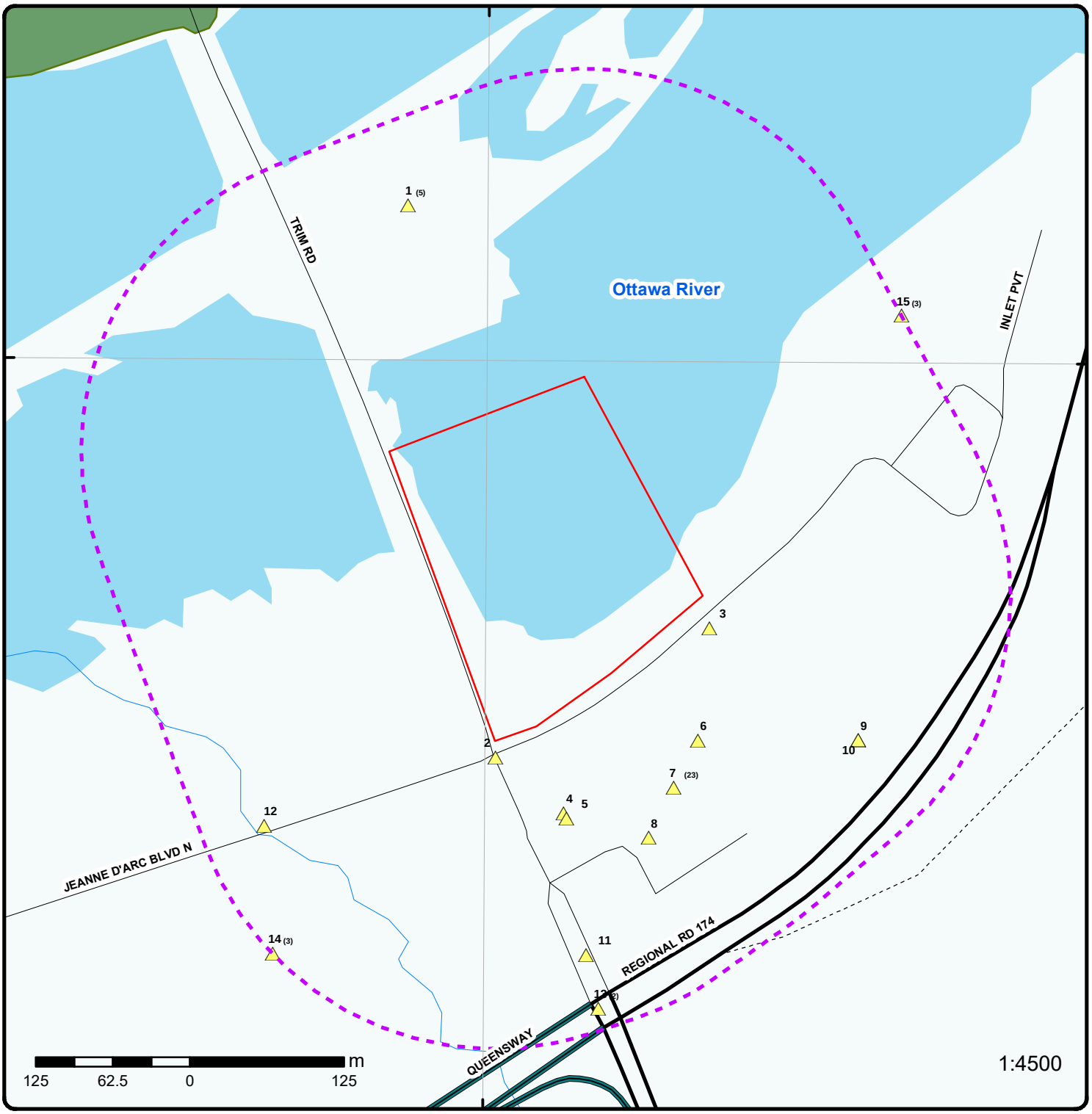
A search of the SPL database, dated 1988-Nov 2019 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CJ Oliver<UNOFFICIAL>	1009 Trim Rd Ottawa ON K4A 3P4	181.0	1
Petrie Island Bait & Tackle Shop Inc.; Gus Balint; Tom Stenta	1009 Trim Rd Ottawa ON K4A 3P4	181.0	1
OTTAWA-CARLETON, REG. MUNIC.	1125 TRIM RD. REG. ROADS DEPT. YARD. CUMBERLAND TWP REG. RDS YARD 1125 TRIM ROAD CUMBERLAND TOWNSHIP ON K4A 3P4	104.6	7
Canvec Leasing Inc.<UNOFFICIAL>	Hwy 174 east at the Trim Rd.<UNOFFICIAL> Ottawa ON	232.5	13
SEWERMATIC DRAIN SERVICES LTD.	INTERSECTION OF TRIM AND RE. ROAD 174 CUMBERLAND TANK TRUCK 4140 BELGREEN DRIVE, GLOUCESTER OTTAWA CITY ON	232.5	13
La Cite Collegiale	8865 North Service Rd Ottawa ON	249.5	14

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Ottawa ON ***Well ID:*** 7146926	23.5	3
	lot 30 con 1 ON ***Well ID:*** 1513141	86.8	6
	lot 30 con 1 ON ***Well ID:*** 1513158	126.1	8
	lot 29 con 1 ON ***Well ID:*** 1513142	172.2	10
	lot 30 CITY OF OTTAWA ON ***Well ID:*** 7268069	199.4	12



Map : 0.25 Kilometer Radius

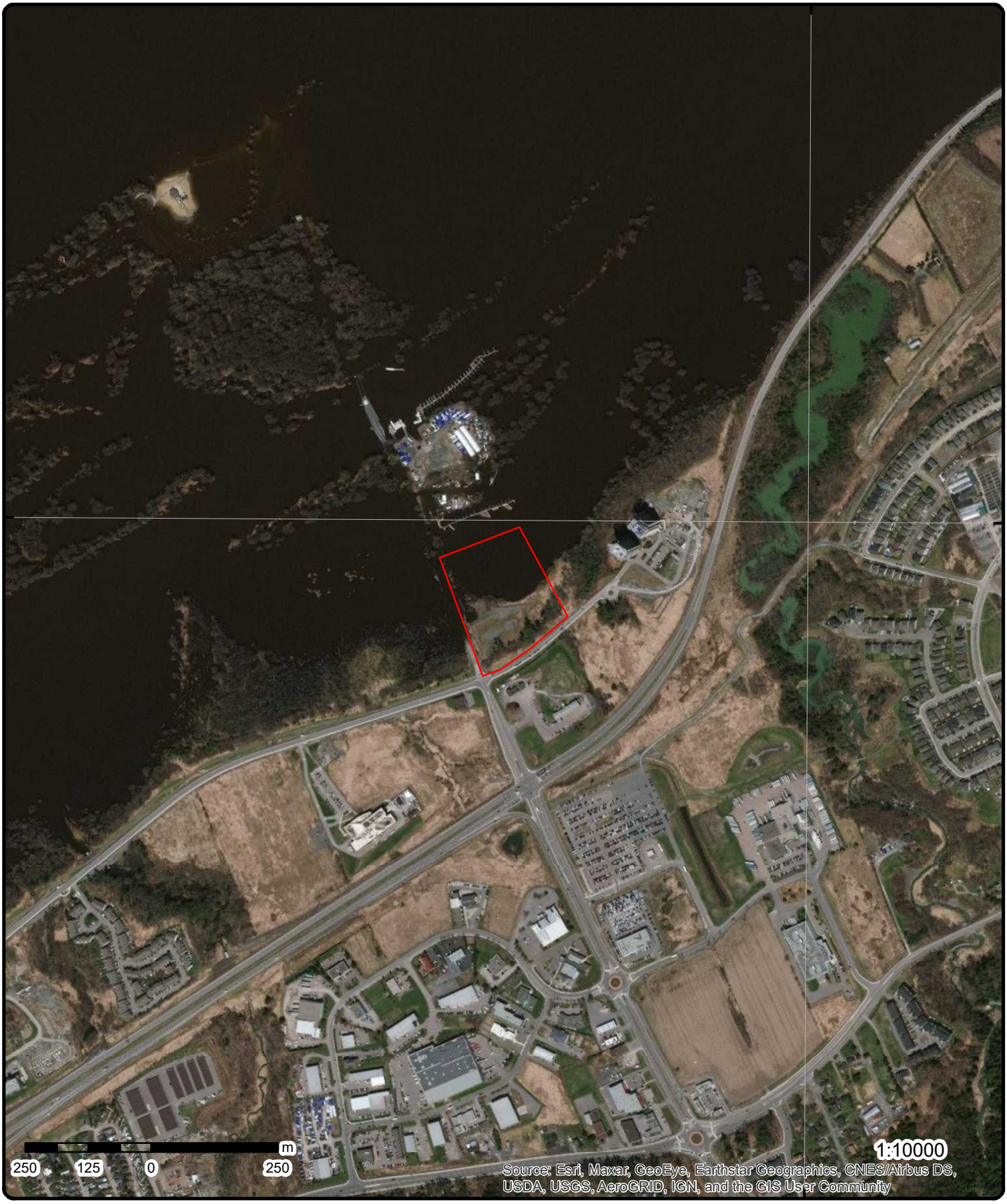
Order Number: 20200708076

Address: PE4886 - 1009 Trim Road, Orléans, ON

ERIS
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.



Aerial

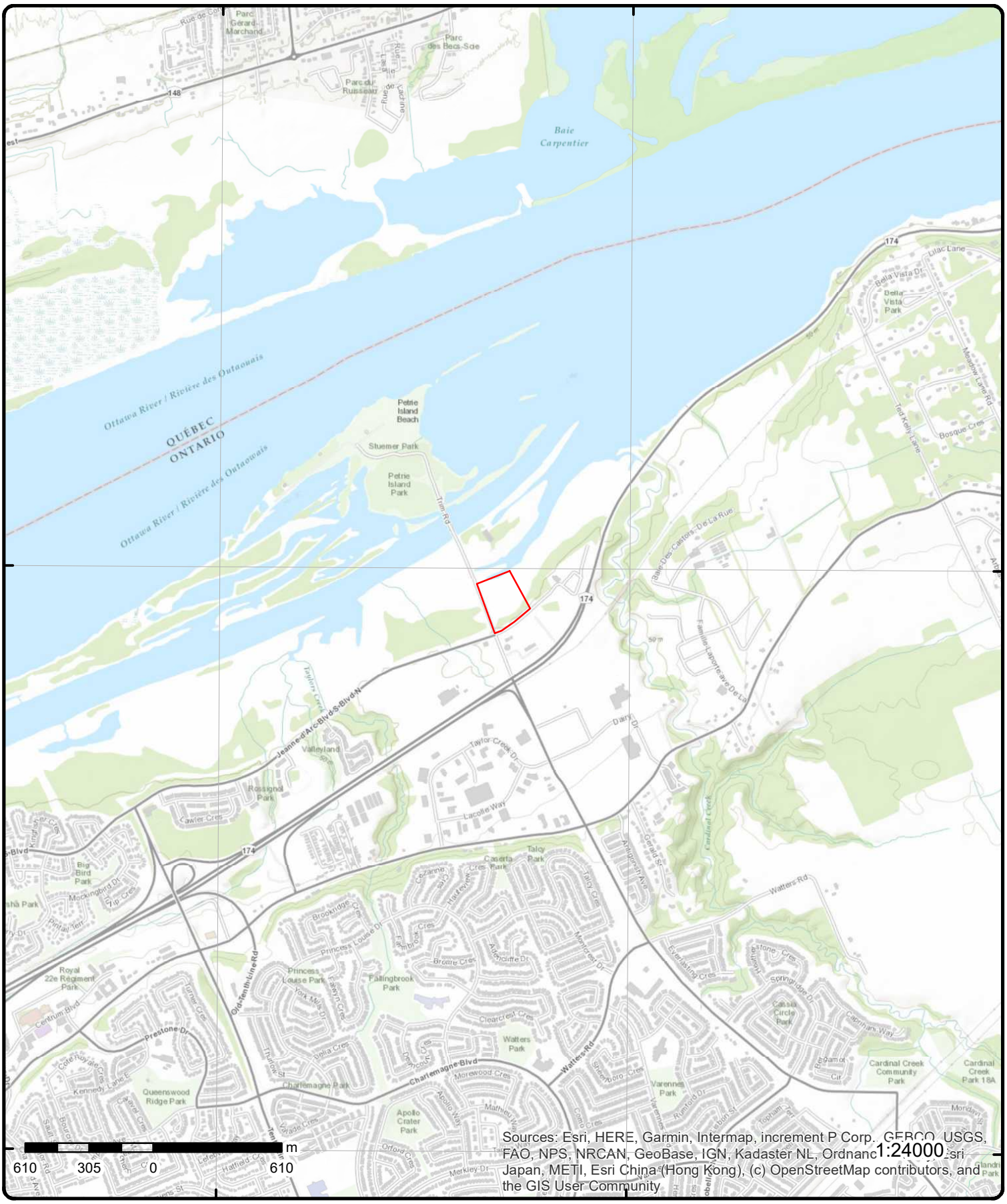
Year: 2019

Order Number: 20200708076

Address: PE4886 - 1009 Trim Road, Orléans, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: PE4886 - 1009 Trim Road, ON

Source: ESRI World Topographic Map

Order Number: 20200708076

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 5	NNW/181.0	45.3 / 0.56	CJ Oliver<UNOFFICIAL> 1009 Trim Rd Ottawa ON K4A 3P4	SPL

Ref No:	3077-6YQBED	**Discharger Report:**	
Site No:		**Material Group:**	Oil
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Other Discharges	**Sector Type:**	Other Motor Vehicle
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	FUEL (N.O.S.)	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2/24/2007	**Site Map Datum:**	
Dt Document Closed:	3/3/2007	**SAC Action Class:**	
Incident Reason:	Other - Reason not otherwise defined	**Source Type:**	

Site Name: Car into Ottawa River<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Toyota RAV4 into Ottawa River, poss spill of fuel+oil
Contaminant Qty: 25 L

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 5	NNW/181.0	45.3 / 0.56	1009 Trim Road Ottawa ON K4A 3P4	EHS

Order No:	20160104141	**Nearest Intersection:**	
Status:	C	**Municipality:**	Ottawa (Orleans)
Report Type:	RSC Report - Quote	**Client Prov/State:**	ON
Report Date:	11-JAN-16	**Search Radius (km):**	.3
Date Received:	04-JAN-16	**X:**	-75.48252
Previous Site Name:		**Y:**	45.498673
Lot/Building Size:	17.6 acres		

Additional Info Ordered: Title Searches; Aerial Photos

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 5	NNW/181.0	45.3 / 0.56	OZILES CAFE MARINA & TACKLE 1009 TRIM RD ORLEANS ON K4A3P4	RST

Headcode: 00824400
Headcode Desc: MARINAS
Phone: 6138410778
List Name: INFO-DIRECT(TM) BUSINESS FILE
Description:

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

1	4 of 5	NNW/181.0	45.3 / 0.56	**Petrie Island Bait & Tackle Shop Inc.; Gus Balint; Tom Stenta** **1009 Trim Rd** **Ottawa ON K4A 3P4**	SPL

Ref No:	0002-APFEM6	**Discharger Report:**	
Site No:	0834-APKFEV	**Material Group:**	
Incident Dt:	7/20/2017	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation; Individual; Individual
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	12	**Nearest Watercourse:**	
Contaminant Name:	GASOLINE	**Site Address:**	1009 Trim Rd
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	K4A 3P4
Contaminant UN No 1:	1203	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	NA
Receiving Env:	Surface Water	**Northing:**	NA
MOE Response:	Yes	**Easting:**	NA
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	NA
MOE Reported Dt:	7/20/2017	**Site Map Datum:**	NA
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Marine - Bulk Carrier/Tanker

Site Name: 1009 Trim Road
Site County/District: NA
Site Geo Ref Meth: NA
Incident Summary: Ottawa FD: Boat Submerged - 870L of gasoline to Ottawa River
Contaminant Qty: 870 L

1	5 of 5	NNW/181.0	45.3 / 0.56	**1009 Trim Road** **Orléans ON K4A 3P4**	EHS

Order No:	20180830202	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	07-SEP-18	**Search Radius (km):**	.25
Date Received:	30-AUG-18	**X:**	-75.484149
Previous Site Name:		**Y:**	45.50113
Lot/Building Size:	17.6 acres		

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory

2	1 of 1	SSW/13.6	50.4 / 5.68	**R.M. OF OTTAWA-CARLETON** **N.SERVICE RD./TRIM RD.** **CUMBERLAND TWP. ON**	CA

Certificate #:	7-0018-96-
Application Year:	96
Issue Date:	1/24/1996
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	

Contaminants:
Emission Control:

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3 ***1 of 1*** ***ESE/23.5*** ***50.3 / 5.62*** ***Ottawa ON*** ***WWIS***

Well ID:	7146926	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	6/17/2010
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	5
Audit No:	M03202	***Owner:***	
Tag:	A097264	***Street Name:***	1125 TRIM RD
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146926.pdf

Bore Hole Information

Bore Hole ID:	1003042050	***Elevation:***	53.892662
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	462353
Code OB Desc:		***North83:***	5038182
Open Hole:	No	***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/18/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003320237
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.83
Formation End Depth:	4.88

Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003320236
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0
Formation End Depth: 1.83
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003320240
Layer: 2
Plug From: 1.52
Plug To: 4.88
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003320239
Layer: 1
Plug From: 0
Plug To: 1.52
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003320245
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1003320235
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003320241
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 1.88
Casing Diameter: 4.03

Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003320242
Layer: 1
Slot: 10
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Hole Diameter

Hole ID: 1003320238
Diameter: 8.25
Depth From: 0
Depth To: 4.88
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003320190
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 5/18/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 54.193904
Elevrc:
Zone: 18
East83: 462382
North83: 5038244
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003320194
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003320193
Method Construction Code:
Method Construction:
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1003320195
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003320197
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 1.88
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003320196
Layer:
Slot:
Screen Top Depth: 1.88
Screen End Depth: 4.88
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003320198
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003320192
Diameter: 8.25
Depth From:
Depth To: 4.88
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003320208 ***Elevation:*** 52.327865
DP2BR: ***Elevrc:***
Spatial Status: ***Zone:*** 18

Code OB:		***East83:***	462286
Code OB Desc:		***North83:***	5038267
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	4
Date Completed:	5/18/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003320212
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1003320211
Method Construction Code:	
Method Construction:	
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1003320213
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003320215
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	2.44
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003320214
Layer:	
Slot:	
Screen Top Depth:	2.44
Screen End Depth:	5.49
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003320216
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	
Rate UOM:	
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1003320210
Diameter:	8.25
Depth From:	
Depth To:	5.49
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1003320226	***Elevation:***	52.502094
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	462420
Code OB Desc:		***North83:***	5038393
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	4
Date Completed:	5/18/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003320230
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1003320229
Method Construction Code:	
Method Construction:	
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1003320231
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003320233
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	2.74
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003320232
Layer:	
Slot:	
Screen Top Depth:	2.74
Screen End Depth:	5.79
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003320234
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	
Rate UOM:	
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1003320228
Diameter:	8.25
Depth From:	
Depth To:	5.79
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1003320199	**Elevation:**	54.947715
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	462451
Code OB Desc:		**North83:**	5038262
Open Hole:		**Org CS:**	UTM83
Cluster Kind:	This is a record from cluster log sheet	**UTMRC:**	4
Date Completed:	5/18/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003320203
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1003320202
Method Construction Code:	
Method Construction:	
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1003320204
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003320206
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	1.88
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003320205
Layer:	
Slot:	
Screen Top Depth:	1.88
Screen End Depth:	4.88
Screen Material:	
Screen Depth UOM:	m

Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003320207
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003320201
Diameter: 8.25
Depth From:
Depth To: 4.88
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003320217
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 5/18/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 52.832565
Elevrc:
Zone: 18
East83: 462351
North83: 5038333
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003320221
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003320220

Method Construction Code:
Method Construction:
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1003320222
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003320224
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.13
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003320223
Layer:
Slot:
Screen Top Depth: 2.13
Screen End Depth: 5.18
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003320225
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003320219
Diameter: 8.25
Depth From:
Depth To: 5.18
Hole Depth UOM: m
Hole Diameter UOM: cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	S/73.5	50.4 / 5.66	ON	BORE

Borehole ID:	880051	**Inclin FLG:**	No
OGF ID:	215586915	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	13-JUN-1972	**Municipality:**	
Static Water Level:	1.1	**Lot:**	LOT 30
Primary Water Use:		**Township:**	CUMBERLAND
Sec. Water Use:		**Latitude DD:**	45.496699
Total Depth m:	13.1	**Longitude DD:**	-75.482495
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	462302
Drill Method:	Diamond Drill	**Northing:**	5038243
Orig Ground Elev m:	52.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	53		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8000190	**Mat Consistency:**	Stiff
Top Depth:	1.1	**Material Moisture:**	
Bottom Depth:	4.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, (DESICCATED ZONE), BROWN, STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8000191	**Mat Consistency:**	Very Stiff
Top Depth:	4.5	**Material Moisture:**	
Bottom Depth:	13.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, GREY, VERY STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8000189	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	Fill-Misc
Material 1:	Fill	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRANULAR FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 1	S/78.0	51.8 / 7.13	ON	BORE

Borehole ID:	880113	**Inclin FLG:**	No
OGF ID:	215586960	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	09-JUN-1972	**Municipality:**	
Static Water Level:	1.1	**Lot:**	LOT 30
Primary Water Use:		**Township:**	CUMBERLAND
Sec. Water Use:		**Latitude DD:**	45.496663
Total Depth m:	34.4	**Longitude DD:**	-75.482469
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	462304
Drill Method:	Diamond Drill	**Northing:**	5038239
Orig Ground Elev m:	52.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	53.1		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8000408	**Mat Consistency:**	
Top Depth:	32.9	**Material Moisture:**	
Bottom Depth:	33.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	organic material	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ORGANIC INCLUSIONS **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8000405	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	Fill-Misc
Material 1:	Fill	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRANULAR FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8000407	**Mat Consistency:**	Stiff
Top Depth:	4.1	**Material Moisture:**	
Bottom Depth:	32.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY, GREY, STIFF TO HARD **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8000406	**Mat Consistency:**	Stiff
Top Depth:	1.1	**Material Moisture:**	
Bottom Depth:	4.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	

Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILTY CLAY (DESSICATED ZONE), BROWN, STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8000409	**Mat Consistency:**	Hard
Top Depth:	33.5	**Material Moisture:**	
Bottom Depth:	34.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAYEY SILT WITH AA. & GRN (GLACIAL TILL) HARD **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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6 | ***1 of 1*** | ***SE/86.8*** | ***53.0 / 8.27*** | ***lot 30 con 1 ON*** | ***WWIS***

Well ID:	1513141	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	10/28/1954
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1107
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	030
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513141.pdf

Bore Hole Information

Bore Hole ID:	10035129	**Elevation:**	54.41489
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	462410.8
Code OB Desc:	Overburden	**North83:**	5038302
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/31/1954	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931022516
Layer:	3
Color:	
General Color:	
Mat1:	07
Most Common Material:	QUICKSAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022514
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022517
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022515
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 40
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513141
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10583699
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062242
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 83
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513141
Pump Set At:
Static Level: 28
Final Level After Pumping: 28
Recommended Pump Depth:
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468642
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 83
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 23	SE/104.6	53.8 / 9.08	OTTAWA-CARLETON, REG. MUNIC. 1125 TRIM RD. REG. ROADS DEPT. YARD. CUMBERLAND TWP REG. RDS YARD 1125 TRIM ROAD CUMBERLAND TOWNSHIP ON K4A 3P4	SPL

Ref No:	149652	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	11/24/1997	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	CONTAINER OVERFLOW	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	20601
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	11/27/1997	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	ERROR	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	REG. OTTAWA-CARLETON- 1200L OF SALTY WATER TO GROUND.		
Contaminant Qty:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	2 of 23	SE/104.6	53.8 / 9.08	OTTAWA-CARLETON,REGIONAL MUNICIPALITY OF 1125 TRIM ROAD CUMBERLAND TWP. ON K4A 3K6	GEN

Generator No:	ON0303129	**PO Box No:**	
Status:		**Country:**	
Approval Years:	97,98,99	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	8371		
SIC Description:	TRANSPORTATION ADMIN.		

Detail(s)

Waste Class:	241
Waste Class Desc:	HALOGENATED SOLVENTS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	331

Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 269
Waste Class Desc: NON-HALOGENATED PESTICIDES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

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7 ***3 of 23*** ***SE/104.6*** ***53.8 / 9.08*** ***OTTAWA, CITY OF*** ***GEN***
1125 TRIM ROAD
CUMBERLAND TWP. ON K4A 3K6

Generator No: ON0303129 ***PO Box No:***
Status: ***Country:***
Approval Years: 00,01 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN.

Detail(s)

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

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 269
Waste Class Desc: NON-HALOGENATED PESTICIDES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

7	4 of 23	SE/104.6	53.8 / 9.08	City ot Ottawa 1125 Trim Road Orleans ON K4A 3P4	GEN

Generator No: ON8840559
Status:
Approval Years: 05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 811119
SIC Description: Other Automotive Mechanical and Electrical Repair and Maintenance

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

Detail(s)

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

7	5 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY 1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	EXP

Instance No: 9248268
Instance ID: 383530
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	6 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY 1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	EXP

Instance No:	10717109
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	1/11/1990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	7 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY 1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	EXP

Instance No:	10717003
Instance ID:	33419
Instance Type:	FS Liquid Fuel Tank
Description:	FS Liquid Fuel Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	8 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY 1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	EXP

Instance No:	10717145
Instance ID:	34305
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	9 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT; DUNDAS; GLENGARRY 1125 TRIM LOT30 CON1 CUMBERLAN ORLEANS ON	EXP

Instance No:	10717074
Instance ID:	32800
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	10 of 23	SE/104.6	53.8 / 9.08	City of Ottawa 1125 Trim Rd Ottawa ON K4A 3P4	GEN

Generator No: ON7981777
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 133
Waste Class Desc: BRINES, CHLOR-ALKALI WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	11 of 23	SE/104.6	53.8 / 9.08	City ot Ottawa 1125 Trim Road Orleans ON K4A 3P4	GEN

Generator No: ON8840559
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 811119
SIC Description: Other Automotive Mechanical and Electrical Repair and Maintenance

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

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	12 of 23	SE/104.6	53.8 / 9.08	City ot Ottawa 1125 Trim Road Orleans ON K4A 3P4	GEN

Generator No: ON8840559
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 811119
SIC Description: Other Automotive Mechanical and Electrical Repair and Maintenance

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

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	13 of 23	SE/104.6	53.8 / 9.08	City of Ottawa 1125 Trim Rd Ottawa ON K4A 3P4	GEN

Generator No: ON7981777
Status:
Approval Years: 2010
Contam. Facility:

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

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

MHSW Facility: **Phone No Admin:**
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

Detail(s)

Waste Class: 133
Waste Class Desc: BRINES, CHLOR-ALKALI WASTES

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7 **14 of 23** **SE/104.6** **53.8 / 9.08** **City ot Ottawa** **GEN**
1125 Trim Road
Orleans ON K4A 3P4

Generator No: ON8840559 **PO Box No:**
Status: **Country:**
Approval Years: 2011 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No Admin:**
SIC Code: 811119
SIC Description: Other Automotive Mechanical and Electrical Repair and Maintenance

Detail(s)

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

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7 **15 of 23** **SE/104.6** **53.8 / 9.08** **City ot Ottawa** **GEN**
1125 Trim Road
Orleans ON K4A 3P4

Generator No: ON8840559 **PO Box No:**
Status: **Country:**
Approval Years: 2012 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No Admin:**
SIC Code: 811119
SIC Description: Other Automotive Mechanical and Electrical Repair and Maintenance

Detail(s)

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

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7 **16 of 23** **SE/104.6** **53.8 / 9.08** **City ot Ottawa** **GEN**
1125 Trim Road
Orleans ON

Generator No: ON8840559 **PO Box No:**
Status: **Country:**
Approval Years: 2013 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No Admin:**
SIC Code: 811119
SIC Description: OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	17 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY 1125 TRIMLOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	EXP

Instance No: 10717003
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 1/11/1990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	18 of 23	SE/104.6	53.8 / 9.08	UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY 1125 TRIMLOT30 CON1 CUMBERLAN ORLEANS ON K0A 1S0	EXP

Instance No: 10717109
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 1/11/1990

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	19 of 23	SE/104.6	53.8 / 9.08	City ot Ottawa 1125 Trim Road Orleans ON K4A 3P4	GEN

Generator No: ON8840559
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 811119
SIC Description: OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Corrado Falcucci
Phone No Admin: 613-580-2424 Ext.12016

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	20 of 23	SE/104.6	53.8 / 9.08	City ot Ottawa 1125 Trim Road Orleans ON K4A 3P4	GEN

Generator No: ON8840559
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 811119
SIC Description: OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Corrado Falcucci
Phone No Admin: 613-580-2424 Ext.12016

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

Detail(s)

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

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7 | ***21 of 23*** | ***SE/104.6*** | ***53.8 / 9.08*** | ***City ot Ottawa*** ***1125 Trim Road*** ***Orleans ON K4A 3P4*** | ***GEN***

Generator No: ON8840559
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 811119
SIC Description: OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Corrado Falcucci
Phone No Admin: 613-580-2424 Ext.12016

Detail(s)

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

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7 | ***22 of 23*** | ***SE/104.6*** | ***53.8 / 9.08*** | ***City ot Ottawa Trim Depot*** ***1125 Trim Road*** ***Orleans ON K4A 3P4*** | ***GEN***

Generator No: ON8840559
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 147 I
Waste Class Desc: Chemical fertilizer wastes

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 148 I
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 221 I
Waste Class Desc: Light fuels

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

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

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 263 I
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 331 R
Waste Class Desc: Waste compressed gases including cylinders

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7 ***23 of 23*** ***SE/104.6*** ***53.8 / 9.08*** ***City ot Ottawa Trim Depot*** ***GEN***
1125 Trim Road
Orleans ON K4A 3P4

Generator No: ON8840559
Status: Registered
Approval Years: As of Apr 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 331 R
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 148 I
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

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

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 147 I
Waste Class Desc: Chemical fertilizer wastes

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 263 I
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

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8 | **1 of 1** | **SSE/126.1** | **53.6 / 8.86** | **lot 30 con 1 ON** | **WWIS**

Well ID: 1513158
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
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: 11/14/1961
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 030
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513158.pdf

Bore Hole Information

Bore Hole ID: 10035146
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 9/23/1961
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 54.280788
Elevrc:
Zone: 18
East83: 462370.8
North83: 5038223
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID:	931022563
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	102
Formation End Depth:	105
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022562
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	102
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513158
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583716
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062275
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513158
Pump Set At:	
Static Level:	28
Final Level After Pumping:	32
Recommended Pump Depth:	50
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	12
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468660
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105
Water Found Depth UOM:	ft

9 ***1 of 1*** ***ESE/172.1*** ***54.5 / 9.82*** ***ON*** ***BORE***

Borehole ID:	616407	**Inclin FLG:**	No
OGF ID:	215517195	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUN-1955	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.497245
Total Depth m:	29.9	**Longitude DD:**	-75.479444
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	462541
Drill Method:		**Northing:**	5038302
Orig Ground Elev m:	53.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	54.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403855	**Mat Consistency:**	
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	26.5	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID: 218403853
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Clay
Material 2: Soil
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Geology Stratum ID: 218403854
Top Depth: .3
Bottom Depth: 2.4
Material Color: Brown
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. BROWN.

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

Geology Stratum ID: 218403856
Top Depth: 26.5
Bottom Depth: 29.9
Material Color: Dark
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 00098OCITY = 6600. BEDROCK. SEISMIC VELOCITY = 19000. K. DARK,GREY,SOU
**Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08915 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

10	1 of 1	ESE/172.2	54.5 / 9.82	lot 29 con 1 ON	WWIS

Well ID: 1513142
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply

Data Entry Status:
Data Src: 1
Date Received: 8/5/1955
Selected Flag: Yes
Abandonment Rec:

Water Type:		**Contractor:**	1107
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	029
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513142.pdf

Bore Hole Information

Bore Hole ID:	10035130	**Elevation:**	54.310779
DP2BR:	87	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	462540.8
Code OB Desc:	Bedrock	**North83:**	5038302
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	6/27/1955	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931022519
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022521
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 87
Formation End Depth: 98
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022520
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 87
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022518
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Mat2 Desc: TOPSOIL
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513142
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10583700
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062244
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE

Depth From:	
Depth To:	98
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062243
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	88
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513142
Pump Set At:	
Static Level:	31
Final Level After Pumping:	42
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468643
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	98
Water Found Depth UOM:	ft

11 ***1 of 1*** ***S/188.1*** ***54.2 / 9.48*** ***ON*** ***BORE***

Borehole ID:	880851	***Inclin FLG:***	No
OGF ID:	215587661	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	28-MAY-1986	***Municipality:***	
Static Water Level:		***Lot:***	LOT 30
Primary Water Use:		***Township:***	CUMBERLAND
Sec. Water Use:		***Latitude DD:***	45.495665
Total Depth m:	36.5	***Longitude DD:***	-75.482256
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	462320
Drill Method:	Hollow stem auger	***Northing:***	5038128

Orig Ground Elev m: 51.9
Elev Reliabil Note:
DEM Ground Elev m: 52.5
Concession: CON 1 FROM THE OTTAWA
Location D:
Survey D:
Comments:
Location Accuracy:
Accuracy: Within 20 metres

Borehole Geology Stratum

Geology Stratum ID: 8003460
Top Depth: 36
Bottom Depth: 36.5
Material Color:
Material 1: Till
Material 2: Clay
Material 3: Silt - Sand
Material 4: Gravel
Gsc Material Description:
Stratum Description: HETEROGENEOUS MIXTURE OF SILTY CLAY, SAND, GRAVEL (GLACIAL TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen: glacial

Geology Stratum ID: 8003457
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 8003459
Top Depth: 2.8
Bottom Depth: 36
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY OF HIGH PLASTICITY, STIFF TO FIRM **Note: Many records provided by the department have a truncated [Stratum Description] field.
Mat Consistency: Stiff
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 8003458
Top Depth: .3
Bottom Depth: 2.8
Material Color:
Material 1: Topsoil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: DESICCATED TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

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12 | **1 of 1** | **SW/199.4** | **49.6 / 4.88** | **lot 30 CITY OF OTTAWA ON** | **WWIS**

Well ID: 7268069
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Data Entry Status:
Data Src:
Date Received: 8/2/2016
Selected Flag: Yes

Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7477
Casing Material:		**Form Version:**	7
Audit No:	Z170980	**Owner:**	
Tag:		**Street Name:**	N. SERVICE RD (190M W OF TRIM ROAD)
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	030
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7268069.pdf

Bore Hole Information

Bore Hole ID:	1006181578	**Elevation:**	46.250606
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	462059
Code OB Desc:		**North83:**	5038233
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/22/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006189926
Layer:	1
Plug From:	0
Plug To:	0.45
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006189927
Layer:	2
Plug From:	0.45
Plug To:	6.05
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006189925
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006189918
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006189922
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.05
Casing Diameter:	.75
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006189923
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1006189921
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	0
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006189920
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

13	*1 of 2*	*S/232.5*	*55.0 / 10.33*	***SEWERMATIC DRAIN SERVICES LTD.*** ***INTERSECTION OF TRIM AND RE. ROAD 174*** ***CUMBERLAND TANK TRUCK 4140 BELGREEN DRIVE, GLOUCESTER*** ***OTTAWA CITY ON***	*SPL*

Ref No:	210418	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/30/2001	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE	***Sector Type:***	

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

Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Possible	**Site Municipality:**	20107
Nature of Impact:	Multi Media Pollution	**Site Lot:**	
Receiving Medium:	Land, Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/31/2001	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TANK TRUCK SEWERMATIC: 125L HYDRAULIC FLUID TO ROAD AND DITCH. CLEANED.		
Contaminant Qty:			

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13 **2 of 2** **S/232.5** **55.0 / 10.33**

Canvec Leasing Inc.<UNOFFICIAL>
Hwy 174 east at the Trim Rd.<UNOFFICIAL>
Ottawa ON

SPL

Ref No:	4486-6XWRPJ	**Discharger Report:**	
Site No:		**Material Group:**	Oil
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Other Transport Accident	**Sector Type:**	Other Motor Vehicle
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	Diesel Fuel	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:	soil contamination	**Site Lot:**	
Receiving Medium:	Land	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Deferred Field Response	**Easting:**	
Dt MOE Arvl on Scn:	2/26/2007	**Site Geo Ref Accu:**	
MOE Reported Dt:	1/29/2007	**Site Map Datum:**	
Dt Document Closed:	3/3/2007	**SAC Action Class:**	
Incident Reason:		**Source Type:**	
Site Name:	Hwy 174 east at the Trim Rd.<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA:Hwy 174 E-TT, 150 L of diesel, 20 L oil&glycol to grnd		
Contaminant Qty:	150 L		

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14 **1 of 3** **SW/249.5** **47.2 / 2.53**

La Cite Collegiale
8865 North Service Rd
Ottawa ON K4A 0S9

CA

Certificate #:	0989-7TDJQC
Application Year:	2009
Issue Date:	6/26/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	

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

Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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14 **2 of 3** **SW/249.5** **47.2 / 2.53** **La Cite Collegiale** **SPL**
8865 North Service Rd
Ottawa ON

Ref No:	7144-92NPCU	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	04-DEC-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	38	**Nearest Watercourse:**	
Contaminant Name:	REFRIGERANT GAS, N.O.S.	**Site Address:**	8865 North Service Rd
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Possible	**Site Municipality:**	Ottawa
Nature of Impact:	Air Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	5037780
MOE Response:	No Field Response	**Easting:**	462000
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	Map
MOE Reported Dt:	04-DEC-12	**Site Map Datum:**	NAD27
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Material Failure ¿ Poor Design/Substandard Material	**Source Type:**	

Site Name: 8865 North Service Road
Site County/District:
Site Geo Ref Meth: 10 -100 metres eg. Topographic Map
Incident Summary: Cite Collegiate: 850 lbs R 134A to Atm.
Contaminant Qty: 805 lb

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14 **3 of 3** **SW/249.5** **47.2 / 2.53** **La Cite Collegiale** **ECA**
8865 North Service Rd
Ottawa ON K1K 4R3

Approval No:	0989-7TDJQC	**MOE District:**	
Approval Date:	2009-06-26	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 8865 North Service Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2076-7SUPES-14.pdf

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15 **1 of 3** **ENE/249.9** **49.9 / 5.22** **6383009 Canada Inc.** **CA**
8911 North Service Road Part of Lots 28 and 29, Concession 1
Ottawa ON

Certificate #: 5176-744QFM

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

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:

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15 | **2 of 3** | **ENE/249.9** | **49.9 / 5.22** | **6383009 Canada Inc.**
8911 North Service Road Part of Lots 28 and 29, Concession 1
Ottawa ON K1J 9K8 | **ECA**

Approval No: 5176-744QFM
Approval Date: 2007-06-17
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 8911 North Service Road Part of Lots 28 and 29, Concession 1
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6054-73YQGX-14.pdf

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

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15 | **3 of 3** | **ENE/249.9** | **49.9 / 5.22** | **n/a**
Ottawa ON | **EHS**

Order No: 20171127127
Status: C
Report Type: Custom Report
Report Date: 06-DEC-17
Date Received: 27-NOV-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.47857
Y: 45.500581

Unplottable Summary

Total: 32 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	c.M. OF OTTAWA-CARLETON-TRANSPORT. DEPT.	RR # 57(TRIM RD.)/RR # 34	CUMBERLAND TWP. ON	
CA	TENTH LINE DEVELOPMENT INC.	RIVERWALK SUBD/ST.1/N.SERV.RD.	CUMBERLAND TWP. ON	
CA	Regional Municipality of Ottawa-Carleton	JEANNE D'ARC BLVD.	CUMBERLAND TWP. ON	
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON	
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON	
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON	
GEN	Hydro One Networks Inc	Navin DS Trim Road	Ottawa ON	
PRT	MINISTRY OF TRANSPORTATION	LOT 30 CON 1	CUMBERLAND TWP ON	
SPL	CONSUMERS GAS	HWY 17 NATURAL GAS PIPELINE	CUMBERLAND TWP. ON	
SPL	CONTRACTOR	HIGHWAY 17 CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	City of Ottawa	Hwy 174 (between Quigley Hill Rd. & Trim Rd.)	Ottawa ON	
SPL	City of Ottawa	Jeanne D'Arc westbound On-ramp to Hwy 174	Ottawa ON	
SPL	Glen Tay Transportation GP Inc.	and Trim Road	Ottawa ON	
SPL	City of Ottawa	Jeanne D'arc Blvd, westbound on-ramp	Ottawa ON	
SPL	City of Ottawa	JEAN D'ARC RD., NORTH OF HWY 174<UNOFFICIAL>	Ottawa ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 30 con 1	ON	

WWIS	lot 29 con 1	ON
WWIS	lot 29 con 1	ON
WWIS	lot 29 con 1	ON
WWIS	lot 30 con 1	ON
WWIS	lot 31 con 1	ON
WWIS	lot 31 con 1	ON
WWIS	lot 29 con 1	ON
WWIS	lot 31 con 1	ON
WWIS	lot 29 con 1	ON
WWIS	lot 29 con 1	ON
WWIS	lot 29 con 1	ON
WWIS	lot 30 con 1	ON
WWIS	lot 30 con 1	ON
WWIS	lot 30 con 1	ON
WWIS	lot 29 con 1	ON

Unplottable Report

Site: ***c.M. OF OTTAWA-CARLETON-TRANSPORT. DEPT.***
RR # 57(TRIM RD.)/RR # 34 CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-0857-91-
Application Year:	91
Issue Date:	7/10/1991
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***TENTH LINE DEVELOPMENT INC.***
RIVERWALK SUBD/ST.1/N.SERV.RD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	7-0546-95-
Application Year:	95
Issue Date:	6/27/1995
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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: ***Hydro One Networks Inc***
Navin DS Trim Road Ottawa ON

Database: ***GEN***

Generator No: ON2571108 ***PO Box No:***

Status: | ***Country:***
Approval Years: 2012 | ***Choice of Contact:***
Contam. Facility: | ***Co Admin:***
MHSW Facility: | ***Phone No Admin:***
SIC Code: 221122
SIC Description: Electric Power Distribution

Detail(s)

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

Site: ***Hydro One Networks Inc***
Navin DS Trim Road Ottawa ON

Database: ***GEN***

Generator No: ON2571108 | ***PO Box No:***
Status: | ***Country:***
Approval Years: 2011 | ***Choice of Contact:***
Contam. Facility: | ***Co Admin:***
MHSW Facility: | ***Phone No Admin:***
SIC Code: 221122
SIC Description: Electric Power Distribution

Detail(s)

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

Site: ***Hydro One Networks Inc***
Navin DS Trim Road Ottawa ON

Database: ***GEN***

Generator No: ON2571108 | ***PO Box No:***
Status: | ***Country:***
Approval Years: 2010 | ***Choice of Contact:***
Contam. Facility: | ***Co Admin:***
MHSW Facility: | ***Phone No Admin:***
SIC Code: 221122
SIC Description: Electric Power Distribution

Detail(s)

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

Site: ***Hydro One Networks Inc***
Navin DS Trim Road Ottawa ON

Database: ***GEN***

Generator No: ON2571108 | ***PO Box No:***
Status: | ***Country:***
Approval Years: 2009 | ***Choice of Contact:***
Contam. Facility: | ***Co Admin:***
MHSW Facility: | ***Phone No Admin:***
SIC Code: 221122
SIC Description: Electric Power Distribution

Detail(s)

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

Site: ***MINISTRY OF TRANSPORTATION***
LOT 30 CON 1 CUMBERLAND TWP ON

Database: ***PRT***

Location ID:	3686
Type:	private
Expiry Date:	
Capacity (L):	27280.00
Licence #:	0001011683

Site: ***CONSUMERS GAS***
HWY 17 NATURAL GAS PIPELINE CUMBERLAND TWP. ON

Database: ***SPL***

Ref No:	39641	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/23/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20601
Nature of Impact:	Human health	***Site Lot:***	
Receiving Medium:	AIR	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/23/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	DAMAGE BY MOVING EQUIPMENT	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CONSUMERS GAS-PIPELINE RUPTURE.		
Contaminant Qty:			

Site: ***CONTRACTOR***
HIGHWAY 17 CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	91870	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/30/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20601
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	MTO
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/30/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CONTRACTOR: 45 L HYDRAULIC OIL TO GROUND FROM PAVER		
Contaminant Qty:			

Site: ***City of Ottawa***
Hwy 174 (between Quigley Hill Rd. & Trim Rd.) Ottawa ON

Database: ***SPL***

Ref No:	2732-AM6TPX	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/8/2017	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Municipal Government
Incident Cause:		***Sector Type:***	Unknown / N/A
Incident Event:	Other	***Agency Involved:***	
Contaminant Code:	99	***Nearest Watercourse:***	
Contaminant Name:	SAND/GRAVEL	***Site Address:***	Hwy 174 (between Quigley Hill Rd. & Trim Rd.)
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:	n/a	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Land; Surface Water	***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/8/2017	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Flooding	***Source Type:***	Unknown / N/A
Site Name:	Slope re-stabilization of Hwy 174<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City of Ottawa: Need to stabilize section of Hwy 174 slope.		
Contaminant Qty:	2000 ton (Imperial)		

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

Database: ***SPL***

Ref No:	6805-A82M9Z	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2016/03/14	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT N.O.S.	***Site Address:***	Jeanne D'Arc westbound On-ramp to Hwy 174
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Land	***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2016/03/14	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	Jeanne D'Arc westbound On-ramp to Hwy 174<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo: 60 L engine coolant to cb		
Contaminant Qty:	60 L		

Site: ***Glen Tay Transportation GP Inc.***
and Trim Road Ottawa ON

Database: ***SPL***

Ref No:	5226-9MB49B	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2014/07/23	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Collision/Accident	***Sector Type:***	Truck - Transport/Hauling

Incident Event:		***Agency Involved:***	
Contaminant Code:	99	***Nearest Watercourse:***	Great Lakes - St. Lawrence; Lower Ottawa River; Rideau River; Ottawa River
Contaminant Name:	SAND/GRAVEL	***Site Address:***	and Trim Road
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Priority Field Response (ERP Callout)	***Easting:***	
Dt MOE Arvl on Scn:	2014/07/24	***Site Geo Ref Accu:***	
MOE Reported Dt:	2014/07/23	***Site Map Datum:***	
Dt Document Closed:	2014/11/21	***SAC Action Class:***	Land Spills
Incident Reason:	Operator/Human Error	***Source Type:***	
Site Name:	Regional Rd 174 Eastbound<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Glen Tay Transportation: ukn diesel to ditch		
Contaminant Qty:	200 kg		

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

Database: ***SPL***

Ref No:	7273-7DQGC7	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	24	***Nearest Watercourse:***	
Contaminant Name:	ETHYLENE GLYCOL (ANTIFREEZE)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/15/2008	***Site Map Datum:***	
Dt Document Closed:	4/18/2008	***SAC Action Class:***	Watercourse Spills
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	OC Transpo Bus spill<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC-Transpo -10L glycol to road/sewer		
Contaminant Qty:	10 L		

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

Database: ***SPL***

Ref No:	0881-6VWMXM	***Discharger Report:***	
Site No:		***Material Group:***	Chemicals
Incident Dt:	11/26/2006	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa

Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/26/2006	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo, 40 L coolant to rd,clnd up by City		
Contaminant Qty:	40 L		

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID:	1521576	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/13/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OS
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:	10043398	***Elevation:***	
DP2BR:	60	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/28/1987	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931048530
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048532
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048531
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521576
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591968
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075807
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 95

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

Construction Record - Casing

Casing ID: 930075806
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 62
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521576
Pump Set At:
Static Level: 60
Final Level After Pumping: 95
Recommended Pump Depth: 80
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934909944
Test Type: Recovery
Test Duration: 60
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107051
Test Type: Recovery
Test Duration: 15
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390733
Test Type: Recovery
Test Duration: 30
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652294
Test Type: Recovery
Test Duration: 45

Test Level: 60
Test Level UOM: ft

Water Details

Water ID: 933479199
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

Site:
lot 30 con 1 ON

Database: ***WWIS***

Well ID: 1519983
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: 10/22/1985
Selected Flag: Yes
Abandonment Rec:
Contractor: 4550
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 030
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10041833
DP2BR: 20
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/22/1985
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931043357
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 73

Mat3 Desc: HARD
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043358
Layer: 2
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 68
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933108953
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519983
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590403
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073036
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 68
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073035
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519983
Pump Set At:
Static Level: 10
Final Level After Pumping: 50
Recommended Pump Depth: 65
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 5
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: No

Draw Down & Recovery

Pump Test Detail ID: 934654420
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904368
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110265
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376230
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933477105
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 65

Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID:	1519782	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/25/1985
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
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:	10041635	***Elevation:***	
DP2BR:	60	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/30/1985	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931042710
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931042713
Layer:	4

Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 61
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042714
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61
Formation End Depth: 77
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042712
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042711
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519782
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10590205
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072704
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 77
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930072703
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 64
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519782
Pump Set At:
Static Level: 31
Final Level After Pumping: 45
Recommended Pump Depth: 60
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 20
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934109668
Test Type: Recovery
Test Duration: 15
Test Level: 31
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934894722
Test Type:	Recovery
Test Duration:	60
Test Level:	31
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654938
Test Type:	Recovery
Test Duration:	45
Test Level:	31
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384397
Test Type:	Recovery
Test Duration:	30
Test Level:	31
Test Level UOM:	ft

Water Details

Water ID:	933476855
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72
Water Found Depth UOM:	ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID:	1519982	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/23/1985
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
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:	10041832	***Elevation:***	
DP2BR:	118	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	

Cluster Kind:
Date Completed: 6/27/1985
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

Overburden and Bedrock Materials Interval

Formation ID: 931043356
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 131
Formation End Depth: 145
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043353
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043354
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 118
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043355

Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 118
Formation End Depth: 131
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519982
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10590402
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073034
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 145
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073033
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 133
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519982
Pump Set At:
Static Level: 46
Final Level After Pumping: 140
Recommended Pump Depth: 110
Pumping Rate: 100
Flowing Rate:
Recommended Pump Rate: 100
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934654419
Test Type:
Test Duration: 45
Test Level: 46
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904367
Test Type:
Test Duration: 60
Test Level: 46
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110264
Test Type:
Test Duration: 15
Test Level: 46
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376229
Test Type:
Test Duration: 30
Test Level: 46
Test Level UOM: ft

Water Details

Water ID: 933477104
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 145
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID: 1524440
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 53749
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 4/3/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01

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

Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046190
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 2/20/1990
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931057927
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 20
Formation End Depth: 106
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931057925
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931057926
Layer: 2
Color: 7

General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 3
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931057928
Layer: 4
Color: 4
General Color: GREEN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 106
Formation End Depth: 109
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110736
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524440
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10594760
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080882
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 109
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991524440
Pump Set At:	
Static Level:	45
Final Level After Pumping:	95
Recommended Pump Depth:	95
Pumping Rate:	9
Flowing Rate:	
Recommended Pump Rate:	3
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:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934902400
Test Type:	
Test Duration:	60
Test Level:	95
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934393051
Test Type:	
Test Duration:	30
Test Level:	95
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108823
Test Type:	
Test Duration:	15
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934653599
Test Type:	
Test Duration:	45
Test Level:	95
Test Level UOM:	ft

Water Details

Water ID:	933483073
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	109
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 30 con 1 ON

Well ID: 1529982 ***Data Entry Status:***

Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	4/14/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	6964
Casing Material:		***Form Version:***	1
Audit No:	174837	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	030
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
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:	10051517	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/5/1997	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931074101
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115095
Layer:	3
Plug From:	9
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment

Sealing Record

Plug ID:	933115093
Layer:	1
Plug From:	0
Plug To:	8
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115094
Layer:	2
Plug From:	8
Plug To:	9
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529982
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID:	10600087
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Screen

Screen ID:	933326773
Layer:	1
Slot:	040
Screen Top Depth:	10
Screen End Depth:	15
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Results of Well Yield Testing

Pump Test ID:	991529982
Pump Set At:	
Static Level:	4
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Site: ***Database:***

Well ID:	1526024	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/27/1992
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:	110660	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	031
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
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:	10047759	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/12/1991	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931062995
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	79
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931062993
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	05

Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062994
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 70
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526024
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10596329
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083629
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 79
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526024
Pump Set At:
Static Level: 12
Final Level After Pumping: 30
Recommended Pump Depth: 30
Pumping Rate: 50
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934389850
Test Type:
Test Duration: 30
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106216
Test Type:
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650373
Test Type:
Test Duration: 45
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907991
Test Type:
Test Duration: 60
Test Level: 12
Test Level UOM: ft

Water Details

Water ID: 933485198
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 78
Water Found Depth UOM: ft

Site:
lot 31 con 1 ON

Database: ***WWIS***

Well ID: 1526051
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 110661
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 1/27/1992
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 031

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

Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047786
DP2BR: 122
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 4/15/1992
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931063070
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 29
Mat2 Desc: FINE GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 115
Formation End Depth: 118
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063068
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063072
Layer: 5

Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 122
Formation End Depth: 145
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063071
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Mat2 Desc: COARSE GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 118
Formation End Depth: 122
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063069
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 115
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526051
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10596356
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083656
Layer: 1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 144
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526051
Pump Set At:
Static Level: 12
Final Level After Pumping: 30
Recommended Pump Depth: 30
Pumping Rate: 100
Flowing Rate:
Recommended Pump Rate: 30
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934650389
Test Type: Recovery
Test Duration: 45
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908007
Test Type: Recovery
Test Duration: 60
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389866
Test Type: Recovery
Test Duration: 30
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106232
Test Type: Recovery
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Water Details

Water ID: 933485228
Layer: 1
Kind Code: 3

Kind: SULPHUR
Water Found Depth: 145
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID: 1526101
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 110376
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: 2/10/1992
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047834
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 1/9/1992
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931063212
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063215
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 119
Formation End Depth: 122
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063213
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 22
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063214
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 40
Formation End Depth: 119
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111536
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526101
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10596404
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083724
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 122
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526101
Pump Set At:
Static Level: 65
Final Level After Pumping: 75
Recommended Pump Depth: 110
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934650851
Test Type:
Test Duration: 45
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106277
Test Type:
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908049
Test Type:
Test Duration: 60
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389908
Test Type:
Test Duration: 30
Test Level: 75
Test Level UOM: ft

Water Details

Water ID: 933485311
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 122
Water Found Depth UOM: ft

Site:
lot 31 con 1 ON

Database: ***WWIS***

Well ID: 1527548
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 125863
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: 12/2/1993
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 031
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049183
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 10/26/1993
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931066986
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066985
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066987
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 29
Mat2 Desc: FINE GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 73
Formation End Depth: 74
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112525
Layer: 1
Plug From: 5
Plug To: 25
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112526
Layer: 2
Plug From: 68
Plug To: 74
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961527548
Method Construction Code: 4

Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10597753
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085896
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 74
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991527548
Pump Set At:
Static Level: 12
Final Level After Pumping: 30
Recommended Pump Depth: 30
Pumping Rate: 50
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934111202
Test Type:
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386018
Test Type:
Test Duration: 30
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655344
Test Type:
Test Duration: 45
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903717
Test Type:
Test Duration: 60
Test Level: 12
Test Level UOM: ft

Water Details

Water ID: 933487035
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database: ***WWIS***

Well ID: 1528002
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 142834
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: 7/28/1994
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049544
DP2BR: 68
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/28/1994
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068243
Layer: 1

Color: 5
General Color: YELLOW
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068244
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068245
Layer: 3
Color: 6
General Color: BROWN
Mat1: 19
Most Common Material: SLATE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 68
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068246
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 69
Formation End Depth: 83
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112856
Layer: 1
Plug From: 4
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528002
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598114
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086574
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 83
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930086573
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528002
Pump Set At:
Static Level: 36
Final Level After Pumping: 82
Recommended Pump Depth: 70
Pumping Rate: 100
Flowing Rate:
Recommended Pump Rate: 100
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934904799
Test Type: Recovery
Test Duration: 60
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386679
Test Type: Recovery
Test Duration: 30
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656428
Test Type: Recovery
Test Duration: 45
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111870
Test Type: Recovery
Test Duration: 15
Test Level: 36
Test Level UOM: ft

Water Details

Water ID: 933487569
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 76
Water Found Depth UOM: ft

Water Details

Water ID: 933487570
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID: 1528953
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 154676
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 5/17/1996
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA

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

Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050489
DP2BR: 64
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 3/23/1996
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931071287
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 55
Formation End Depth: 64
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071289
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 68
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071286
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 25
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071288
Layer: 4
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Mat2 Desc: POROUS
Mat3:
Mat3 Desc:
Formation Top Depth: 64
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071285
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113951
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528953
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10599059
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088226
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930088225
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 68
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528953
Pump Set At:
Static Level: 55
Final Level After Pumping: 55
Recommended Pump Depth: 66
Pumping Rate: 25
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934389432
Test Type:
Test Duration: 30
Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907132
Test Type:
Test Duration: 60

Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105806
Test Type:
Test Duration: 15
Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658607
Test Type:
Test Duration: 45
Test Level: 55
Test Level UOM: ft

Water Details

Water ID: 933488849
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database: ***WWIS***

Well ID: 1529160
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Commerical
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 116778
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: 10/28/1996
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050696
DP2BR: 90
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/15/1996
Remarks:
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

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

Overburden and Bedrock Materials Interval

Formation ID: 931071980
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071983
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3: 17
Mat3 Desc: SHALE
Formation Top Depth: 90
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071981
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 40
Formation End Depth: 88
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071982
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND

Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 88
Formation End Depth: 90
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114141
Layer: 1
Plug From: 3
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529160
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10599266
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088565
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991529160
Pump Set At:
Static Level: 40
Final Level After Pumping: 50
Recommended Pump Depth: 80
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 12
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: No

Draw Down & Recovery

Pump Test Detail ID: 934115036
Test Type: Draw Down
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908121
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390000
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934659728
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933489096
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 98
Water Found Depth UOM: ft

Site:
lot 30 con 1 ON

Database: ***WWIS***

Well ID: 1529980
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: 174835
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: 4/14/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 6964
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 030
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10051515	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/5/1997	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931074099
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115089
Layer:	3
Plug From:	9
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115088
Layer:	2
Plug From:	8
Plug To:	9
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115087
Layer:	1
Plug From:	2
Plug To:	8
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961529980
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10600085
Casing No: 1
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 933326771
Layer: 1
Slot: 040
Screen Top Depth: 10
Screen End Depth: 15
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 991529980
Pump Set At:
Static Level: 4
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Site:
lot 30 con 1 ON

Database: ***WWIS***

Well ID: 1529981
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: 174834
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: 4/14/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 6964
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 030
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10051516	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/5/1997	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931074100
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115090
Layer:	1
Plug From:	0
Plug To:	8
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115091
Layer:	2
Plug From:	8
Plug To:	9
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115092
Layer:	3
Plug From:	9
Plug To:	15
Plug Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID: 961529981
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10600086
Casing No: 1
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 933326772
Layer: 1
Slot: 040
Screen Top Depth: 10
Screen End Depth: 15
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 991529981
Pump Set At:
Static Level: 14
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Site:
lot 30 con 1 ON

Database: ***WWIS***

Well ID: 1529983
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: 174819
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: 4/14/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 6964
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 030
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051518
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 12/5/1997
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931074102
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 17
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115096
Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115098
Layer: 3
Plug From: 6
Plug To: 12
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115097
Layer: 2
Plug From: 5
Plug To: 6
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529983
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10600088
Casing No: 1
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 933326774
Layer: 1
Slot: 040
Screen Top Depth: 7
Screen End Depth: 12
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 991529983
Pump Set At:
Static Level: 4
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Site:
lot 29 con 1 ON

Database: ***WWIS***

Well ID: 1533128
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 237083
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 9/25/2002
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: OF
Easting NAD83:

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

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10529875
DP2BR: 12
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/28/2002
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932880217
Layer: 2
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932880216
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933230199
Layer: 1
Plug From: 0
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961533128
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11078445
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930096293
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533128
Pump Set At:
Static Level: 15
Final Level After Pumping: 30
Recommended Pump Depth: 40
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 10
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: No

Draw Down & Recovery

Pump Test Detail ID: 934393940
Test Type: Draw Down
Test Duration: 30
Test Level: 28
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934119090
Test Type: Draw Down
Test Duration: 15
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934911209
Test Type:	Draw Down
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934663224
Test Type:	Draw Down
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	934022506
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68
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 2019

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Jun 2020

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Dec 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jun 30, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Jun 30, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jun 30, 2020

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Jun 30, 2020

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Apr 30, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

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

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Apr 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Apr 30, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-May 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jun 30, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Jun 30, 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Jun 30, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental 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-May 2020

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Jun 30, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

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 3

QUALIFICATIONS OF ASSESSORS

Mandy Witteman, B.Eng., M.A.Sc.

patersongroup

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015
Thurber Engineering Limited
Oil Sand Tailings Group
Tailings Engineer

2009 – 2014
Carleton University
Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009
SLR Consulting Limited
Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

Mark S. D'Arcy, P. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa