



**Phase One Environmental
Site Assessment
89 Richmond Road,
Ottawa, Ontario**

Client:

Mr. Mahendra Vaidya
648 Mansfield Avenue
Ottawa, Ontario K2A 2T6

Project Number:

OTT-00240343-A0

Prepared By: Scott Lessard, B. Sc.

Reviewed By: Shawn Doherty, P. Eng.

exp Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 7H6 Canada

Type of Document:

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Date Submitted:

June 21, 2017

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Prepared By:
exp Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 8H6
Canada
T: 613 688-1899
F: 613 225-7337
www.exp.com



Scott Lessard, B. Sc.
Environmental Scientist
Earth and Environment



Shawn Doherty, P. Eng.
Senior Environmental Engineer
Earth and Environment



Date Submitted:
June 21, 2017

Legal Notification

This report was prepared by **exp** Services Inc. for the account of **Mr. Mahendra Vaidya**.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. **Exp** Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this project.

Executive Summary

Exp Services Inc. (**exp**) was retained by Mr. Mahendra Vaidya to complete a Phase One Environmental Site Assessment (ESA) of the property referred to as 89 Richmond Road, located in Ottawa, Ontario, herein referred to as the "Site." The purpose of this Phase One ESA was to determine if past or present site activities have resulted in actual or potential contamination at the Site. **Exp** understands that Mr. Vaidya is planning to redevelop the Site with a 3-storey mixed commercial/residential building. Consequently, this Phase One ESA will be used in support of the City of Ottawa Site Plan Approval permitting requirements and that a Record of Site Condition (RSC) is not required.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Section 8 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

A written response from some regulatory agencies typically requires several months to receive. If upon receipt of the response from the regulatory agencies, significant environmental issues are identified, **exp** will forward their response to the client as an addendum to this report.

The Site consists of a 2-storey, mixed commercial/residential building located at 89 Richmond Road, Ottawa, Ontario. The ground floor consists of the commercial space and the second floor consists of residential space. The building has an approximate footprint of 115m². The Site is rectangular in shape, covers an area of approximately 370 m² (0.09 acres or 0.036 hectares) and is located on the northern side of Richmond Road between Island Park Drive and Patricia Avenue.

The property is legally described as Plan 400 Lot 83 Richmond Rd; N and the PIN is 040210110. No environmental concerns were identified based on the current site use. Prior to its current use, the site was vacant land and therefore no environmental concerns are suspected related to past site uses.

The surrounding area of the Site was observed to be developed with residential houses to the north, mixed commercial/residential buildings to the west and south, and a residential house following by a restaurant to the east. No environmentally sensitive activities or infrastructures that could present any environmental concerns to the Site were observed on the adjacent properties based on observations made from the boundaries of the Site. However, historical neighbouring uses included retail fuel outlets, dry cleaners and service stations which pose environmental concerns to the site.

Topographically, the Site is relatively flat with the northern section of the property sloping slightly northwards. The surrounding area has a slight downwards slope towards the north. The closest body of water is the Ottawa River, located approximately 1.2 kilometres northwest of the Site. The groundwater flow direction is inferred to be northwest towards the Ottawa River.

Due to the age of the building on the Site, it is considered likely that it may contain Designated Substances. Therefore, prior to demolition, a Designated Substance Survey (DSS) should be conducted for the building.

Based on the results of the Phase One ESA, the following information is provided in Table EX-1 in support of the Phase One QP's conclusion.

Table EX-1: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contribution to APEC at the Site (Yes/No)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)	APEC Hazard Ranking (Low/Medium/High)
1. Current automotive garage and former RFO (77 Richmond Road) operated between 1950s and 1980s	#27 – Garages and Maintenance #28 – Gasoline and Associated Products Storage in Fixed Tanks	30 m east	Yes	Soil and groundwater: petroleum hydrocarbons (PHC) and benzene, toluene, ethylbenzene, xylene (BTEX)	High
2. Former RFO located at 109/119 Richmond Road (now 101 Richmond Road) operated between the 1950s and 2000s	#28 – Gasoline and Associated Products Storage in Fixed Tanks	50 m west	Yes	Soil and groundwater: PHC and BTEX	Medium
3. Former automotive garage located at 72 Richmond Road operated between the 1950s and 2010s and spill in 1988	#27 – Garages and Maintenance	40 m east	Yes	Soil and groundwater: PHC and BTEX	High
4. Former RFO located at 70 Richmond Road operated between 1940s and 1960s. Also formerly operated as an automotive garage between the 1960s and 2010s	#27 – Garages and Maintenance #28 – Gasoline and Associated Products Storage in Fixed Tanks	65 m east	Yes	Soil and groundwater: PHC and BTEX	High
5. Former dry cleaners located at 90 Richmond Road (now 98 Richmond Road) operated between 1969 and the early 1970s	#37 – Operation of Dry Cleaning Equipment	30 m southeast	Yes	Groundwater: VOCs	Low

To reduce the degree of uncertainty surrounding the environmental concerns identified during this Phase One ESA, a Phase Two ESA is recommended and the rationale for proposing such recommendations are provided below in Table EX-2.

Table EX-2: Issues Identified, Recommendations and Rationale

Issue Identified	Recommendation	Rationale
Potential impacts in soil and groundwater from the off-site RFOs, automotive garages, spill and dry cleaner.	Advance three (3) to four (4) boreholes and install monitoring wells to collect soil and groundwater samples for PHC, BTEX and VOCs analyses.	To assess soil and groundwater conditions at the Site.

Due to the age of the buildings on the Site, it is considered likely that they many contain Designated Substances. Therefore, prior to renovation or demolition, a Designated Substance Survey (DSS) should be conducted for the Site buildings.

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

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1. Introduction

Exp Services Inc. (**exp**) was retained by Mr. Mahendra Vaidya to complete a Phase One Environmental Site Assessment (ESA) of the property referred to as 89 Richmond Road in Ottawa, Ontario, hereinafter referred to as the 'Site'. A site location plan is presented as Figure 1 in Appendix B. At the time of the investigation, the Site was owned by Ms. Lydia Wu and Mr. George Cai.

Owner Contact: Ms. Lydia Wu and Mr. George Cai
89 Richmond Road
Ottawa, Ontario K1Z 6V8

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third party beneficiaries are intended. The scope of report and third party reliance are outlined in Appendix A.

1.1 Objective

Exp understands that the Site is to be potentially redeveloped with a three (3)-storey mixed commercial/residential building with an underground parking garage. Consequently, the objective of this Phase One ESA was to identify potential sources of environmental concern to the subject property. **Exp** understands this Phase One ESA will be used for in support of the City of Ottawa Site Plan Approval permitting requirements and that a Record of Site Condition is not required.

1.2 Phase One Property Information

The Site consists of a 2-storey, mixed commercial/residential building located at 89 Richmond Road, Ottawa, Ontario. The ground floor consists of the commercial space and the second floor consists of residential space. The building has an approximate footprint of 115m². The Site is rectangular in shape, covers an area of approximately 370 m² (0.09 acres or 0.036 hectares) and is located on the northern side of Richmond Road between Island Park Drive and Patricia Avenue. A site plan is presented as Figure. 2 in Appendix B. The property is legally described as Plan 400 Lot 83 Richmond Rd; N and the PIN is 040210110.

At the time of the investigation, the property was developed as a 2-storey mixed commercial/residential building with a gravel parking area to the north and an asphalt driveway to the east of the building. The parking area is accessed via Richmond Road to the south. The property is municipally serviced by the City of Ottawa and neighboured by a mixed residential/commercial property to the west and multi-tenant residential properties to the north and east.

Topographically, the Site is relatively flat with the northern section of the property sloping slightly northwards. The surrounding area has a slight downwards slope towards the north. The closest body of water is the Ottawa River, located approximately 1.2 kilometres northwest of the Site.

Regional groundwater flow direction is inferred to be in the northwestern direction towards the Ottawa River. The approximate Universal Transverse Mercator (UTM) coordinates for the Site centroid is NAD83, Zone 18, 441800 m E, 5027309 m N. The UTM coordinates were based on an estimate derived using Google Earth™. The accuracy of the centroid is estimated to range from 5 to 50 m.

2. Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the site and surrounding properties within a 250 metre radius of the site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the site;
- Obtaining a search of land title and assessment rolls for the site;
- Conducting at least one site reconnaissance of the site and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated site representative(s) as a resource for current and historical site information, as well as to provide **exp** staff with unrestricted access to all areas of the site and site buildings (as required by O.Reg 153/04);
- Reviewing the current use of the site and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the site; and,
- Preparing a report to document the findings.

In completing the scope of work, **exp** did not conduct any intrusive investigations, including sampling, analyses, or monitoring.

Exp has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

Exp personnel who conducted assessment work for this project included Scott Lessard, B.Sc., and Shawn Doherty, P. Eng. An outline of their qualifications is provided in Appendix A.

3. Records Review

3.1 Phase One ESA Study Area Determination

The Phase One ESA study area consisted of the neighbourhood and extending a distance of 250 metres from the Site. Surrounding properties consist of mainly residential including single-family homes to the adjacent north, a low-rise mixed residential/commercial building to the adjacent west and a multi-tenant residential building following by commercial buildings to the adjacent east. There is a mixed residential/commercial building across Richmond Road to the south. It is noted that the Ottawa River is located approximately 1.2 km to the northwest of the site. A site plan is presented as Figure 2 in Appendix B.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, chain of title for the property, historical maps, and other records review, it appears that the Site has been developed as residential in the early 1900s.

3.3 Fire Insurance Plans

A search of The Catalogue of Canadian Fire Insurance Plans 1875 – 1975 (Catalogue) was conducted to determine if fire insurance plans (FIPs) for the site existed. Fire insurance plans for the year 1956 was reviewed.

The FIP for 1956 shows the Site as developed with a 2-storey building with a similar footprint to the current building. There is a wooden private garage located on the northeast corner of the property. There is no indication of any storage tanks on the Site. The adjacent properties to the north, west and east are residential. There is a warehouse occupied by W.J. Bell Paper Co. Ltd. across Richmond Road to the south. Two (2) underground storage tanks (USTs) are visible next to a garage at 109 Richmond Road (corner Patricia Ave. – 50 m west) and two (2) USTs are visible at each of the retail fuel outlets (RFOs) located at 77 (30 m east) and 70 Richmond Road (65 m east). These properties are identified as areas of potential environmental concern (APECs) 2, 1 and 4, respectively.

3.4 Chain of Title

A chain of title was requested from Read Abstracts Inc. for the subject site. Based on the information gathered from the title search, the following was found:

The last registered owner is Lydia Wu and George Cai. Ms. Wu and Mr. Cai have owned the property since 1987. Prior to that, it appears that the ownership / deeds of the land changed twelve (12) times dating back to 1866 and was limited to private ownership. The lone exception was ownership by an incorporated company named Archie McDonald Limited between 1977 and 1979. No notable environmental concerns were identified based on the title search.

Refer to Appendix C for the title search.

3.5 Previous Reports

The following reports were reviewed for the Site as part of the Phase One ESA:

- *Phase I and II Environmental Site Assessment, 93 Richmond Road, Ottawa, ON, dated August, 2004 prepared by Trow Associates Inc. (now exp Services Inc.).*

It is important to note that 93 Richmond Road is now identified as 101 Richmond Road. 93 Richmond Road was formerly located to the adjacent west of 89 Richmond Road.

The Phase I ESA identified potential environmental liability associated with four (4) offsite underground storage tanks (USTs) located along the western property boundary. It was reported that no USTs had ever existed on the 93 Richmond Road site. Trow Associates Inc. (Trow) recommended that a Phase II ESA be carried out at the 93 Richmond Road site to assess for potential contamination related to the off-site USTs.

The Phase II ESA included the drilling of three boreholes/monitoring wells, and the collection, screening and submission of one (1) worst case soil sample. The soil sample was analyzed for total petroleum hydrocarbons (TPH), gas/diesel and heavy oil. Three (3) groundwater samples were collected and analyzed for benzene, toluene, ethyl benzene, xylene (BTEX) and TPH (gas/diesel and heavy oil). Soil at the site consisted of fill varying in thickness from 0 to 0.6 metres, overlying the native till consisting of silty sand and gravel to a maximum drilled depth of 4.5 metres. Saturated soil conditions were observed in one borehole at a depth of approximately 3.0 metres below ground surface (mbgs). Groundwater flow was determined to be in the northwest direction. Based on the analytical results obtained, no exceedances of the applicable provincial assessment criteria were noted in the soil or groundwater samples for the parameters analyzed. No further environmental work was recommended.

- *Phase I Environmental Site Assessment, 70 Richmond Road, Ottawa, Ontario, dated March 25, 2015 prepared by Paterson Group.*

The Phase I provided by Mr. Vaidya indicated that the property located at 70 Richmond Road has historically been used as an automotive service garage, used automotive sales lot and gasoline service station with two USTs. Several APECs were identified with respect to the subject site including its past use, the former gasoline service station and current/former automotive service garage on the neighbouring properties to the north and east, the automotive services garage on the adjacent property to the west and the fill material of unknown quality on the subject site in a previous subsurface investigation. It is worth noting that the Phase I ESA noted that twelve boreholes were previously placed on the subject site and petroleum hydrocarbon impacted soil was identified on the subject property.

Paterson Group completed a supplemental Phase II ESA in January, 2015 that included the drilling of six boreholes and installing five groundwater monitoring wells. The soil samples collected met the MOECC Table 3 standards for PHCs and BTEX. Concentrations of PHC (F1-F2) exceeded the MOECC Table 3 standards in one groundwater sample located on the northeast corner of the property. Paterson Group concluded that all impacts had been delineated and no further delineation was required. It is noted that impact was identified.

3.6 Regulatory Environmental Source Information

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions. **Exp** did not identify the need to contact any federal agencies.

The following agencies were contacted:

- The Ontario Ministry of the Environment and Climate Change (MOECC) Freedom of Information, Protection of Privacy Office; and,
- The City of Ottawa.

Written responses from the regulatory agencies and copies of the requests are included in Appendix C.

3.6.1 Ontario Ministry of the Environment and Climate Change Records

Records pertaining to the site were requested from the MOECC through the *Freedom of Information and Protection of Privacy Act* (FOI). Their response indicated that there were no records available for this property. A copy of the response is provided in Appendix C.

- On June 5, 2017, the MOECC Environmental Bill of Rights (EBR) registry website was searched by ERIS for postings in the vicinity of the subject site using 250 m radius. The Canadian Bank Note Company Limited located 200 metres west of the site received approval for discharge into the natural environment other than water (i.e. air) in 1997, 2004 and 2010 (PCA7). Due to the large intervening distance, this does not represent an APEC to the site.
- On June 5, 2017, the MOECC Hazardous Waste Information Network (HWIN) database was searched by ERIS for registered waste generators in the vicinity of the subject site. No postings were listed.
- On June 5, 2017, the MOECC Brownfields Registry website was searched by ERIS for postings of Records of Site Condition (RSC). Three (3) RSCs for surrounding properties were listed:
 - o An RSC was filed for 93 Richmond Road (adjacent west) in 2006 according to full depth site conditions standard with non-potable groundwater, coarse textured soil for residential/parkland/institutional property use.
 - o An RSC was filed for 101 Richmond Road (55 metres southwest) in 2010 according to full depth site conditions standard with non-potable groundwater, coarse textured soil for residential/parkland/institutional property use. The property was converted from commercial use to residential use.
 - o An RSC was filed for 111 Richmond Road (adjacent south) in 2011 according to full depth site conditions standard with non-potable groundwater, coarse textured soil for residential/parkland/institutional property use. The property was converted from commercial use to residential use.

These searches do not represent environmental concerns.

3.6.2 Municipal Records

3.6.3.1 City Hall Records

A request for the Site was made to the City of Ottawa for the Hazardous Land Use Index (HLUI). No response has yet been received. A copy of the response request is provided in Appendix C.

3.6.3.2 City Directory Search

Exp reviewed city directories dating from 1914 to 2011 from an ERIS search of Vernon's Ottawa in order to identify the occupancy history of the site and neighbouring properties for potential environmental concerns. A copy of the directory search is included in Appendix G. The following table summarizes the directory search.

Table 3.1: City Directory Search

Address	Distance/ Direction from Site	Year	Occupant	APEC (yes/no)
89 Richmond Road	Site	2011	Wu's Chinese Penetrating Massage Institute	No
		1990 – 2005/06	Ottawa Chinese Medical Centre	
		1984	Beaton's Jewellers	
		1979	Vacant	
		1937 - 1974	Residential (1-2 tenants)	
70 Richmond Road	65 m east	1969 - 2011	Automotive sales/garage	Yes (APEC 4)
		1948 - 1964	Retail fuel outlet	
72 Richmond Road	40 m east	1954 - 2011	Automotive sales	Yes (APEC 3)
		1995/96 – 2005/06	Automotive sales/garage	
77 Richmond Road	30 m east	1990 - 2011	Automotive sales	Yes (APEC 1)
		1954 - 1984	Retail fuel outlet	
90 Richmond Road (now 98 Richmond Road)	25 m southeast	1995/96 - 2005/06	Appliance Recycling Depot	No
		1974 - 1990	Canadian Tire Corp. Warehouse	
		1969	Esquire Cleaners	
93 Richmond Road	Adjacent west	1974 - 2005/06	Auto Sales	No
109/119 Richmond Road (now 101 Richmond Road)	65 m southwest	1954 - 2005/06	Retail fuel outlet	Yes (APEC 2)
145 Richmond Road	100 m west	1959 - 2011	Canadian Bank Note Company (commercial printing)	No
369 Island Park Drive	130 m east	1974 - 2011	Retail fuel outlet	No

The properties located at 70, 77 and 109/119 Richmond Road are areas of potential environmental concern (APEC) due to their historic use as RFOs and their close vicinity to the Site. In addition, 70 and 77 Richmond Road are both located up/cross gradient of the Site.

The property located at 72 Richmond Road is considered an APEC due to its past use as an automotive lot/garage and it is located up/cross gradient of the Site.

The property located at 90 Richmond Road is considered an APEC due to its past use as a dry cleaner, recycling depot and Canadian Tire Depot.

The properties located at 145 Richmond Road and 369 Island Park Drive are not considered APECs due to the large intervening distances between the properties and the Site (>100m). In addition, 145 Richmond Road is located down/cross gradient of the Site.

3.7 Land Use Documents

A review of the following publications was carried out as part of this Phase One ESA:

- Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario (Golder Associates, October 2004);
- Inventory of Coal Gasification Plant Waste Sites in Ontario (Intera, April 1987);
- Mapping and Assessment of Former Industrial Sites – City of Ottawa (Intera, July 1988); and,
- Ontario Inventory of PCB Storage Sites (Ontario Ministry of the Environment; 1993).

3.7.1 Old Landfill Management Strategy Phase 1 – Identification of Sites - Golder (2004)

No former landfills were identified within 250 m of the subject site. In addition, there is no visual evidence of a landfill in the area.

3.7.2 Inventory of Coal Gasification Plant Waste Sites in Ontario - Ontario MOE (1987)

There were no coal gasification plants identified within 250 m of the subject site.

3.7.3 Mapping and Assess Former Industrial Sites – Intera (1988)

The property located at 145 Richmond Road, located 100 m west of the Site, is listed as a former industrial site (commercial printers) from the 1950s to the 1980s. This property is not considered an APEC due to the large intervening distance between the property and the Site. In addition, it is located down/cross gradient of the Site.

3.7.4 Ontario Inventory of PCB Storage Sites - Ontario MOE (1993)

No records pertaining to PCB storage sites were identified within 250 m of the subject site in this document.

3.8 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the subject site and properties within 250 metres of the subject site was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. **Exp** has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix D.

Based on the EcoLog search, the following was identified:

- A spill was reported in 2014 at Legacy Auto located at 77 Richmond Road (65 m east of the Site). The incident summary was described as intentional discharge and an observation of improper disposal of motor oil. No quantity of fuel was reported surface water was impacted. Due to the inferred minor nature of the spill, this is not considered an APEC.
- A spill was reported in 1988 by Dow Motors on the property located at 72 Richmond Road (40 m east of the Site). The spill involved 800 L of furnace oil to the ground due to an aboveground tank leak. Due to the location of this property up-gradient of the Site, this is considered an APEC.
- A spill was reported in 1989 by Francis Fuels on the road at the corner of Richmond Road and Patricia Avenue (90 m southwest of the Site). The spill was reportedly due to equipment failure and

environmental impact was deemed not anticipated. Due to inferred minor nature of the spill, this is not considered an APEC.

- Four (4) liquid fuel single-walled USTs were installed in 1991 and four (4) TSSA Expired Facilities were identified in 2009 at Canadian Tire Corporation located at 109 Richmond Road (50 m west of the Site). Due to the past presence of USTs within a close distance to the Site, this is considered an APEC (APEC2).
- Two liquid fuel double-walled USTs were installed in 1994 and (4) TSSA Expired Facilities were identified in 2009 at Newcombe Holdings Limited located at 369 Island Park Drive (130 m east of the Site). Due to the large intervening distance between this property and the Site, it is not considered an APEC.
- The property owned by Canadian Bank Note Co. Ltd located at 145 Richmond Road (100 m west of the Site) was listed as a waste generator of acid waste (heavy metals), alkaline wastes (heavy/other metals), neutralized wastes (heavy metals). Aliphatic solvents, petroleum distillates, halogenated solvents, photo processing wastes, graphic art wastes, PCBs, organic acids, oil skimmings and sludges from 1986 to 2016. There was also an underground tank leak in 2001 of 80 L of lubricating oil to the ground resulting in soil contamination. Due to the large intervening distance and its location down/cross gradient of the Site, it is not considered an APEC.

3.9 Physical Setting Review

3.9.1 Aerial Photographs

The following table summarizes the development and land use history of the subject site and adjacent properties as depicted on the reviewed aerial photographs.

Table 3.1: Development and Land Use History Summary

Aerial Photograph (year)	Details
1928	The Site appears to be occupied by a building with a different footprint to the current building. Neighbouring properties appear to be developed with residential housing to the east and west. Richmond Road and Island Park Drive are visible.
1958	The Site is occupied with a building with a similar footprint to the current building. Neighbouring properties appears to be developed with residential housing to the adjacent west and east. There are three (3) suspected retail fuel outlets visible at the corner of Richmond Road and Island Park Drive to the east. There also appear to be several automotive garages in the vicinity of the site along Richmond Road to the east and west. There appears to be a large warehouse across Richmond Road to the southeast. Patricia Avenue is visible to the west.
1965	There are no apparent changes to the Site or surrounding properties.
1976	There are no apparent changes to the Site. Pump islands are visible on the property located on the corner of Patricia Avenue and Richmond Road. There appears to be several vehicles parked on the property located to the adjacent west.
1991	There are no apparent changes to the Site. The pump islands are no longer visible on two (2) of the three (3) retail fuel outlets located at the corner of Island Park Drive and Richmond Road.
1999-2005	There are no apparent changes to the Site or neighbouring properties.
2007	There are no apparent changes to the Site. The property to the adjacent west is now vacant.
2008	There are no apparent changes to the Site or neighbouring properties.
2011	There are no apparent changes to the Site. The previous retail fuel outlet has been removed and there is now a mixed residential/commercial building to the adjacent west of the Site. Construction has begun on the mixed residential/commercial building to the west of Patricia Avenue along Richmond Road.
2014	There are no apparent changes to the Site. There are now residential/commercial buildings on the corner of Patricia Ave. and Richmond Road to the west and across Richmond Road to the south.

Based on the review of the aerial photography, APEC were identified at 77 Richmond Road (former RFO), 109/119 Richmond Road (former RFO), 72 Richmond Road (former automotive garage) and 70 Richmond Road (former RFO and automotive garage). These properties are all located in close proximity to the Site. In addition, the properties located at 70 and 72 Richmond Road are located hydraulically up/cross gradient of the Site.

3.9.2 Geology, Hydrogeology and Topography

The following information sources were reviewed to determine the nature of the subsurface materials at the site:

1. *Bedrock Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.

2. *Surficial Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
3. Ontario Geotechnical Boreholes – Electronic Resource.
4. MOE Water Well Records – Electronic Resource.
5. Department of Natural Resources, Topographic Mapping. Electronic Resource.

The above maps revealed that the bedrock in the general area is a combination of limestone, sandstone and shale (Paleozoic) of the Simcoe group of the Shadow Lake Formation at a depth of 2-5 m. With respect to surficial geology, beneath any fill, the site is underlain by sandy silt to silty sand (textured till).

The local topography of the Site has a slight downwards slope towards the north. Inferred groundwater flow direction is to the northwest towards the Ottawa River located 1.2 km of the Site and according to previous reports.

3.9.3 Fill Materials

Notable amounts of fill material are not anticipated to have been brought to the Site based on the records review.

3.9.4 Water Bodies and Areas of Natural Significance (ANSI)

There were no water bodies on the subject site. The subject site is not located in close proximity to an ANSI, according to the Ministry of Natural Resources Natural Heritage website.

The closest water body is the Ottawa River which is located approximately 1.2 km to the northwest of the site.

3.9.5 Well Records

Local MOE water wells records show that bedrock depth in the area is approximately 2-5 m from surface. The well records are presented in the EcoLog report in Appendix D.

3.10 Site Operating Records

No site operating records were available for review.

3.11 Summary of Records Review

Based on a review of the available records, the Site has been developed with a residential building dating back to the early 1900s. The dwelling was converted to a mixed commercial/residential building in the 1970s or 1980s. The previous uses of the Site do not represent an APEC.

The previous RFO located at 77 Richmond Road (APEC 1) was present between the 1950s and the 1980s, the previous RFO located at 109/119 Richmond Road (APEC 2) was present between the 1950s and 2000s, the previous RFO located at 70 Richmond Road (APEC 4) was present between the 1940s and 1960s, and the former automotive garage located at 72 Richmond Road (APEC 3) was present between the 1950s and the 2010s. In summary, three (3) RFO's existed previously in close proximity to the Site. Combined with the previous fuel oil spill located at 72 Richmond Road, these factors represent areas of potential environmental concern.

4. Interviews

Interviews were attempted by **exp** with any individuals identified to be the most knowledgeable about both the current and historical site uses. The purpose of the interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the site.

During the completion of this Phase I ESA, the following individuals were interviewed:

- Ms. Lydia Wu and Mr. George Cai are the current owners of the subject property. They indicated that they have owned the property for approximately 30 years and to their knowledge, the site use had always been mixed commercial/residential. The commercial space has been used for a Chinese Traditional Medicine business and a locksmith. They indicated that at the time of purchase, the dwelling was heated using heating oil and that an aboveground storage tank (AST) of unknown size was located in the basement. The heating source was changed from heating oil to natural gas in the early 1990s and at that time, the AST was removed from the basement and the vent/fill pipes were sealed.

5. Site Reconnaissance

5.1 General Requirements

On May 31, 2017, Mr. Scott Lessard, B.Sc. of **exp** conducted the site visit for the property located at 89 Richmond Road. The site visit was conducted in accordance with **exp**'s internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Site.

The general environmental management and housekeeping practices at the site were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of **exp**'s investigation.

Observations of the subject property and surrounding properties were conducted. The exterior observations were recorded by walking over the grounds. Adjoining properties were observed from within the grounds of the Site.

Mr. Lessard was accompanied by Mr. Claude Parent (real estate agent), Ms. Lydia Wu and Mr. George Cai (the current owners). Photographs were taken at the Site on May. 31, 2017 and are included in Appendix E.

5.2 Specific Observations at Phase I ESA Property

5.2.1 Site Description and Buildings

The Site consists of a 2-storey, mixed commercial/residential building located at 89 Richmond Road, Ottawa, Ontario. The ground floor consists of the commercial space and the second floor consists of residential space. The building has an approximate footprint of 115m². The Site is rectangular in shape, covers an area of approximately 370 m² and is located on the northern side of Richmond Road between Island Park Drive and Patricia Avenue.

At the time of the investigation, the property was occupied by a 2-storey mixed commercial/residential building with a gravel parking area to the north and an asphalt driveway to the east of the building. The parking area is accessed via Richmond Road to the south. The property is municipally serviced by the City of Ottawa and neighbored by a mixed residential/commercial property to the west and residential properties to the north and east. The interior construction of the building consists of plaster/drywall walls, stipple over plaster/drywall or acoustic tile ceilings with hardwood and vinyl/ceramic flooring. The basement is unfinished with a stone and mortar foundation and a concrete block floor. Some wood panelling was observed for room separation.

5.2.2 Heating and Cooling Systems

The heating system was observed to be a natural gas fuelled forced air furnace. The current owners indicated that the heating system had been converted to natural gas from heating oil in the early 1990s. Previous vent/fill pipes were identified in the southwest corner of the building.

A centralized cooling system was observed at the time of the site visit with the condenser located at the rear (north) of the building.

5.2.3 Site Utilities and Services

The Site utilizes City of Ottawa water and sewer systems, Enbridge natural gas and local electricity services.

5.2.4 Site Use

At the time of the investigation, the site consisted of a 2-storey mixed commercial/residential building. The commercial business (Chinese Medicine) occupied a portion of the ground floor. The remainder of the ground floor, basement and second floor were used for residential purposes. There is an unpaved (gravel) parking area at the northern portion of the Site and a paved (asphalt) driveway on the eastern portion of the site.

5.2.5 Drains, Pits and Sumps

No sumps, or pits were observed at the Site. There was a floor drain in the basement of the building and standing water was observed within the drain. No sheen was observed on the surface of this standing water. This does not represent an APEC.

5.2.6 Storage Tanks

5.2.6.1 Underground Storage Tanks

Exp did not observe any underground storage tanks (UST) during the site reconnaissance. No visual evidence such as fill / vent pipes, levelometers or oil fill lines associated with USTs were observed at the site.

5.2.6.2 Aboveground Storage Tanks

Exp did not observe any ASTs during the site reconnaissance. Previous vent/fill pipes were visible both in the basement and from the building exterior at the southwest corner of the building. These pipes are likely associated with the previous AST that was reportedly located in the basement of the building. There was no evidence of spills or staining on the concrete slab basement floor or on the ground next to the previous pipes on the building exterior. In addition, the basement floor was observed to be in good condition and there were no petroleum odours identified in the basement. Therefore, the presence of this previous AST does not represent an APEC.

5.2.7 Chemical Storage and Handling and Floor Condition

Small volumes of household cleaning products were observed within the Site building. This does not represent an environmental concern.

5.2.8 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of stained soil, pavement or vegetation were observed during the site visit.

5.2.9 Fill, Debris and Methane

The Site is similar in elevation to the surrounding properties, which are residential or mixed residential/commercial in nature with small parking areas and some manicured landscaping. The Site slopes slightly downwards towards the north. Significant amounts of fill materials are not anticipated at the site.

Based on preliminary site walkthroughs, there are no sources of methane at the surface of the property.

5.2.10 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOE. According to the Environmental Protection Act (EPA), a Certificate of Approval (CofA) (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment

was installed, modified or altered after June 29th, 1988. Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a CofA was added to the EPA. Unless explicitly exempted, most industrial processes or modifications to industrial processes and equipment require a CofA. The EPA provides a list of specific equipment and conditions, which are exempt from CofA (Air) requirements (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

No air emissions concerns were identified at the time of the site visit.

5.2.11 Odours

No strong odours were detected during the site visit.

5.2.12 Noise

No excessive noise was detected during the site visit.

5.2.13 Special Attention Items, Hazardous Building Materials and Designated Substances

5.2.13.1 Asbestos

Asbestos-containing materials (ACMs) are fibrous hydrated silicates, and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos, which is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACMs in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACMs was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

Based on the date of construction of the Site building (constructed early 1900s), it is possible for ACMs to have been used during the construction of the Site building or during subsequent renovations (i.e. in the form of insulation, roofing tars, mortars, plaster, stipple ceiling, drywall joint compound, acoustic ceiling tiles, etc.). It is recommended that a Designated Substances Survey (DSS) be completed prior to demolition activities.

5.2.13.2 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinsplate and plumbing. The use of lead based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Based on the age of the Site building (constructed early 1900s), it is exp's opinion that there is potential for LBPs to be contained within the building. All painted surfaces noted during exp's site visit were observed to be in good condition with the exception of the exterior green paint located on window frames and the

exterior white paint found on the porch railing which were found to be in poor condition. It is recommended that a DSS be completed prior to any renovations.

5.2.13.3 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove "interior uses" from their product labels.

Based on the age of the Site building (constructed early 1900s), it is **exp's** opinion that the presence of mercury-based paints within the Site building is possible. All painted surfaces noted during **exp's** site visit were observed to be in good condition with the exception of the exterior green paint located on window frames and the exterior white paint found on the porch railing which were found to be in poor condition.

5.2.13.4 Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCBs-containing equipment on the Site. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCBs must be disposed in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCBs is permissible.

A review of the site was conducted to evaluate the potential presence of PCBs-containing equipment in use or stored at the site.

Based on the age of the Site building (constructed early 1900s), the potential for PCB-containing equipment to be present is possible. However, potential PCB containing equipment was not observed during the site visit.

5.2.13.5 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets and fabrics, and it contributes to "that new house smell."

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. Most installations occurred between 1977 and the further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit. Based on the age of the Site building (constructed early 1900s), it is considered possible that UFFI was added during renovation activities and may still be present.

5.2.13.6 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerel's per cubic metre (Bq/m³). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m³ in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

Based on local well records, the bedrock underlying the Site is a mix of limestone, sandstone and shale. Black shale is known to have an increased potential to release radon gas. Since the bedrock at the site is not predominantly shale, the accumulation of radon gas is not considered likely.

5.2.13.7 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow it requires a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) combined with moist conditions. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled "mould guidelines for the Canadian construction industry" and the Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 2 (2010)."

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

Suspect mould growth was observed on some wood panels in the basement of the Site dwelling near the washing machine.

5.2.13.8 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Site at the time of this Phase One ESA.

5.2.14 Processing and Manufacturing Operations

No processing or manufacturing operations are conducted at the Site.

5.2.15 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Site.

5.2.16 Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance is conducted on the Site.

5.2.17 Oil/Water Separators

No oil water separators are present and/or anticipated at the Site.

5.2.18 Sewage and Wastewater Disposal

Wastewater is treated via the municipal sewer system.

5.2.19 Solid Waste Generation, Storage & Disposal

Currently, no solid waste is generated on the Site apart from general household solid waste. Household waste would be collected via weekly garbage pick-up. It was reported by the current owners that the commercial business uses only natural medicine ingredients. Therefore, this waste generation is not considered a concern.

5.2.20 Liquid Waste Generation, Storage & Disposal

No liquid wastes are generated or stored on the Site.

5.2.21 Unidentified Substances

No unidentified substances were observed on the Site at the time of the site visit. No dumping or any other deleterious materials were identified.

5.2.22 Hydraulic Lift Equipment

No hydraulic equipment was observed the Site.

5.2.23 Mechanical Equipment

No mechanical equipment of concern was present on the Site.

5.2.24 Abandoned and Existing Wells

No abandoned or existing wells were observed on the Site. No MOE well records were identified for the site.

5.2.25 Roads, Parking Facilities and Right of Ways

Access to the Site is via Richmond Road to the south. There is a parking area to the east of the building which is accessed via Richmond Road.

5.3 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Site. Refer to Figure 2 in Appendix B for the adjacent land uses.

The following land uses border the subject property:

- North: Residential (single-family houses);
- West: Mixed commercial/residential low-rise buildings;
- South (across Richmond Road): Mixed commercial/residential low-rise building; and,
- East: Residential (multi-unit) followed by commercial (restaurant and automotive garage – Legacy Auto Center)

Based on the above, the automotive garage located at 77 Richmond Road represents an APEC (APEC 1) due to its close location, previous use as a retail fuel outlet and its location up/cross gradient of the Site.

5.4 Summary of Site Reconnaissance

Based on the site reconnaissance of the Phase One ESA, no APECs were identified on the Site. However, the automotive garage located at 77 Richmond Road represents an APEC (APEC 1) due to its close location, previous use as a retail fuel outlet and its location up/cross gradient of the Site.

6. Review and Evaluation of Information

6.1 Current and Past Uses

Based on a review chain of title information, historical maps, fire insurance maps and other records, the Site has been developed as residential since the early 1900s and was converted to mixed commercial/residential in the late 1970s or early 1980s. It is understood that the civic address of the Site is 89 Richmond Road and includes the 0.08-acre lot of the Site with a current use of mixed use commercial/residential. Based on the title search, no potential sources of environmental concern were identified.

6.2 Summary of Potentially Contaminating Activities

As per Ontario Regulation (O.Reg.) 153/04, a Potential Contaminating Activity (PCA) is defined as one of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in a Phase One study area. The following PCAs were identified:

- PCA1 – Current off-site automotive garage and former retail fuel outlet (RFO) located at 77 Richmond Road (30 m east) operated between the 1950s and 1980s (PCA#27 - Garages and Maintenance and PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks).
- PCA2 – Former off-site RFO located at 109/119 Richmond Road (now 101 Richmond Road - 50 m west) operated between the 1950s and 2000s (PCA#28 - Gasoline and Associated Products Stored in Fixed Tanks).
- PCA3 – Former off-site automotive garage located at 72 Richmond Road (40 m east) operated between the 1950s and 2010s (PCA#27 - Garages and Maintenance). A significant furnace oil spill also occurred on this property in 1988.
- PCA4 – Former off-site retail fuel outlet located at 70 Richmond Road (65 m east) operated between 1940s and 1960s (PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks). This property was also formerly operated as an automotive garage between the 1960s and 2010s (PCA#27 - Garages and Maintenance).
- PCA5 – Former off-site RFO located at 1451 Wellington Street West (130 m northeast) operated between the 1950s and 1960s. This property was also formerly operated as an automotive garage between the 1970s and 2010s (PCA#27 - Garages and Maintenance and PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks).
- PCA6 – Current off-site RFO located at 369 Island Park Drive (130 m east) operated between the 1950s to present (PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks).
- PCA7 – Former off-site dry cleaners located at 90 Richmond Road (now 98 Richmond Road – 30 m southeast) operated between 1969 and the early 1970s (PCA#37 – Operation of Dry Cleaning Equipment).
- PCA8 – Current commercial printing company (Canadian Bank Note Company) located at 145 Richmond Road (100 m west) operated between the 1950 and present (PCA#31 – Ink Manufacturing, Processing and Bulk Storage).

6.3 Areas of Potential Environmental Concern

As per O.Reg 153/04, an APEC is defined as an area on a subject site where one or more contaminants are potentially present. Based on this Phase One ESA, the following APECs were identified:

- APEC 1 - Current off-site automotive garage and former retail fuel outlet (RFO) located at 77 Richmond Road (30 m east) operated between the 1950s and 1980s.
- APEC 2 - Former off-site RFO located at 109/119 Richmond Road (now 101 Richmond Road - 50 m west) operated between the 1950s and 2000s.
- APEC 3 - Former off-site automotive garage located at 72 Richmond Road (40 m east) operated between the 1950s and 2010s.
- APEC 4 - Former off-site retail fuel outlet located at 70 Richmond Road (65 m east) operated between 1940s and 1960s. This property was also formerly operated as an automotive garage between the 1960s and 2010s.
- APEC 5 - Former off-site dry cleaners located at 90 Richmond Road (now 98 Richmond Road – 30 m southeast) operated between 1969 and the early 1970s.

6.4 Phase I ESA Conceptual Site Model

In order to develop a conceptual model for the subject site and surrounding study area, the following physical characteristics and pathways were considered. A conceptual site model showing the topography of the site, inferred groundwater flow and general site is shown in Figure 3.

6.4.1 Subsurface Stratigraphy

The above maps revealed that the bedrock in the general area is a combination of limestone, sandstone and shale (Paleozoic) of the Simcoe group of the Shadow Lake Formation at a depth of 2-5 metres. With respect to surficial geology, beneath any fill, the site is underlain by sandy silt to silty sand (textured till).

6.4.2 Estimated Groundwater Flow Direction

Topographically, the Site is relatively flat with the northern section of the property sloping slightly northwards. The surrounding area has a slight downwards slope towards the north. The closest body of water is the Ottawa River, located approximately 1.2 kilometres northwest of the Site. The groundwater flow direction is inferred to be northwest towards the Ottawa River.

6.4.3 Underground Utilities

Currently the municipal water, sewage systems and natural gas are the only underground utilities located on both Parcels of the Site. Electricity and telephone services were observed to be overhead.

7. Findings and Recommendations

The following information is provided in Table 7.1 in support of the Phase One ESA QP's conclusions:

Table 7.1: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contribution to APEC at the Site (Yes/No)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)	APEC Hazard Ranking (Low/Medium/High)
1. Current automotive garage and former RFO (77 Richmond Road) operated between 1950s and 1980s	#27 – Garages and Maintenance #28 – Gasoline and Associated Products Storage in Fixed Tanks	30 m east	Yes	Soil and groundwater: petroleum hydrocarbons (PHC) and benzene, toluene, ethylbenzene, xylene (BTEX)	High
2. Former RFO located at 109/119 Richmond Road (now 101 Richmond Road) operated between the 1950s and 2000s	#28 – Gasoline and Associated Products Storage in Fixed Tanks	50 m west	Yes	Soil and groundwater: PHC and BTEX	Medium
3. Former automotive garage located at 72 Richmond Road operated between the 1950s and 2010s and spill in 1988	#27 – Garages and Maintenance	40 m east	Yes	Soil and groundwater: PHC and BTEX	High
4. Former RFO located at 70 Richmond Road operated between 1940s and 1960s. Also formerly operated as an automotive garage between the 1960s and 2010s	#27 – Garages and Maintenance #28 – Gasoline and Associated Products Storage in Fixed Tanks	65 m east	Yes	Soil and groundwater: PHC and BTEX	High
5. Former dry cleaners located at 90 Richmond Road (now 98 Richmond Road) operated between 1969 and the early 1970s	#37 – Operation of Dry Cleaning Equipment	30 m southeast	Yes	Groundwater: VOCs	Low

To reduce the degree of uncertainty surrounding the environmental concerns identified during this Phase One ESA, a Phase Two ESA is recommended and the rationale for proposing such recommendations are provided below in Table 7.2.

Table 7.2: Issues Identified, Recommendations and Rationale

Issue Identified	Recommendation	Rationale
Potential impacts in soil and groundwater from the off-site RFOs, automotive garages, spill and dry cleaner.	Advance three (3) to four (4) boreholes and install monitoring wells to collect groundwater samples for PHC, BTEX and VOCs analyses.	To assess soil and groundwater conditions at the Site.

Due to the age of the buildings on the Site, it is considered likely that they many contain Designated Substances. Therefore, prior to renovation or demolition, a Designated Substance Survey (DSS) should be conducted for the Site buildings.

8. References

1. Canadian Standards Association; November 2001; *Z768-0 Phase I Environmental Site Assessment*.
2. Dubreuil, L. and C. Woods; 2002; *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975*.
3. Department of Energy Mines and Resources, Surveys and Mapping Branch; 1976; *Ottawa Map 31 G/5, Scale 1:50,000*.
4. Geological Survey of Canada; 1982; *Generalized Bedrock Geology – Ottawa-Hull, Ontario-Quebec: Map 1508A. Scale 1:50,000*.
5. Geological Survey of Canada; 1976; *Surficial Geology – Ottawa, Ontario: Map 1507A. Scale 1:50,000*.
6. Geoseismic Engineering; April 19, 2017; *Subsurface Investigation Report, 303 Bell Street South, Ottawa, ON K1S 4J9*.
7. Golder Associates Inc.; October 2004; *Old Landfill Management Strategy, City of Ottawa*.
8. Intera Technologies Ltd.; July 1998; *Mapping and Assessment of Former Industrial Sites, City of Ottawa*.
9. Ministry of Labour (MOL); *Occupational Health and Safety Act*.
10. Ontario Ministry of the Environment, *Environmental Registry website* (www.ene.gov.on.ca/envision/env_reg/ebf/english/index.htm)
11. Ontario Ministry of the Environment; 1993- 2003-2004; *Ontario Inventory of PCB Storage Sites*.
12. Ontario Ministry of the Environment; *Brownfields Registry website* (www.ene.gov.on.ca/environet/BESR/index.htm)
13. Ontario Ministry of the Environment; *Hazardous Waste Information Network website* (www.hwin.ca).
14. Ontario Ministry of the Environment; November 1988; *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*.
15. Ontario Ministry of the Environment, Waste Management Branch; June 1991; *Waste Disposal Site Inventory*.
16. Ontario Ministry of the Environment and Intera Technologies Ltd.; June 1991; *Inventory of Coal Gasification Plant Waste Sites in Ontario*;
17. Ontario Ministry of Natural Resources, Natural Heritage website (www.mnr.gov.on.ca/MNR/nhic/areas.cfm).
18. Paterson Group; March, 2015. *Phase I – Environmental Site Assessment, 70 Richmond Road, Ottawa, Ontario*.
19. Technical Standards and Safety Authority; May 2007; *Environmental Management Protocol for Fuel Handling Sites in Ontario*.
20. Trow Associates Inc. (now exp Services Inc.); August, 2004. *Phase I and II Environmental Site Assessment, 93 Richmond Road, Ottawa, ON*.

9. Scope of Report, and Third Party Reliance

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of **exp** may require re-evaluation.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to **exp** by Mr. Vaidya. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by Mr. Vaidya. **Exp** has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to **exp**. If new information about the environmental conditions at the Site is found, the information should be provided to **exp** so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale and in accordance with the MOE Reg. 511 standard. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to **exp** by Mr. Vaidya, communications between **exp** and Mr. Vaidya, other reports, proposals or documents prepared by **exp** for Mr. Vaidya in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. **Exp** is not responsible for use by any party of portions of the Report.

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by **exp** utilize specific software and hardware systems. **Exp** makes no representation about the compatibility of these files with Mr. Vaidya current or future software and hardware systems. Regardless of format, the documents described herein are **exp's** instruments of professional service and shall not be altered without the written consent of **exp**.

We trust this report satisfies your immediate requirements. If you have any questions regarding the information in this report, please do not hesitate to contact this office.

exp Services Inc.

Mr. Mahendra Vaidya
Phase One Environmental Site Assessment
89 Richmond Road
Ottawa, Ontario
OTT-00240343-A0
June 21, 2017

Appendices

exp Services Inc.

Mr. Mahendra Vaidya
Phase One Environmental Site Assessment
89 Richmond Road
Ottawa, Ontario
OTT-00240343-A0
June 21, 2017

Appendix A: Qualifications of Assessors



Qualifications of Assessors

Exp provides a full range of environmental services through a full-time Environmental Services Group. **Exp's** Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the **exp** organization.

Scott Lessard, B.Sc., has 4 years of experience in the environmental consulting field. Technical undertakings have included: project coordination; Phase I & II Environmental Site Assessments; contaminated site investigations including drilling supervision, Designated Substances Surveys; ground water monitoring, environmental sampling and data evaluation; and technical report preparation.

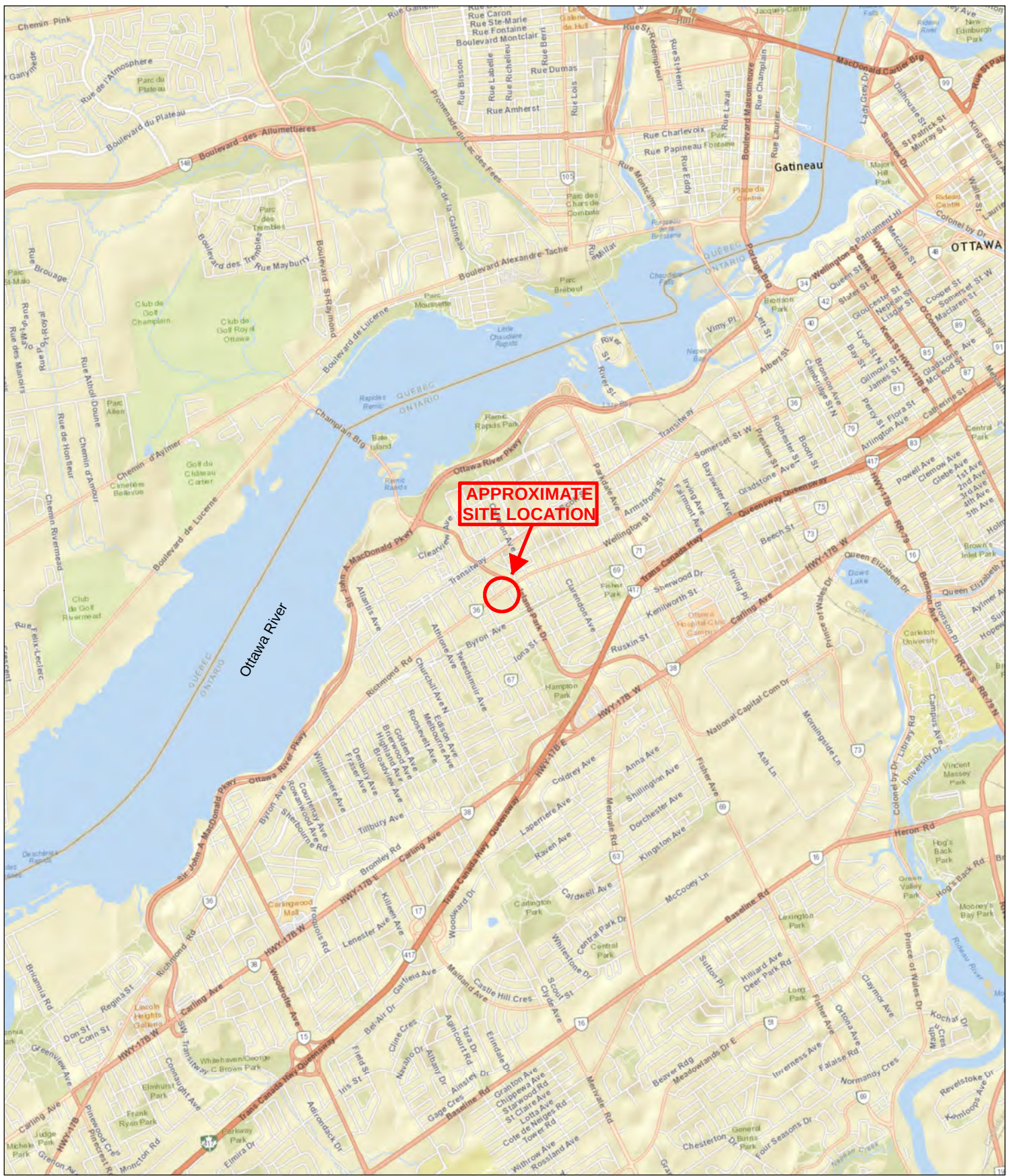
Shawn Doherty, P.Eng., has 15 years of experience in the environmental consulting field. Technical undertakings have included: project coordination; Phase I, II and III Environmental Site Assessments; contaminated site investigations including drilling supervision, environmental sampling and data evaluation; and technical report preparation.

exp Services Inc.

Mr. Mahendra Vaidya
Phase One Environmental Site Assessment
89 Richmond Road
Ottawa, Ontario
OTT-00240343-A0
June 21, 2017

Appendix B: Figures





0 325 650 1,300 1,950 2,600 3,250 Metres



exp Services Inc.
100-2650 Queensview Drive
Ottawa, Ontario
K2B 8H6
T - (613) - 688-1899
F - (613) - 225-7337

PROJECT TITLE:

PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT
89 Richmond Road
Ottawa, Ontario

DRAWING TITLE:

SITE LOCATION PLAN

PROJECT No.:

OTT-00240343-A0

SCALE:

AS SHOWN

DATE:

June 2017

DWN:

SL

CHKD:

SD

FIG. No.:

1



0 10 20 40 60 80 100 Metres



exp Services Inc.

100-2650 Queensview Drive
Ottawa, Ontario
K2B 8H6
T - (613) - 688-1899
F - (613) - 225-7337

PROJECT TITLE:

PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT
89 Richmond Road
Ottawa, Ontario

DRAWING TITLE:

SITE PLAN

PROJECT No.:
OTT-00240343-A0

DWN: SL

SCALE:

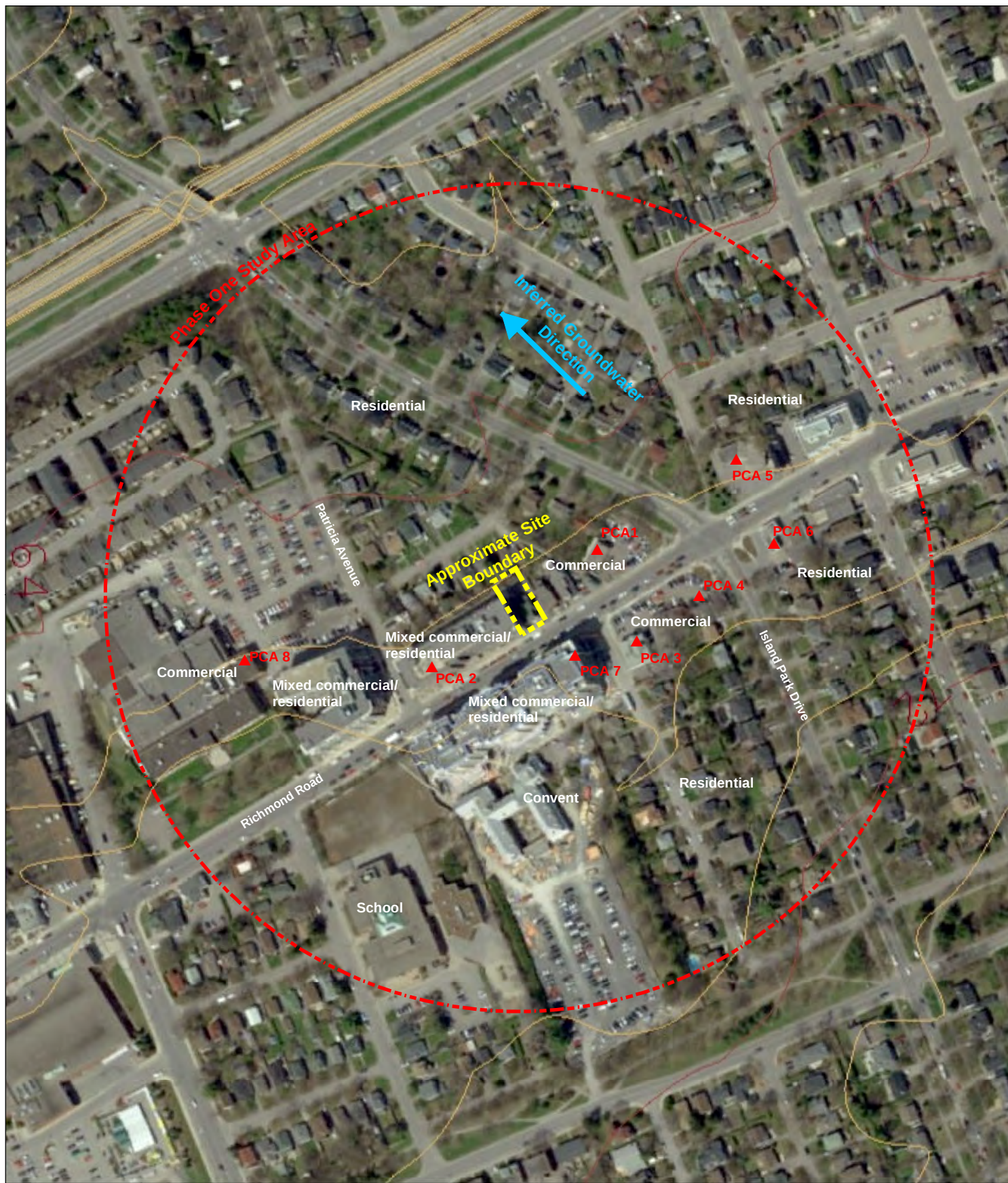
AS SHOWN

DATE:
June 2017

CHKD:

SD

FIG. No.:
2



0 20 40 80 120 160 200
Metres



exp Services Inc.

100-2650 Queensview Drive
Ottawa, Ontario
K2B 8H6
T - (613) - 688-1899
F - (613) - 225-7337

PROJECT TITLE:

PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT
89 Richmond Road
Ottawa, Ontario

DRAWING TITLE:

CONCEPTUAL SITE MODEL

PROJECT No.:

OTT-00240343-A0

DWN:

SL

SCALE:

AS SHOWN

CHKD:

SD

DATE:

June 2017

FIG. No.:

3

exp Services Inc.

Mr. Mahendra Vaidya
Phase One Environmental Site Assessment
89 Richmond Road
Ottawa, Ontario
OTT-00240343-A0
June 21, 2017

Appendix C: Title Search, Municipal & Provincial Records





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

January 29, 2015

EXP Services

Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

89 Richmond Road
Lot 83, Plan 400, Ottawa
PIN: 04021-0110

LAST REGISTERED OWNER: WU, Zhao-Di Lydia
CAI, George Song-Yin

JT

CHAIN OF TITLE:

Deed 26225 registered April 30, 1866
From Sherriff to Bank of Upper Canada

Deed 4921 registered December 28, 1876
From Bank of Upper Canada to Daniel K. Cowley

Deed 4922 registered December 28, 1876
From C. C. Gamble to Daniel K. Cowley

Will registered April 12, 1897
Daniel K. Cowley (Estate) to Mary Moj Cowley, Robert H. Cowley, Daniel K. Cowley
(executors)

Deed 21804 registered December 13, 1907
From Mary Moj Cowley to Daniel K. Cowley and Robert H. Cowley and Mary Moj
Cowley (executors)

Plan 400 registered September 20, 1922

R. H. Cowley and D. K. Cowley (owners)

Deed 37987 registered August 29, 1924
From R. H. Cowley and D. K. Cowley to Lea Ladouceur

Deed 39597 registered September 30, 1926
From Lea Ladouceur to Irene C. Akeson

Deed 51669 registered July 13, 1944
From Irene C. Akeson to Irene C. Akeson and Andrew Akeson

Deed 492650 registered April 30, 1965
From Andrew Akeson to Lawrence E. Leduc and Edward L. Leduc

Deed 706523 registered April 5, 1977
From Lawrence E. Leduc and Edward L. Leduc to Archie McDonald Ltd.

Deed NS65854 registered September 4, 1979
From Archie McDonald Limited. to Bonnie J. Beaton

Deed NS241366 registered May 31, 1984
From Bonnie J. Beaton to Leslie S. Allan and Shirley L. Allan

Deed N401654 registered August 4, 1987
From Leslie Scott Allan and Shirley Lilian Allan to Zhao-Di Lydia Wu and George Song-Yin Cai



May 30, 2017

VIA FACSIMILE:
416-314-4285

FOI Manager
Freedom of Information & Protection of Privacy Office
Ministry of Environment and Climate Change
12th Floor, 40 St. Clair Avenue West
Toronto, Ontario M4V 1M2

Re: OTT-00240343-A0 **File Review Request**
 89 Richmond Road, Ottawa, Ontario

Dear Sir or Madam:

I am sending a Freedom of Information Request to you for 89 Richmond Road, Ottawa, Ontario. We are conducting an environmental site assessment and require any environmental concerns.

If possible, we would appreciate receiving the documentation by email (kathy.radisch@exp.com) and by mail. If you have any questions, or require any further information, please do not hesitate to contact the undersigned at 613-688-1891, ext. 3296.

Yours truly,
exp Services Inc.

A handwritten signature in blue ink that reads "Kathy Radisch". The signature is fluid and cursive, with the first name "Kathy" and last name "Radisch" clearly distinguishable.

Kathy Radisch
Administrative Assistant
Earth & Environment

Enclosures: FOI Form
 Credit Card Payment Form



May 30, 2017

Via email:
hlui@ottawa.ca

Planning Division
City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario

Re: OTT-00240343-A0 **Municipal Information Search Request**
 89 Richmond Road, Ottawa, Ontario

To whom it may concern,

Our firm has been retained to conduct a Phase I Environmental Site Assessment for 89 Richmond Road, Ottawa, Ontario. We require information pertaining to the property.

We request that the City of Ottawa search their files and provide any information pertaining to the environmental condition of these properties and surrounding areas, including any past environmental reports, orders, certificates or approvals as well as any available site plans, records of tanks and any available ownership history.

Please find attached the consent letter from the property owner to release this information for the property in question. A request for information form has been completed to initiate a search on the property.

If you should have any questions, please do not hesitate to contact me.

Yours truly,

A handwritten signature in blue ink that reads "Kathy Radisch". The signature is written in a cursive style. Below the signature, the text "exp Services Inc." is printed in a bold, sans-serif font.

Kathy Radisch
Administrative Assistant
Earth & Environment

Attachments: Disclaimer
 RFI Form
 Consent from Owner

exp Services Inc.

Mr. Mahendra Vaidya
Phase One Environmental Site Assessment
89 Richmond Road
Ottawa, Ontario
OTT-00240343-A0
June 21, 2017

Appendix D: EcoLog Reports





DATABASE REPORT

Project Property: *Phase I ESA
89 Richmond Rd
Ottawa ON K1Z6V8
OTT-00240343-A0*

Project No: *OTT-00240343-A0*

Report Type: *Standard Report*

Order No: *20170530017*

Requested by: *exp Services Inc.*

Date Completed: *June 5, 2017*

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

www.erisinfo.com

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

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Executive Summary

Property Information:

Project Property: *Phase I ESA
89 Richmond Rd Ottawa ON K1Z6V8*

Project No: *OTT-00240343-A0*

Coordinates:

Latitude: *45.396884*
Longitude: *-75.74357*
UTM Northing: *5,027,309.57*
UTM Easting: *441,801.31*
UTM Zone: *UTM Zone 18T*

Elevation: *222 FT
67.63 M*

Order Information:

Order No: *20170530017*
Date Requested: *May 30, 2017*
Requested by: *exp Services Inc.*
Report Type: *Standard Report*

Historical/Products:

Aerial Photographs *National Collection - Digital (PDF)*
City Directory Search *Subject Site plus 250m Radius*
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Specific Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	8	8
CA	Certificates of Approval	Y	0	4	4
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	4	4
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	6	6
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	23	23
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	2	2
FSTH	Fuel Storage Tank - Historic	Y	0	4	4
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	27	27
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	1	1
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

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	12	12
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	4	4
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	3	3
PTTW	Permit to Take Water	Y	0	2	2
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	4	4
RST	Retail Fuel Storage Tanks	Y	0	4	4
SCT	Scott's Manufacturing Directory	Y	0	3	3
SPL	Ontario Spills	Y	0	8	8
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	10	10
Total:			0	129	129

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		93 Richmond Road Ottawa ON K1Z 6V8	WSW/34.0	-0.45	25
1	RSC	Ashcroft Homes - 2057391 Ontario Inc.	93 RICHMOND RD, OTTAWA, ON, K1Z 6V8, ON	WSW/34.0	-0.45	25
2	SCT	Explore Newsletter	72 Robertson Rd Ottawa ON K2R 9R0	E/54.7	-1.02	25
3	RSC	Ashcroft Homes-101 Richmond Road Inc.	101 RICHMOND RD, OTTAWA, ON, K1Z 6V8 ON K1Z 6V8	SW/55.8	-0.19	26
4	SPL		77 Richmond Road Ottawa ON	ENE/63.8	-1.33	26
5	WWIS		Ottawa ON	WSW/64.2	0.33	26
6	WWIS		lot 89 Ottawa ON	SW/65.6	0.55	28
7	EXP	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	36
7	EXP	CANADIAN TIRE PETROLEUM TINA FOLEY	109 RICHMOND RD OTTAWA ON	WSW/71.6	1.18	36
7	EXP	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	36
7	EXP	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	37
7	EXP	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	37
7	EXP	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	37
7	EXP	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON	WSW/71.6	1.18	37
7	EXP	CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	38
7	EXP	CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	38
7	EXP	CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	38
7	EXP	CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	38
7	FSTH	CANADIAN TIRE CORP LTD **	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	39
7	FSTH	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	39
7	GEN	Canadian Tire Corporation, Limited	109 Richmond Road Ottawa ON K1Z 6V8	WSW/71.6	1.18	40
7	GEN	Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	WSW/71.6	1.18	40
7	GEN	Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	WSW/71.6	1.18	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	GEN	Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	WSW/71.6	1.18	41
7	GEN	Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON	WSW/71.6	1.18	41
7	PRT	CANADIAN TIRE CORP LTD PETROLEUM DIVISION - MELISS	109 RICHMOND RD OTTAWA ON K1Z6V8	WSW/71.6	1.18	41
7	RST	CANADIAN TIRE STORES	109 RICHMOND RD OTTAWA ON K1Z6V8	WSW/71.6	1.18	41
7	RST	CANADIAN TIRE GAS BAR	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW/71.6	1.18	41
8	SPL	DOW MOTORS	72 RICHMOND RD. FURNACE OIL TANK OTTAWA CITY ON K1Z 6V7	ESE/73.9	0.10	42
9	EHS		Island Park Dr Ottawa ON	NE/74.8	-2.10	42
10	BORE		ON	NNE/87.1	-3.53	42
11	WWIS		Ottawa ON	WSW/91.6	-0.48	43
12	WWIS		ON	WSW/98.5	-0.68	56
13	SPL	FRANCIS FUELS	RICHMOND ROAD AT PATRICIA TANK TRUCK (CARGO) OTTAWA CITY ON	SW/101.0	-0.18	56
14	GEN	Imperial Oil	Richmond Road @ Island Park Drive Ottawa ON K1Y 0B1	ENE/112.7	-1.75	57
15	WWIS		ON	SW/114.8	-0.26	57
16	EHS		348 Patricia Ave Ottawa ON K1Z 6G6	W/122.5	-2.02	59
17	RSC	Ashcroft Homes - 111 Richmond Road Inc.	No Municipal Address OTTAWA ON	WSW/124.7	-0.52	59
18	EHS		119 Richmond Road Ottawa ON K1Z 6W1	WSW/126.4	-0.53	60
18	GEN	CANADIAN TIRE, Store 88	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW/126.4	-0.53	60
18	GEN	Canadian Tire Real Estate Limited	119 Richmond Road Ottawa ON K1Z 6W1	WSW/126.4	-0.53	60
18	PES	CANADIAN TIRE/DENANCO SALES LTD.	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW/126.4	-0.53	60
18	PES	LES ENTREPRISES SYLVAIN CHARRON INC.	119 RICHMOND ROAD OTTAWA ON K1Z 6W1	WSW/126.4	-0.53	61
18	PES	CANADIAN TIRE / ROLAND DOYON ENTERPRISES INC.	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW/126.4	-0.53	61
18	PES	CANADIAN TIRE / ROLAND DOYON ENTERPRISES INC.	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW/126.4	-0.53	61
19	BORE		ON	E/126.6	-0.62	61
20	WWIS		OTTAWA ON	NE/133.9	-2.02	61
21	WWIS		ON	ENE/145.0	-2.01	63
22	INC		327 ISLAND PARK DRIVE, OTTAWA ON K1Y 0A6	N/145.3	-3.32	64

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	GEN	SCEURS DE LE VISITATION D'OTTAWA	114 RICHMOND RD OTTAWA ON	S/156.0	0.56	65
24	GEN	Claridge Homes Corporation	1451 Wellington Street West Ottawa ON K1Y 2X4	ENE/156.5	-1.48	65
25	BORE		ON	NNW/159.5	-4.98	65
26	BORE		ON	NW/171.9	-3.23	66
26	WWIS		lot 32 con 1 ON	NW/171.9	-3.23	66
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	69
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	69
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	69
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE/173.3	-1.39	69
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE/173.3	-1.39	70
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE/173.3	-1.39	70
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE/173.3	-1.39	70
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	70
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	71
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	71
27	EXP	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	71
27	FST	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	71
27	FST	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	72
27	FSTH	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	72
27	FSTH	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	73
27	PRT	NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE/173.3	-1.39	73
27	RST	ISLAND PARK ESSO SERVICE CENTRE	369 ISLAND PARK DR OTTAWA ON K1Y 0B1	ENE/173.3	-1.39	73
27	RST	ISLAND PARK ESSO SERVICE CENTRE	369 ISLAND PARK DR OTTAWA ON K1Y0B1	ENE/173.3	-1.39	74
28	WWIS		OTTAWA ON	ENE/177.5	-1.73	74
29	BORE		ON	SSW/179.6	1.44	75
30	BORE		ON	SSW/180.8	1.79	75

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
31	GEN	Ottawa-Carleton District School Board	407 Hilson Avenue Ottawa ON	SSW/188.9	1.63	76
31	GEN	Ottawa-Carleton District School Board Health & Safety	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW/188.9	1.63	76
32	BORE		ON	ESE/195.5	3.38	77
33	CA	Newcombe Holdings Limited	1440 Wellington Street West Ottawa ON K1Y 2X3	ENE/197.6	-1.31	77
34	CA	CANADIAN BANK NOTE COMPANY LTD.	145 RICHMOND ROAD OTTAWA CITY ON K1Z 1A1	W/198.3	-3.14	77
34	CA	Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	78
34	CA	Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	78
34	EBR	CANADIAN BANK NOTE COMPANY LTD.	145 RICHMOND ROAD City of Ottawa ON K1Z 1A1	W/198.3	-3.14	78
34	EBR	Canadian Bank Note Company Limited	145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	79
34	EBR	Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	79
34	EBR	Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	79
34	EHS		145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	79
34	GEN	CANADIAN BANK NOTE CO. LTD.	P.O. BOX 8394 145 RICHMOND ROAD OTTAWA ON K1Z 1A1	W/198.3	-3.14	80
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 RICHMOND ROAD OTTAWA ON K1Z 1A1	W/198.3	-3.14	80
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED08-146	145 RICHMOND ROAD OTTAWA ON K1Z 1A1	W/198.3	-3.14	81
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W/198.3	-3.14	82
34	GEN	Ed Brunet & Associates Inc.	145 Richmond Road Ottawa ON K1Z 1A1	W/198.3	-3.14	84
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W/198.3	-3.14	84
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W/198.3	-3.14	85
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W/198.3	-3.14	86
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W/198.3	-3.14	88
34	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W/198.3	-3.14	89
34	PTTW	Canadian Bank Note Company Ltd	145 Richmond Road City of Ottawa ON K1Z 1A1	W/198.3	-3.14	90
34	SCT	Canadian Bank Note Co. Ltd.	145 Richmond Rd Ottawa ON K1Z 1A1	W/198.3	-3.14	91
34	SCT	Canadian Bank Note Company Limited	145 Richmond Rd Ottawa ON K1Z 1A1	W/198.3	-3.14	91
34	SPL	PRIVATE BUSINESS	145 RICHMOND DR. STORAGE TANK OTTAWA CITY ON K1Z 1A1	W/198.3	-3.14	91

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	SPL	Waste Management of Canada Corporation; Canada Bank Note<UNOFFICIAL>	145 Richmond Rd Ottawa ON K1Z 1A1	W/198.3	-3.14	92
34	SPL	Pinchin Environmental Ltd.	145 Richmond Rd Ottawa ON K1Z 1A1	W/198.3	-3.14	92
34	SPL	Canadian Bank Note Company, Limited	145 Richmond Rd Ottawa ON K1Z 1A1	W/198.3	-3.14	92
35	GEN	Ottawa-Carleton District School Board Health & Safety	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW/198.4	1.83	93
35	GEN	Ottawa-Carleton District School Board	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW/198.4	1.83	93
35	GEN	Ottawa-Carleton District School Board	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW/198.4	1.83	93
36	WWIS		OTTAWA ON	ENE/202.8	-0.57	93
37	EHS		368 Piccadilly Avenue Ottawa ON K1Y 0H4	ENE/209.9	-1.07	95
38	RSC	THEBERGE DEVELOPMENTS (WESTBORO) LIMITED	1433 WELLINGTON ST, OTTAWA, ON, K1Y 2X4 ON K1Y 2X4	ENE/212.3	-1.63	95
39	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON	WSW/213.4	-2.07	96
39	GEN	CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON k1z 1a1	WSW/213.4	-2.07	97
39	SPL	Canadian Bank Note Company, Limited	145 Richmond Rd Ottawa ON K1Z 1A1	WSW/213.4	-2.07	99
40	NPRI	CANADIAN BANK NOTE, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	99
40	NPRI	CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	100
40	NPRI	CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	102
40	NPRI	CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	103
40	NPRI	CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	103
40	NPRI	CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	104
40	NPRI	CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	105
40	NPRI	CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	105
40	NPRI	CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	106
40	NPRI	CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	106
40	NPRI	Canadian Bank Note Co. Ltd.	145 Richmond Road Ottawa ON K1Z1A1	W/217.9	-2.38	106
41	BORE		ON	W/240.7	-2.94	107
42	EXP	GUS & JOHN SERVICE STATIONS LTD	24 RICHMOND RD OTTAWA ON K1Y 2X2	ENE/243.8	-0.98	107

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
42	PRT	GUS & JOHN SERVICE STATIONS LTD	24 RICHMOND RD OTTAWA ON K1Y 2X2	ENE/243.8	-0.98	10
43	PTTW	Canadian Bank Note Company Ltd	Lot 145 Richmond Road City of Ottawa ON	WSW/245.4	0.36	108

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 8 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SSW	179.59	<u>29</u>
	ON	SSW	180.83	<u>30</u>
	ON	ESE	195.53	<u>32</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	NNE	87.06	<u>10</u>
	ON	E	126.63	<u>19</u>
	ON	NNW	159.49	<u>25</u>
	ON	NW	171.92	<u>26</u>
	ON	W	240.66	<u>41</u>

CA - Certificates of Approval

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Newcombe Holdings Limited	1440 Wellington Street West Ottawa ON K1Y 2X3	ENE	197.56	<u>33</u>
Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	<u>34</u>
Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	<u>34</u>
CANADIAN BANK NOTE COMPANY LTD.	145 RICHMOND ROAD OTTAWA CITY ON K1Z 1A1	W	198.32	<u>34</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994-Apr 2017 has found that there are 4 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN BANK NOTE COMPANY LTD.	145 RICHMOND ROAD City of Ottawa ON K1Z 1A1	W	198.32	<u>34</u>
Canadian Bank Note Company Limited	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	<u>34</u>
Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	<u>34</u>
Canadian Bank Note Company, Limited	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	<u>34</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	93 Richmond Road Ottawa ON K1Z 6V8	WSW	34.02	<u>1</u>
	Island Park Dr Ottawa ON	NE	74.84	<u>9</u>
	348 Patricia Ave Ottawa ON K1Z 6G6	W	122.50	<u>16</u>
	119 Richmond Road Ottawa ON K1Z 6W1	WSW	126.40	<u>18</u>
	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	<u>34</u>
	368 Piccadilly Avenue Ottawa ON K1Y 0H4	ENE	209.90	<u>37</u>

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 23 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>
CANADIAN TIRE PETROLEUM TINA FOLEY	109 RICHMOND RD OTTAWA ON	WSW	71.62	<u>7</u>
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>
CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>
CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>
CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>
CANADIAN TIRE CORPORATION, LIMITED	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON	WSW	71.62	7
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	7
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	7
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr**	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
GUS & JOHN SERVICE STATIONS LTD	24 RICHMOND RD OTTAWA ON K1Y 2X2	ENE	243.76	42

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	27

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 4 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>
CANADIAN TIRE CORP LTD **	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	<u>7</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	<u>27</u>
NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	ENE	173.28	<u>27</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 27 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Tire Corporation, Limited	109 Richmond Road Ottawa ON K1Z 6V8	WSW	71.62	<u>7</u>
Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	WSW	71.62	<u>7</u>
Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	WSW	71.62	<u>7</u>
Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON	WSW	71.62	<u>7</u>
Canadian Tire Real Estate Limited	Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	WSW	71.62	<u>7</u>
SCEURS DE LE VISITATION D'OTTAWA	114 RICHMOND RD OTTAWA ON	S	156.00	<u>23</u>
Ottawa-Carleton District School Board	407 Hilson Avenue Ottawa ON	SSW	188.93	<u>31</u>
Ottawa-Carleton District School Board Health & Safety	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW	188.93	<u>31</u>
Ottawa-Carleton District School Board Health & Safety	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW	198.44	<u>35</u>
Ottawa-Carleton District School Board	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW	198.44	<u>35</u>
Ottawa-Carleton District School Board	407 Hilson Avenue Ottawa ON K1Z 6B9	SSW	198.44	<u>35</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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Imperial Oil	Richmond Road @ Island Park Drive Ottawa ON K1Y 0B1	ENE	112.73	14
CANADIAN TIRE, Store 88	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW	126.40	18
Canadian Tire Real Estate Limited	119 Richmond Road Ottawa ON K1Z 6W1	WSW	126.40	18
Claridge Homes Corporation	1451 Wellington Street West Ottawa ON K1Y 2X4	ENE	156.53	24
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE CO. LTD.	P.O. BOX 8394 145 RICHMOND ROAD OTTAWA ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 RICHMOND ROAD OTTAWA ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED08-146	145 RICHMOND ROAD OTTAWA ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W	198.32	34
Ed Brunet & Associates Inc.	145 Richmond Road Ottawa ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	W	198.32	34
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON K1Z 1A1	WSW	213.40	39
CANADIAN BANK NOTE COMPANY LIMITED	145 Richmond Rd. Ottawa ON k1z 1a1	WSW	213.40	39

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	327 ISLAND PARK DRIVE, OTTAWA ON K1Y 0A6	N	145.26	22

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-2014 has found that there are 12 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN BANK NOTE, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40

CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
Canadian Bank Note Co. Ltd.	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE CO. LTD.	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40
CANADIAN BANK NOTE COMPANY, LIMITED	145 Richmond Road Ottawa ON K1Z1A1	W	217.87	40

PES - Pesticide Register

A search of the PES database, dated 1988-Oct 2016 has found that there are 4 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN TIRE/DENANCO SALES LTD.	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW	126.40	18
LES ENTREPRISES SYLVAIN CHARRON INC.	119 RICHMOND ROAD OTTAWA ON K1Z 6W1	WSW	126.40	18
CANADIAN TIRE / ROLAND DOYON ENTERPRISES INC.	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW	126.40	18
CANADIAN TIRE / ROLAND DOYON ENTERPRISES INC.	119 RICHMOND RD OTTAWA ON K1Z 6W1	WSW	126.40	18

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 3 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN TIRE CORP LTD PETROLEUM DIVISION - MELISS	109 RICHMOND RD OTTAWA ON K1Z6V8	WSW	71.62	7
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>

NEWCOMBE HOLDINGS LIMITED	369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	ENE	173.28	27
GUS & JOHN SERVICE STATIONS LTD	24 RICHMOND RD OTTAWA ON K1Y 2X2	ENE	243.76	42

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Apr 2017 has found that there are 2 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Bank Note Company Ltd	Lot 145 Richmond Road City of Ottawa ON	WSW	245.36	43

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Bank Note Company Ltd	145 Richmond Road City of Ottawa ON K1Z 1A1	W	198.32	34

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Apr 2017 has found that there are 4 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ashcroft Homes - 2057391 Ontario Inc.	93 RICHMOND RD, OTTAWA, ON, K1Z 6V8, ON	WSW	34.02	1
Ashcroft Homes-101 Richmond Road Inc.	101 RICHMOND RD, OTTAWA, ON, K1Z 6V8 ON K1Z 6V8	SW	55.76	3
Ashcroft Homes - 111 Richmond Road Inc.	No Municipal Address OTTAWA ON	WSW	124.68	17
THEBERGE DEVELOPMENTS (WESTBORO) LIMITED	1433 WELLINGTON ST, OTTAWA, ON, K1Y 2X4 ON K1Y 2X4	ENE	212.30	38

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999 - Oct 2016 has found that there are 4 RST site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN TIRE GAS BAR	109 RICHMOND RD OTTAWA ON K1Z 6V8	WSW	71.62	7
CANADIAN TIRE STORES	109 RICHMOND RD OTTAWA ON K1Z6V8	WSW	71.62	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ISLAND PARK ESSO SERVICE CENTRE	369 ISLAND PARK DR OTTAWA ON K1Y 0B1	ENE	173.28	27

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Explore Newsletter	72 Robertson Rd Ottawa ON K2R 9R0	E	54.72	2
Canadian Bank Note Company Limited	145 Richmond Rd Ottawa ON K1Z 1A1	W	198.32	34
Canadian Bank Note Co. Ltd.	145 Richmond Rd Ottawa ON K1Z 1A1	W	198.32	34

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2016 has found that there are 8 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
DOW MOTORS	72 RICHMOND RD. FURNACE OIL TANK OTTAWA CITY ON K1Z 6V7	ESE	73.95	8

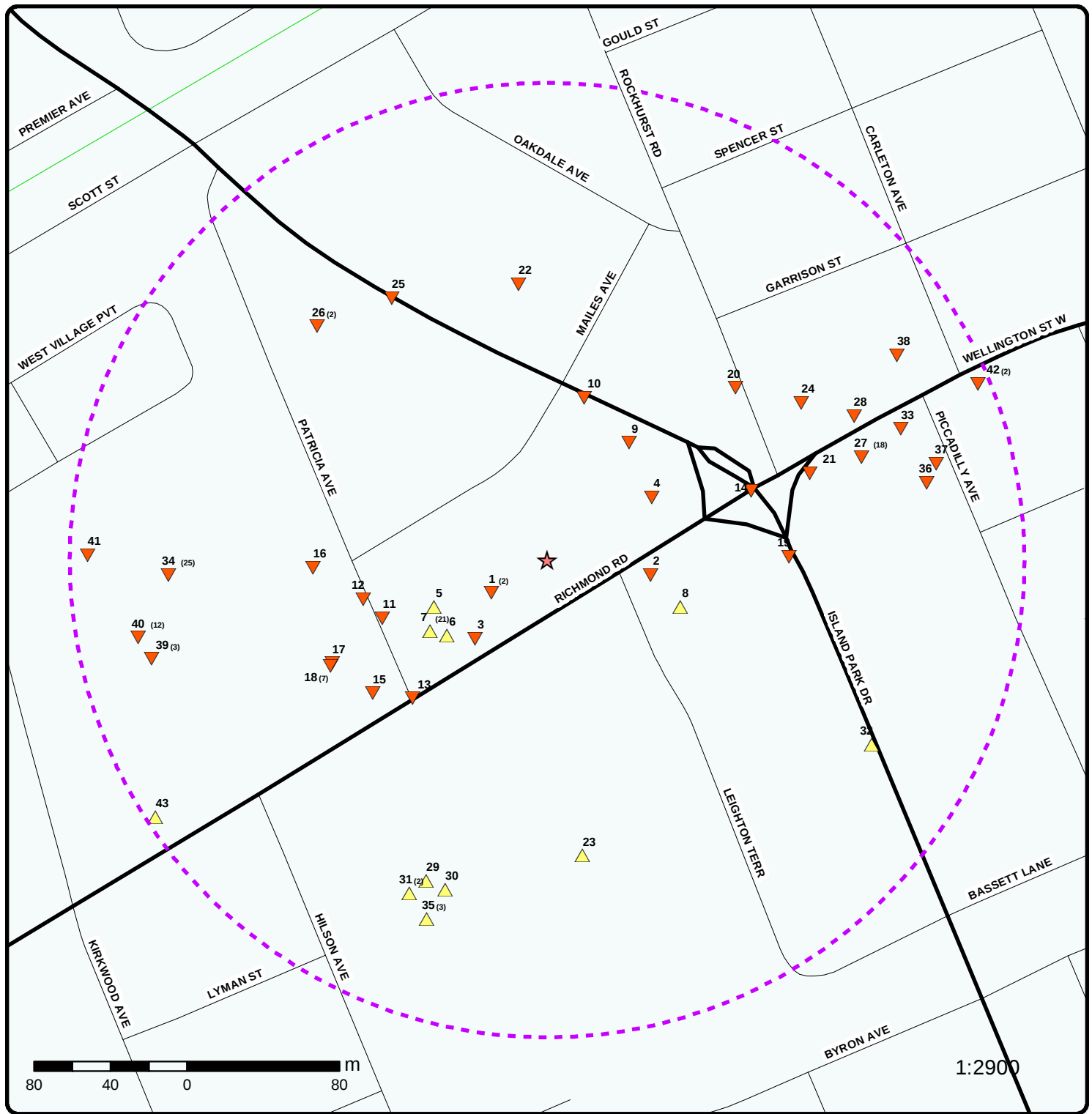
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	77 Richmond Road Ottawa ON	ENE	63.83	4
FRANCIS FUELS	RICHMOND ROAD AT PATRICIA TANK TRUCK (CARGO) OTTAWA CITY ON	SW	101.02	13
Waste Management of Canada Corporation; Canada Bank Note<UNOFFICIAL> PRIVATE BUSINESS	145 Richmond Rd Ottawa ON K1Z 1A1	W	198.32	34
	145 RICHMOND DR. STORAGE TANK OTTAWA CITY ON K1Z 1A1	W	198.32	34
Pinchin Environmental Ltd.	145 Richmond Rd Ottawa ON K1Z 1A1	W	198.32	34
Canadian Bank Note Company, Limited	145 Richmond Rd Ottawa ON K1Z 1A1	W	198.32	34
Canadian Bank Note Company, Limited	145 Richmond Rd Ottawa ON K1Z 1A1	WSW	213.40	39

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON	WSW	64.20	5

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 89 Ottawa ON	SW	65.59	<u>6</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON	WSW	91.56	<u>11</u>
	ON	WSW	98.48	<u>12</u>
	ON	SW	114.79	<u>15</u>
	OTTAWA ON	NE	133.86	<u>20</u>
	ON	ENE	144.99	<u>21</u>
	lot 32 con 1 ON	NW	171.92	<u>26</u>
	OTTAWA ON	ENE	177.52	<u>28</u>
	OTTAWA ON	ENE	202.77	<u>36</u>

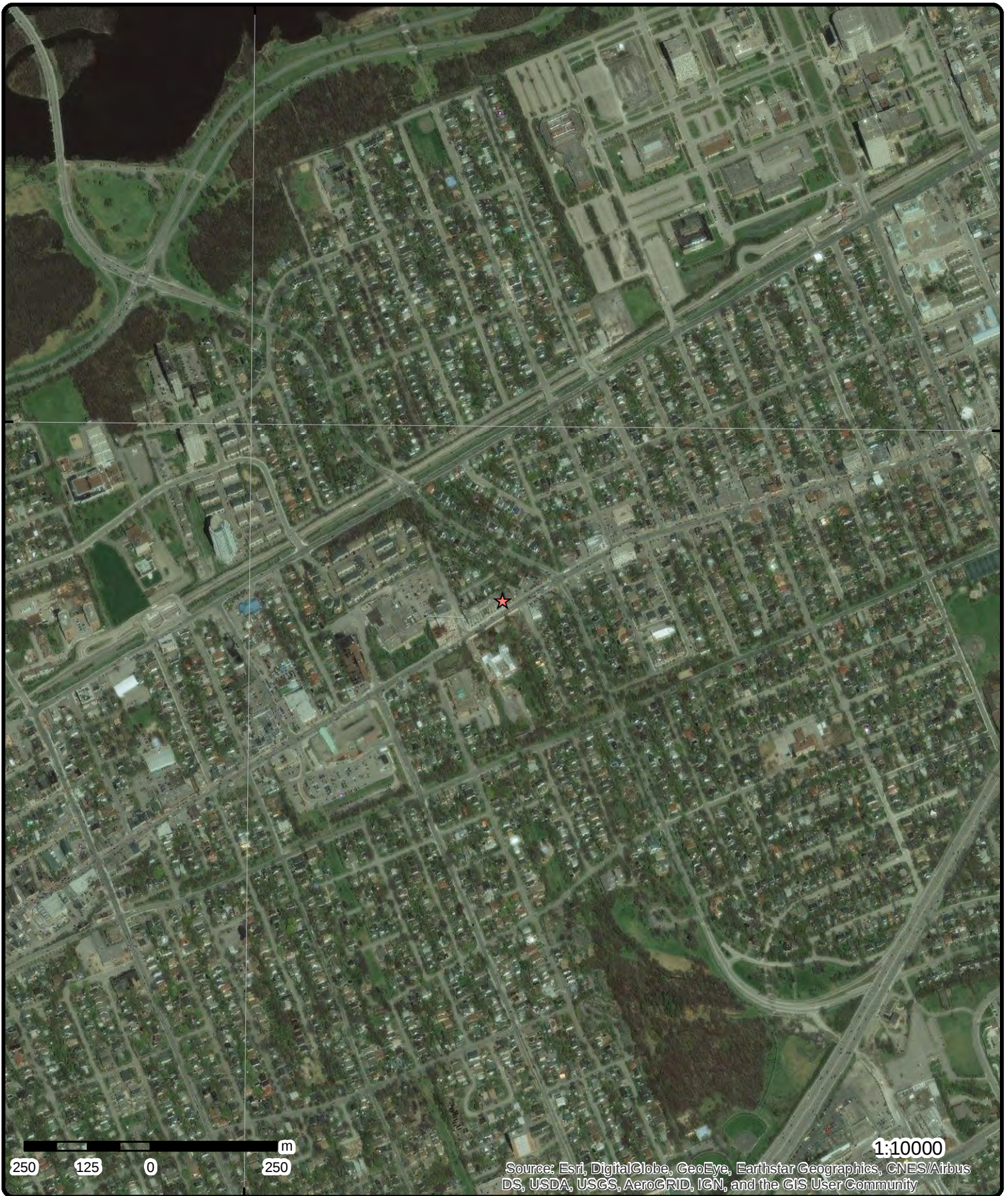


- | | | | |
|-------------------------------------|----------------------|-----------------------------------|--------------------------------|
| ★ Project Property | Expressway | Industrial and Resource - Regions | National Park |
| ○ Buffer Outline | Principal Highway | Main Line | Provincial or Territorial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

75°45'W

45°24'N

45°24'N



Aerial

Address: 89 Richmond Rd, Ottawa, ON, K1Z6V8

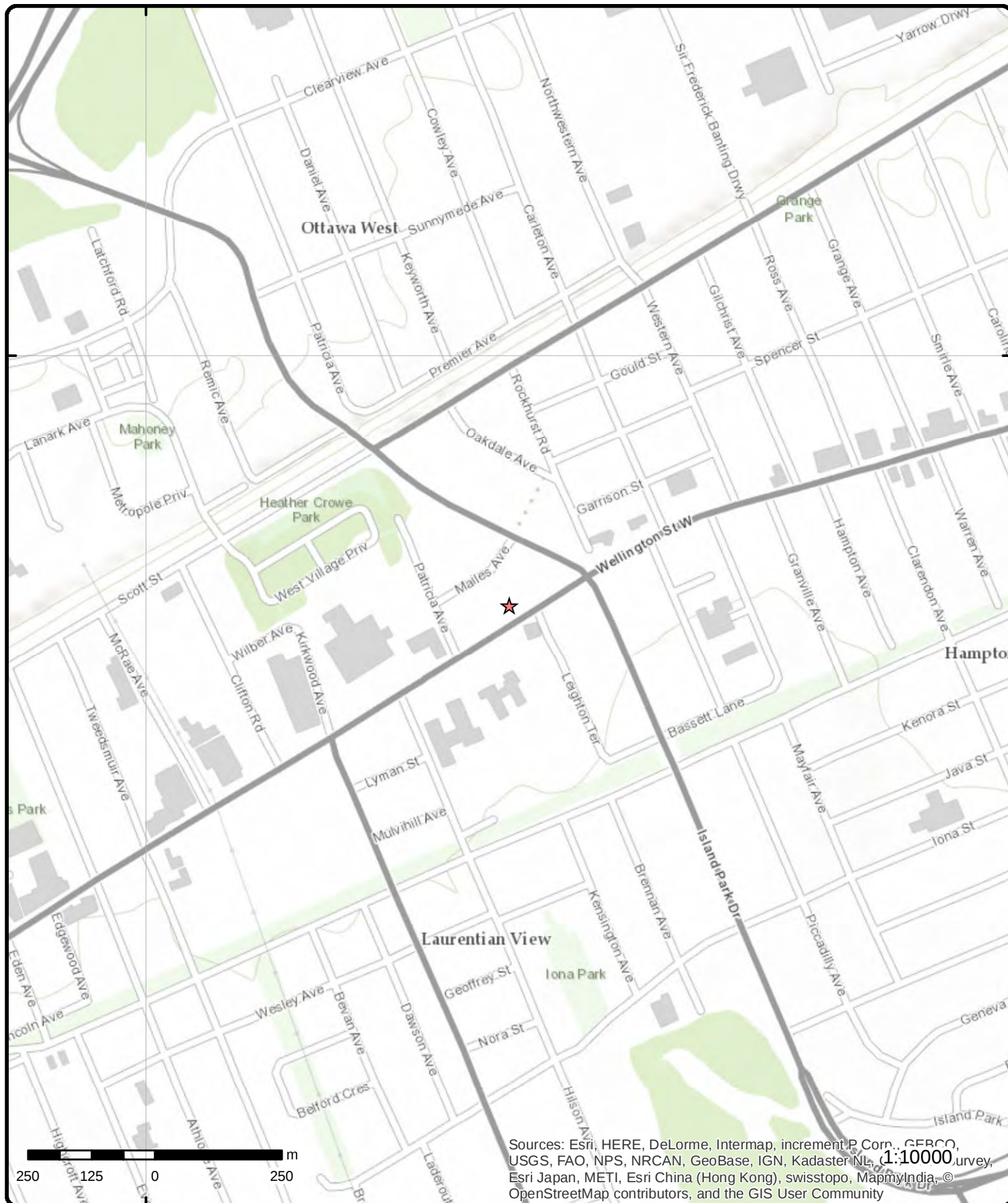
Source: ESRI World Imagery

Order No: 20170530017

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



© ERIS Information Limited Partnership



Topographic Map

Address: 89 Richmond Rd, Ottawa, ON, K1Z6V8

Source: ESRI World Topographic Map

Order No: 20170530017



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 2	WSW/34.0	67.2	93 Richmond Road Ottawa ON K1Z 6V8	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20040630006 Addit. Info Ordered:: Report Date: 7/9/04 Report Type: Custom Report Search Radius (km): 0.25					
1	2 of 2	WSW/34.0	67.2	Ashcroft Homes - 2057391 Ontario Inc. 93 RICHMOND RD, OTTAWA, ON, K1Z 6V8, ON	RSC
Registration No: 3125 RSC Type: Restoration Type: Date Submitted: 15-May-06 Date Acknowledg.: Certification Date: 11-Apr-06 Date Returned: Soil Type: Criteria: Current Property Use: Residential Certificate Prop Use No: No CPU Intended Prop Use: Residential Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use Stratified (Y/N): Consultant: District Office: OTTAWA Property Municipal Address: 93 RICHMOND RD, OTTAWA, ON, K1Z 6V8, Legal Description: Lots 84, 85, 86 and 87 on Registered Plan 400, Formerly Township of Nepean, now City of Ottawa Prop. Identification No: 04021-0111 Entire legal prop. (y/n): Yes UTM Coordinates: NAD83 18-441765-5027285 Latitude & Longitude: 45.39665950N 75.74403120W (converted from UTM) Accuracy Estimate: 6 to 10 meters Measurement Method: Digitized from a map CPU Issued Sect 1686: No					
2	1 of 1	E/54.7	66.6	Explore Newsletter 72 Robertson Rd Ottawa ON K2R 9R0	SCT
Established: Plant Size (ft²): Employment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			
<u>3</u>	1 of 1	SW/55.8	67.4	Ashcroft Homes-101 Richmond Road Inc. 101 RICHMOND RD, OTTAWA, ON, K1Z 6V8 ON K1Z 6V8	RSC
Registration No:		58713			
RSC Type:					
Restoration Type:					
Date Submitted:		3-Sep-10			
Date Acknowledg.:					
Certification Date:		3-Jun-10			
Date Returned:					
Soil Type:					
Criteria:					
Current Property Use:		Commercial			
Certificate Prop Use No:		No CPU			
Intended Prop Use:		Residential			
Applicable Standards:		Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use			
Stratified (Y/N):					
Consultant:					
District Office:		OTTAWA			
Property Municipal Address:		101 RICHMOND RD, OTTAWA, ON, K1Z 6V8			
Legal Description:		Lots 88 & 89, PPlan 400; Ottawa/Nepean			
Prop. Identification No:		04021-0112 LT			
Entire legal prop. (y/n):		Yes			
UTM Coordinates:		NAD83 18-441754-5027255 (converted from Latitude & Longitude)			
Latitude & Longitude:		45.39638890N 75.74416670W			
Accuracy Estimate:		11 to 20 meters			
Measurement Method:		Digitized from a satellite image			
CPU Issued Sect 1686:		No			
<u>4</u>	1 of 1	ENE/63.8	66.3	77 Richmond Road Ottawa ON	SPL
Ref No:		3278-9R8SEX			
Contaminant Code:		15			
Contaminant Name:		MOTOR OIL			
Contaminant Quantity:		0 other - see incident description			
Incident Cause:		Dumping			
Incident Dt:		2014/11/26			
Incident Reason:		Intentional Discharge			
Incident Summary:		Legacy Auto: observation of improper disposal of motor oil			
MOE Reported Dt:		2014/11/26			
Environmental Impact:					
Nature of Impact:		Surface Water			
Receiving Medium:					
SAC Action Class:		Watercourse Spills			
Sector Source Type:		Container/Drum/Tote			
Receiving Environment:					
Incident Event:					
Site Municipality:		Ottawa			
<u>5</u>	1 of 1	WSW/64.2	68.0	Ottawa ON	WWIS
Well ID:		7106336		Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Construction Date::		Concession:			
Primary Water Use::	Test Hole	Concession Name:			
Sec. Water Use::		Easting NAD83::			
Final Well Status::	Test Hole	Northing NAD83::			
Specific Capacity::		Zone::			
Municipality:	OTTAWA CITY	UTM Reliability::			
County:	OTTAWA-CARLETON				
Bore Hole Information					
--		--			
Bore Hole ID:		1001613909			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		17-APR-08			
Remarks:					
Zone:		18			
East 83:		441742			
North 83:		5027285			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.49			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock					
Materials Interval					
--		--			
Formation ID:		1002702133			
Layer:		1			
General Color:		BLACK			
Most Common Material:		OTHER			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		.15			
Formation End Depth UOM:		m			
--		--			
Formation ID:		1002702134			
Layer:		2			
General Color:		GREY			
Most Common Material:		GRAVEL			
Other Materials:		TILL			
Other Materials:		SANDY			
Formation Top Depth:		.15			
Formation End Depth:		4			
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment					
Sealing Record					
--		--			
Plug ID:		1002702136			
Layer:		1			
Plug From:		0			
Plug To:		.3			
Plug Depth UOM:		m			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Plug ID:		1002702137			
Layer:		2			
Plug From:		.3			
Plug To:		2			
Plug Depth UOM:		m			
--		--			
Plug ID:		1002702138			
Layer:		3			
Plug From:		2			
Plug To:		4			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002702142			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		1002702132			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002702139			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.3			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002702140			
Layer:		1			
Slot:					
Screen Top Depth:		2.3			
Screen End Depth:		4			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002702135			
Diameter:		20.3			
Depth From:		0			
Depth To:		4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
6	1 of 1	SW/65.6	68.2	lot 89 Ottawa ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Well ID:	7117157			Lot:	089
Construction Date::				Concession:	
Primary Water Use::				Concession Name:	
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Abandoned Monitoring and Test Hole			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	OTTAWA CITY			UTM Reliability::	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	1002792814				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	01-OCT-08				
Remarks:					
Zone:	18				
East 83:	441749				
North 83:	5027270				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	wwr				
Org CS:	UTM83				
Elevation:	65.73				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	1002792817				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--	--				
Hole Diameter					
--	--				
Hole ID:	1002792816				
Diameter:					
Depth From:					
Depth To:	3.8				
Hole Depth UOM:	m				
Hole Diameter UOM:					
--	--				
--	--				
Bore Hole ID:	1002792810				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	01-OCT-08				
Remarks:					
Zone:	18				
East 83:	441739				
North 83:	5027285				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	wwr				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Org CS:		UTM83			
Elevation:		65.49			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002792813			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002792812			
Diameter:					
Depth From:					
Depth To:		4.6			
Hole Depth UOM:		m			
Hole Diameter UOM:					
--		--			
--		--			
Bore Hole ID:		1002792806			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441745			
North 83:		5027279			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.58			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002792809			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002792808			
Diameter:					
Depth From:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Depth To:		5.2			
Hole Depth UOM:		m			
Hole Diameter UOM:		--			
--		--			
Bore Hole ID:		1002792802			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441744			
North 83:		5027267			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.76			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:		--			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002792805			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002792804			
Diameter:					
Depth From:					
Depth To:		3.8			
Hole Depth UOM:		m			
Hole Diameter UOM:		--			
--		--			
Bore Hole ID:		1002792798			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441735			
North 83:		5027259			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.91			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	1002792801				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--	--				
Hole Diameter					
--	--				
Hole ID:	1002792800				
Diameter:					
Depth From:					
Depth To:	3.8				
Hole Depth UOM:	m				
Hole Diameter UOM:					
--	--				
--	--				
Bore Hole ID:	1002792794				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	01-OCT-08				
Remarks:					
Zone:	18				
East 83:	441728				
North 83:	5027272				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	wwr				
Org CS:	UTM83				
Elevation:	65.6				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	1002792797				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--	--				
Hole Diameter					
--	--				
Hole ID:	1002792796				
Diameter:					
Depth From:					
Depth To:	4.4				
Hole Depth UOM:	m				
Hole Diameter UOM:					
--	--				
--	--				
Bore Hole ID:	1002792790				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441734			
North 83:		5027265			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.76			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002792793			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002792792			
Diameter:					
Depth From:					
Depth To:		5.8			
Hole Depth UOM:		m			
Hole Diameter UOM:					
--		--			
--		--			
Bore Hole ID:		1002792786			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441730			
North 83:		5027272			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.61			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Method of Construction & Well					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Use					
--		--			
Method Construction ID:		1002792789			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002792788			
Diameter:					
Depth From:					
Depth To:		5.2			
Hole Depth UOM:		m			
Hole Diameter UOM:					
--		--			
--		--			
Bore Hole ID:		1002792782			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441755			
North 83:		5027270			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.75			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002792785			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002792784			
Diameter:					
Depth From:					
Depth To:		3.8			
Hole Depth UOM:		m			
Hole Diameter UOM:					
--		--			
--		--			
Bore Hole ID:		1002792777			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		01-OCT-08			
Remarks:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Zone:		18			
East 83:		441743			
North 83:		5027287			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.48			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002792781			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002792780			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
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Hole Diameter					
--		--			
Hole ID:		1002792779			
Diameter:					
Depth From:					
Depth To:		3.8			
Hole Depth UOM:		m			
Hole Diameter UOM:					
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Bore Hole ID:		1001921553			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:		N			
Date Completed:		01-OCT-08			
Remarks:					
Zone:		18			
East 83:		441752			
North 83:		5027282			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.57			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Spatial Status:					
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Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002792818			
Layer:		1			
Plug From:		0			
Plug To:		4.7			
Plug Depth UOM:		m			
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Method of Construction & Well Use					
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Method Construction ID:		1002792819			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
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7	1 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr** 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: 9467634					
Instance ID:					
Instance Type: FS Facility					
Description:					
Status: EXPIRED					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date: 5/15/2009					
7	2 of 21	WSW/71.6	68.8	CANADIAN TIRE PETROLEUM TINA FOLEY 109 RICHMOND RD OTTAWA ON	EXP
Instance No: 10113020					
Instance ID: 12217					
Instance Type: FS Facility					
Description: FS Propane Cylr Handling Facility					
Status: EXPIRED					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
7	3 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr** 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: 11342201					
Instance ID:					
Instance Type: FS Liquid Fuel Tank					
Description:					
Status: EXPIRED					
TSSA Program Area:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Maximum Hazard Rank: Facility Type: Expired Date: 5/15/2009					
7	4 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr** 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: 11342261 Instance ID: Instance Type: FS Liquid Fuel Tank Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 5/15/2009					
7	5 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr** 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: 11342221 Instance ID: Instance Type: FS Liquid Fuel Tank Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 5/15/2009					
7	6 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr** 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: 11342242 Instance ID: Instance Type: FS Liquid Fuel Tank Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 5/15/2009					
7	7 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr** 109 RICHMOND RD OTTAWA ON	EXP
Instance No: 11342278 Instance ID: 78942 Instance Type: FS Piping Description: FS Piping Status: EXPIRED					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
7	8 of 21	WSW/71.6	68.8	CANADIAN TIRE CORPORATION, LIMITED 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11342242 FS Liquid Fuel Tank FS Gasoline Station - Self Serve EXPIRED FS Liquid Fuel Tank 5/15/2009			
7	9 of 21	WSW/71.6	68.8	CANADIAN TIRE CORPORATION, LIMITED 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11342221 FS Liquid Fuel Tank FS Gasoline Station - Self Serve EXPIRED FS Liquid Fuel Tank 5/15/2009			
7	10 of 21	WSW/71.6	68.8	CANADIAN TIRE CORPORATION, LIMITED 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11342201 FS Liquid Fuel Tank FS Gasoline Station - Self Serve EXPIRED FS Liquid Fuel Tank 5/15/2009			
7	11 of 21	WSW/71.6	68.8	CANADIAN TIRE CORPORATION, LIMITED 109 RICHMOND RD OTTAWA ON K1Z 6V8	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type:		11342261 FS Liquid Fuel Tank FS Gasoline Station - Self Serve EXPIRED FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Expired Date:		5/15/2009			
7	12 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD ** 109 RICHMOND RD OTTAWA ON K1Z 6V8	FSTH
License Issue Date:		5/24/2002			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1991			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1991			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1991			
Corrosion Protection:					
Capacity:		31824			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1991			
Corrosion Protection:					
Capacity:		31824			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
7	13 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD C/O Canadian Tire Petroleum 17 Flr 109 RICHMOND RD OTTAWA ON K1Z 6V8	FSTH
License Issue Date:		5/24/2002			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1991			
Corrosion Protection:					
Capacity:		31824			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1991			
Corrosion Protection:					
Capacity:		31824			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Status: Active Year of Installation: 1991 Corrosion Protection: Capacity: 22700 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline Status: Active Year of Installation: 1991 Corrosion Protection: Capacity: 22700 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
7	14 of 21	WSW/71.6	68.8	Canadian Tire Corporation, Limited 109 Richmond Road Ottawa ON K1Z 6V8	GEN
PO Box Num: Status: Country: Generator #: ON8097315 Approval Yrs:: 07,08 SIC Code: 447110 SIC Description: Gasoline Stations with Convenience Stores --Details-- Waste Code: 221 Waste Description: LIGHT FUELS					
7	15 of 21	WSW/71.6	68.8	Canadian Tire Real Estate Limited Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	GEN
PO Box Num: Status: Country: Generator #: ON8895010 Approval Yrs:: As of April 2014 SIC Code: SIC Description: --Details-- Waste Code: 221 Waste Description: Light fuels					
7	16 of 21	WSW/71.6	68.8	Canadian Tire Real Estate Limited Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	GEN
PO Box Num: Status: Country: Generator #: ON8895010 Approval Yrs:: 2011 SIC Code: 447110 SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	17 of 21	WSW/71.6	68.8	Canadian Tire Real Estate Limited Street Right of Way Near 109 Richmond Road Ottawa ON K1Z 6V8	GEN
PO Box Num: Status: Country: Generator #: ON8895010 Approval Yrs:: 2012 SIC Code: 447110 SIC Description: Gasoline Stations with Convenience Stores					
7	18 of 21	WSW/71.6	68.8	Canadian Tire Real Estate Limited Street Right of Way Near 109 Richmond Road Ottawa ON	GEN
PO Box Num: Status: Country: Generator #: ON8895010 Approval Yrs:: 2013 SIC Code: 447110 SIC Description:					
--Details-- Waste Code: 221 Waste Description: LIGHT FUELS					
7	19 of 21	WSW/71.6	68.8	CANADIAN TIRE CORP LTD PETROLEUM DIVISION - MELISS 109 RICHMOND RD OTTAWA ON K1Z6V8	PRT
Location ID: 11056 Type: retail Expiry Date: 1995-06-30 Capacity (L): 0 Licence #: 0012228038					
7	20 of 21	WSW/71.6	68.8	CANADIAN TIRE STORES 109 RICHMOND RD OTTAWA ON K1Z6V8	RST
Code: 1186800 Facility: Service Stations-Gasoline, Oil & Natural Gas Description: List Name:					
7	21 of 21	WSW/71.6	68.8	CANADIAN TIRE GAS BAR 109 RICHMOND RD OTTAWA ON K1Z 6V8	RST
Code: 1186800 Facility: Service Stations-Gasoline, Oil & Natural Gas Description: List Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	1 of 1	ESE/73.9	67.7	DOW MOTORS 72 RICHMOND RD. FURNACE OIL TANK OTTAWA CITY ON K1Z 6V7	SPL
Ref No: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality:		8307	ABOVE-GROUND TANK LEAK 8/19/1988 EQUIPMENT FAILURE DOW MOTORS - 800 L OF FURNACE OIL TO GROUND FROM LEAKY STORAGE TANK. 8/19/1988 NOT ANTICIPATED LAND		
9	1 of 1	NE/74.8	65.5	Island Park Dr Ottawa ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):		20070517033	6/27/2007 CAN - Custom Report 0.25		
10	1 of 1	NNE/87.1	64.1	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::		805594 Geotechnical/Geological Investigation Not known 441820.77 1.6 30-JUL-1987	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5027394.44 -999.9 63.7 AH.4 -999.9	
--Details--					
Stratum ID: Bottom Depth(m):		218585406 0.1	Top Depth(m): Stratum Desc:	0.0 Asphalt	
Stratum ID: Bottom Depth(m):		218585407 0.7	Top Depth(m): Stratum Desc:	0.1 Brown Sand - Gravel	
Stratum ID: Bottom Depth(m):		218585408 1.0	Top Depth(m): Stratum Desc:	0.7 Dark Brown Silt - Sand With: Gr W Org M	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218585409			Top Depth(m):	1.0
Bottom Depth(m):	1.6			Stratum Desc:	Brown Silt - Sand Trace: Gr
11	1 of 1	WSW/91.6	67.2	Ottawa ON	WWIS
Well ID:	7128490			Lot:	
Construction Date::				Concession:	
Primary Water Use::	Monitoring			Concession Name:	
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Test Hole			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	OTTAWA CITY			UTM Reliability::	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	1002817759				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	22-APR-09				
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:	9				
UTMRC Description:	unknown UTM				
Location Method:	na				
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Annular Space/Abandonment					
Sealing Record					
--	--				
Plug ID:	1002817763				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--	--				
Method of Construction & Well					
Use					
--	--				
Method Construction ID:	1002817762				
Method Construction Code:					
Method Construction:					
Other Method Construction:	HSA				
--	--				
Pipe Information					
--	--				
Pipe ID:	1002817764				
Casing Number:	0				
Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Alt Name:					
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Construction Record - Casing					
--		--			
Casing ID:		1002817766			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817765			
Layer:					
Slot:					
Screen Top Depth:		1.6			
Screen End Depth:		4.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817767			
Pump Set At:					
Static Level:		2.33			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817761			
Diameter:		20			
Depth From:					
Depth To:		4.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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--		--			
Bore Hole ID:		1002817750			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		22-APR-09			
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:		9			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
UTMRC Description:		unknown UTM			
Location Method:		na			
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002817754			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002817753			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
--		--			
Pipe Information					
--		--			
Pipe ID:		1002817755			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002817757			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.9			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
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--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817756			
Layer:					
Slot:					
Screen Top Depth:		1.9			
Screen End Depth:		4.9			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817758			
Pump Set At:					
Static Level:		2.62			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817752			
Diameter:		20			
Depth From:					
Depth To:		4.9			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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--		--			
Bore Hole ID:		1002817741			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		22-APR-09			
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		na			
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment					
Sealing Record					
--		--			
Plug ID:		1002817745			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well					
Use					
--		--			
Method Construction ID:		1002817744			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
--		--			
Pipe Information					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Pipe ID:		1002817746			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002817748			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		2.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817747			
Layer:					
Slot:					
Screen Top Depth:		2.5			
Screen End Depth:		5.5			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817749			
Pump Set At:					
Static Level:		2.54			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817743			
Diameter:		20			
Depth From:					
Depth To:		5.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
Bore Hole ID:		1002817732			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		22-APR-09			
Remarks:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Zone:					
East 83:					
North 83:					
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		na			
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002817736			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002817735			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
--		--			
Pipe Information					
--		--			
Pipe ID:		1002817737			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002817739			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		2.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817738			
Layer:					
Slot:					
Screen Top Depth:		2.5			
Screen End Depth:		5.5			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
--		--			
Well Yield Testing					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Pump Test ID:		1002817740			
Pump Set At:					
Static Level:		3.15			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817734			
Diameter:		20			
Depth From:					
Depth To:		5.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
Bore Hole ID:		1002817723			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		21-APR-09			
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		na			
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002817727			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well Use					
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Method Construction ID:		1002817726			
Method Construction Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method Construction:					
Other Method Construction:		HSA			
--		--			
Pipe Information					
--		--			
Pipe ID:		1002817728			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002817730			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		2.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817729			
Layer:					
Slot:					
Screen Top Depth:		2.6			
Screen End Depth:		4.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817731			
Pump Set At:					
Static Level:		2.69			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817725			
Diameter:		20			
Depth From:					
Depth To:		4.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
Bore Hole ID:		1002817714			
DP2BR:					
Code OB:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code OB Description:					
Open Hole:					
Date Completed:		21-APR-09			
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		na			
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002817718			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
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Method of Construction & Well Use					
--		--			
Method Construction ID:		1002817717			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
--		--			
Pipe Information					
--		--			
Pipe ID:		1002817719			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002817721			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		2.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
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--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817720			
Layer:					
Slot:					
Screen Top Depth:		2.5			
Screen End Depth:		4.9			
Screen Material:					
Screen Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Diameter UOM:					
Screen Diameter:					
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817722			
Pump Set At:					
Static Level:		3.26			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817716			
Diameter:		20			
Depth From:					
Depth To:		4.9			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
Bore Hole ID:		1002817705			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		20-APR-09			
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		na			
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002817709			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Use					
--		--			
Method Construction ID:		1002817708			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
--		--			
Pipe Information					
--		--			
Pipe ID:		1002817710			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002817712			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		3.4			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817711			
Layer:					
Slot:					
Screen Top Depth:		3.4			
Screen End Depth:		4.9			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
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--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817713			
Pump Set At:					
Static Level:		3.31			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
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:		1002817707			
Diameter:		20			
Depth From:					
Depth To:		4.9			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Bore Hole ID:		1002697171			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:		N			
Date Completed:		21-APR-09			
Remarks:					
Zone:		18			
East 83:		441715			
North 83:		5027279			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		65.38			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		1002817770			
Layer:		1			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		BOULDERS			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		3.5			
Formation End Depth UOM:		m			
--		--			
Formation ID:		1002817771			
Layer:		2			
General Color:		GREY			
Most Common Material:		CLAY			
Other Materials:		SILT			
Other Materials:		SANDY			
Formation Top Depth:		3.5			
Formation End Depth:		3.7			
Formation End Depth UOM:		m			
--		--			
Formation ID:		1002817772			
Layer:		3			
General Color:		GREY			
Most Common Material:		BOULDERS			
Other Materials:					
Other Materials:					
Formation Top Depth:		3.7			
Formation End Depth:		4.3			
Formation End Depth UOM:		m			
--		--			
Formation ID:		1002817773			
Layer:		4			
General Color:		GREY			
Most Common Material:		CLAY			
Other Materials:		SAND			
Other Materials:		SILTY			
Formation Top Depth:		4.3			
Formation End Depth:		5.6			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002817775			
Layer:		1			
Plug From:		.2			
Plug To:		2			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002817778			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		1002817768			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002817776			
Layer:		1			
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.8			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1002817769			
Pump Set At:					
Static Level:		2.95			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002817774			
Diameter:		20			
Depth From:		0			
Depth To:		5.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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12	1 of 1	WSW/98.5	66.9	ON	WWIS
Well ID: 7223431 Construction Date:: Primary Water Use:: Sec. Water Use:: Final Well Status:: Specific Capacity:: Municipality: NEPEAN TOWNSHIP County: OTTAWA-CARLETON Lot: Concession: Concession Name: Easting NAD83:: Northing NAD83:: Zone:: UTM Reliability::					
Bore Hole Information -- Bore Hole ID: 1004911593 DP2BR: Code OB: Code OB Description: Open Hole: Date Completed: 27-NOV-13 Remarks: Zone: 18 East 83: 441705 North 83: 5027289 UTMRC: 4 UTMRC Description: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Elevation: Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status: -- --					
13	1 of 1	SW/101.0	67.4	FRANCIS FUELS RICHMOND ROAD AT PATRICIA TANK TRUCK (CARGO) OTTAWA CITY ON	SPL
Ref No: 14473 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: OTHER CONTAINER LEAK Incident Dt: 2/1/1989 Incident Reason: EQUIPMENT FAILURE Incident Summary: BACKENTRY - FRANCIS FUELS MOE Reported Dt: 2/1/1989 Environmental Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: LAND SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality: 20101					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
14	1 of 1	ENE/112.7	65.9	Imperial Oil Richmond Road @ Island Park Drive Ottawa ON K1Y 0B1	GEN
PO Box Num: Status: Country: Generator #: ON7464578 Approval Yrs:: 05,06 SIC Code: 447190 SIC Description: Other Gasoline Stations					
--Details--					
Waste Code: 221 Waste Description: LIGHT FUELS					
Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS					
15	1 of 1	SW/114.8	67.4	ON	WWIS
Well ID: 7050567 Construction Date:: Primary Water Use:: Sec. Water Use:: Final Well Status:: Test Hole Specific Capacity:: Municipality: OTTAWA CITY County: OTTAWA-CARLETON					
Lot: Concession: Concession Name: Easting NAD83:: Northing NAD83:: Zone:: UTM Reliability::					
Bore Hole Information					
-- Bore Hole ID: 23050567 DP2BR: Code OB: Code OB Description: Open Hole: Date Completed: 05-JUL-07 Remarks: Zone: 18 East 83: 441710 North 83: 5027240 UTMRC: 3 UTMRC Description: margin of error : 10 - 30 m Location Method: wwr Org CS: UTM83 Elevation: 66.12 Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status:					
--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Overburden and Bedrock Materials Interval					
--	--	--	--	--	--
Formation ID:		30150567			
Layer:		1			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		COARSE GRAVEL			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1.52			
Formation End Depth UOM:		m			
--	--	--	--	--	--
Formation ID:		30250567			
Layer:		2			
General Color:		GREY			
Most Common Material:		SILT			
Other Materials:		SAND			
Other Materials:		COARSE GRAVEL			
Formation Top Depth:		1.52			
Formation End Depth:		3.65			
Formation End Depth UOM:		m			
--	--	--	--	--	--
Annular Space/Abandonment Sealing Record					
--	--	--	--	--	--
Plug ID:		44006034			
Layer:		1			
Plug From:		0			
Plug To:		.45			
Plug Depth UOM:		m			
--	--	--	--	--	--
Plug ID:		44006035			
Layer:		2			
Plug From:		.45			
Plug To:		2.13			
Plug Depth UOM:		m			
--	--	--	--	--	--
Plug ID:		44006033			
Layer:		3			
Plug From:		2.13			
Plug To:		3.65			
Plug Depth UOM:		m			
--	--	--	--	--	--
Method of Construction & Well Use					
--	--	--	--	--	--
Method Construction ID:		25950567			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
--	--	--	--	--	--
Pipe Information					
--	--	--	--	--	--
Pipe ID:		29050567			
Casing Number:		0			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:		42150567			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.43			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Casing Diameter: 5.08 Casing Diameter UOM: cm Casing Depth UOM: m -- -- Hole Diameter -- -- Hole ID: 46004699 Diameter: 15.24 Depth From: 0 Depth To: 3.65 Hole Depth UOM: m Hole Diameter UOM: cm -- -- -- --					
16	1 of 1	W/122.5	65.6	348 Patricia Ave Ottawa ON K1Z 6G6	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20121018008 Addit. Info Ordered:: Report Date: 24-OCT-12 Report Type: Custom Report Search Radius (km): .25					
17	1 of 1	WSW/124.7	67.1	Ashcroft Homes - 111 Richmond Road Inc. No Municipal Address OTTAWA ON	RSC
Registration No: 113164 RSC Type: Restoration Type: Date Submitted: 23-Jun-11 Date Acknowledg.: Certification Date: 16-Jun-11 Date Returned: Soil Type: Criteria: Current Property Use: Commercial Certificate Prop Use No: No CPU Intended Prop Use: Residential Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use Stratified (Y/N): Consultant: District Office: OTTAWA Property Municipal Address: No Municipal Address Legal Description: PT LT 32, CON 1 OF, AS IN NS138723; OTTAWA/NEPEAN Prop. Identification No: 04021 - 0077 LT Entire legal prop. (y/n): Yes UTM Coordinates: NAD83 18-441689-5027256 (converted from Latitude & Longitude) Latitude & Longitude: 45.39638890N 75.74500000W Accuracy Estimate: 11 to 20 meters Measurement Method: Digitized from a satellite image CPU Issued Sect 1686: No					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
18	1 of 7	WSW/126.4	67.1	119 Richmond Road Ottawa ON K1Z 6W1	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20061120009 Addit. Info Ordered:: Fire Insur. Maps And /or Site Plans; Title Search; Aerials Photos; City Directory Report Date: 11/28/2006 Report Type: Complete Report Search Radius (km): 0.25					
18	2 of 7	WSW/126.4	67.1	CANADIAN TIRE, Store 88 119 RICHMOND RD OTTAWA ON K1Z 6W1	GEN
PO Box Num: Status: Country: Generator #: ON2010539 Approval Yrs:: 04,05,06 SIC Code: 452999 SIC Description: All Other Miscellaneous General Merchandise Stores --Details-- Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS Waste Code: 253 Waste Description: EMULSIFIED OILS					
18	3 of 7	WSW/126.4	67.1	Canadian Tire Real Estate Limited 119 Richmond Road Ottawa ON K1Z 6W1	GEN
PO Box Num: Status: Country: Generator #: ON3351495 Approval Yrs:: 07,08 SIC Code: 531310 SIC Description: Real Estate Property Managers --Details-- Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
18	4 of 7	WSW/126.4	67.1	CANADIAN TIRE/DENANCO SALES LTD. 119 RICHMOND RD OTTAWA ON K1Z 6W1	PES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Detail Licence No.: Licence Type:Vendor					
18	5 of 7	WSW/126.4	67.1	LES ENTERPRISES SYLVAIN CHARRON INC. 119 RICHMOND ROAD OTTAWA ON K1Z 6W1	PES
Detail Licence No.: Licence Type:23-01-11924-0 Limited Vendor					
18	6 of 7	WSW/126.4	67.1	CANADIAN TIRE / ROLAND DOYON ENTERPRISES INC. 119 RICHMOND RD OTTAWA ON K1Z 6W1	PES
Detail Licence No.: Licence Type:Limited Vendor					
18	7 of 7	WSW/126.4	67.1	CANADIAN TIRE / ROLAND DOYON ENTERPRISES INC. 119 RICHMOND RD OTTAWA ON K1Z 6W1	PES
Detail Licence No.: Licence Type:Vendor					
19	1 of 1	E/126.6	67.0	ON	BORE
Borehole ID:805592 Use:Geotechnical/Geological Investigation Drill Method::Not known Easting::441927.96 Location Accuracy:: Elev. Reliability Note:: Total Depth m::1.6 Township:: Lot:: Completion Date::30-JUL-1987 Primary Water Use:: Type:Borehole Status:: UTM Zone::18 Northing::5027311.45 Orig. Ground Elev m::-999.9 DEM Ground Elev m::67.9 Primary Name::AH.3 Concession:: Municipality: Static Water Level::-999.9 Sec. Water Use::					
--Details-- Stratum ID:218585397 Bottom Depth(m):0.2 Stratum ID:218585398 Bottom Depth(m):0.7 Stratum ID:218585399 Bottom Depth(m):1.1 Stratum ID:218585400 Bottom Depth(m):1.6 Top Depth(m):0.0 Stratum Desc:Asphalt Top Depth(m):0.2 Stratum Desc:Brown Silt - Sand With: Gr W Cob Top Depth(m):0.7 Stratum Desc:Dark Brown Silt - Sand With: Gr W Org M Top Depth(m):1.1 Stratum Desc:Light Brown Silt - Sand					
20	1 of 1	NE/133.9	65.6	OTTAWA ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Well ID:	1535403			Lot:	
Construction Date::				Concession:	
Primary Water Use::				Concession Name:	
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Observation Wells			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	OTTAWA CITY			UTM Reliability::	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	11315942				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	31-JAN-05				
Remarks:					
Zone:	18				
East 83:	441900				
North 83:	5027400				
UTMRC:					
UTMRC Description:					
Location Method:	wwr				
Org CS:	UTM83				
Elevation:	64.58				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	932996250				
Layer:	1				
General Color:	GREY				
Most Common Material:	SAND				
Other Materials:	SILTY				
Other Materials:	CLAY				
Formation Top Depth:	0				
Formation End Depth:	4				
Formation End Depth UOM:	m				
--	--				
Annular Space/Abandonment Sealing Record					
--	--				
Plug ID:	933266156				
Layer:	1				
Plug From:	0				
Plug To:	1				
Plug Depth UOM:	m				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961535403				
Method Construction Code:	B				
Method Construction:	Other Method				
Other Method Construction:					
--	--				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe Information					
--	--	--	--	--	--
Pipe ID:		11330797			
Casing Number:		1			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:		930855167			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.5			
Casing Diameter:		5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--	--	--	--	--	--
--	--	--	--	--	--
Construction Record - Screen					
--	--	--	--	--	--
Screen ID:		933412018			
Layer:		1			
Slot:		#10			
Screen Top Depth:		2.5			
Screen End Depth:		4			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.5			
--	--	--	--	--	--
Hole Diameter					
--	--	--	--	--	--
Hole ID:		11533419			
Diameter:		20			
Depth From:		0			
Depth To:		4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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--	--	--	--	--	--

21	1 of 1	ENE/145.0	65.6	ON	WWIS
Well ID:	7207988			Lot:	
Construction Date::				Concession:	
Primary Water Use::				Concession Name:	
Sec. Water Use::				Easting NAD83::	
Final Well Status::				Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	NEPEAN TOWNSHIP			UTM Reliability::	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--	--	--	--	--
Bore Hole ID:	1004570415				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	13-MAY-13				
Remarks:					
Zone:	18				
East 83:	441939				

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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Operation Type Involved: Enforcement Policy: Prc Escalation Required: Task No: Notes: Occurrence Narrative: B34SO reg head broke off the body. Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
23	1 of 1	S/156.0	68.2	SCEURS DE LE VISITATION D'OTTAWA 114 RICHMOND RD OTTAWA ON	GEN
PO Box Num: Status: Country: Generator #: ON2685948 Approval Yrs:: 2009 SIC Code: 813110 SIC Description: Religious Organizations --Details-- Waste Code: 221 Waste Description: LIGHT FUELS					
24	1 of 1	ENE/156.5	66.1	Claridge Homes Corporation 1451 Wellington Street West Ottawa ON K1Y 2X4	GEN
PO Box Num: Status: Country: Generator #: ON6730674 Approval Yrs:: 2011 SIC Code: 236110 SIC Description:					
25	1 of 1	NNW/159.5	62.6	ON	BORE
Borehole ID: 805596 Use: Geotechnical/Geological Investigation Drill Method:: Not known Easting:: 441720.04 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 1.6 Township:: Lot:: Completion Date:: 30-JUL-1987 Primary Water Use:: --Details-- Stratum ID: 218585414 Bottom Depth(m): 0.2					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5027446.81 Orig. Ground Elev m:: -999.9 DEM Ground Elev m:: 63.7 Primary Name:: AH.5 Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use:: Top Depth(m): 0.0 Stratum Desc: Asphalt					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218585415			Top Depth(m):	0.2
Bottom Depth(m):	0.6			Stratum Desc:	Brown Sand - Gravel With: Si
Stratum ID:	218585416			Top Depth(m):	0.6
Bottom Depth(m):	0.8			Stratum Desc:	Dark Grey Crushed Stone
Stratum ID:	218585417			Top Depth(m):	0.8
Bottom Depth(m):	1.1			Stratum Desc:	Dark Brown sand silt With: Gr W Org M
Stratum ID:	218585418			Top Depth(m):	1.1
Bottom Depth(m):	1.6			Stratum Desc:	Brown Silt - Sand With: Gr

26	1 of 2	NW/171.9	64.4	ON	BORE
Borehole ID:	613059			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	441681			Northing::	5027432
Location Accuracy::				Orig. Ground Elev m::	64
Elev. Reliability Note::				DEM Ground Elev m::	63
Total Depth m::	36.6			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	JUN-1948			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218393519			Top Depth(m):	22.3
Bottom Depth(m):	36.6			Stratum Desc:	SHALE. 00010001208000200405004 DENSE. SAND. DENSE. BEDROCK. 00008 009 00030 010
Stratum ID:	218393515			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	SOIL.
Stratum ID:	218393516			Top Depth(m):	0.3
Bottom Depth(m):	2.7			Stratum Desc:	GRAVEL.
Stratum ID:	218393517			Top Depth(m):	2.7
Bottom Depth(m):	21.3			Stratum Desc:	LIMESTONE.
Stratum ID:	218393518			Top Depth(m):	21.3
Bottom Depth(m):	22.3			Stratum Desc:	SANDSTONE.

26	2 of 2	NW/171.9	64.4	lot 32 con 1 ON	WWIS
Well ID:	1503973			Lot:	032
Construction Date::				Concession:	01
Primary Water Use::	Domestic			Concession Name:	OF
Sec. Water Use::				Easting NAD83::	
Final Well Status::	Water Supply			Northing NAD83::	
Specific Capacity::				Zone::	
Municipality:	OTTAWA CITY (NEPEAN)			UTM Reliability::	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10026016				
DP2BR:	9				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		10-JUN-48			
Remarks:					
Zone:		18			
East 83:		441680.7			
North 83:		5027432			
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		p9			
Org CS:					
Elevation:		63			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		930998064			
Layer:		1			
General Color:					
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930998065			
Layer:		2			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:		CLAY			
Other Materials:					
Formation Top Depth:		1			
Formation End Depth:		9			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930998066			
Layer:		3			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		9			
Formation End Depth:		70			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930998067			
Layer:		4			
General Color:					
Most Common Material:		SANDSTONE			
Other Materials:		ROCK			
Other Materials:					
Formation Top Depth:		70			
Formation End Depth:		73			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930998068			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		5			
General Color:					
Most Common Material:		SHALE			
Other Materials:					
Other Materials:					
Formation Top Depth:		73			
Formation End Depth:		120			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961503973			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10574586			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930044765			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		10			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930044766			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		120			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991503973			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		12			
Recommended Pump Depth:					
Pumping Rate:		5			
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:		N			
--		--			
Water Details					
--		--			
Water ID:		933457009			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: -- Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: -- --					
		1			
		1			
		FRESH			
		10			
		ft			
		--			
		933457010			
		2			
		1			
		FRESH			
		120			
		ft			
		--			
		--			
27	1 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
		10903944			
		FS Liquid Fuel Tank			
		EXPIRED			
		5/22/2009			
27	2 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
		10903896			
		FS Liquid Fuel Tank			
		EXPIRED			
		5/22/2009			
27	3 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
		10903881			
		FS Liquid Fuel Tank			
		EXPIRED			
		5/22/2009			
27	4 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	EXP

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Instance No: 10903918 Instance ID: 52390 Instance Type: FS Liquid Fuel Tank Description: FS Liquid Fuel Tank Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
27	5 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	EXP
Instance No: 10903909 Instance ID: 50878 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
27	6 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	EXP
Instance No: 10903957 Instance ID: 51159 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
27	7 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	EXP
Instance No: 10903890 Instance ID: 51588 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
27	8 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: 10903944 Instance ID:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/22/2009			
27	9 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR& RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10903896 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/22/2009			
27	10 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR& RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10903881 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/22/2009			
27	11 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR& RICHMOND RD OTTAWA ON K1Y 0B1	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10903918 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/22/2009			
27	12 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR& RICHMOND RD OTTAWA ON K1Y 0B1	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status:		11298381 FS Liquid Fuel Tank Gasoline Active			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		29000 Fiberglass (FRP) Fiberglass Double Wall UST 1994 FS Gasoline Station - Full Serve FS Liquid Fuel Tank			
27	13 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		11272658 FS Liquid Fuel Tank Gasoline Active 50000 Fiberglass (FRP) Fiberglass Double Wall UST 1994 FS Gasoline Station - Full Serve FS Liquid Fuel Tank			
27	14 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		7/26/2002 Licensed August 2007 Retail Fuel Outlet Gasoline Station - Full Serve			
--Details--					
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 9999 22700 Liquid Fuel Single Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 9999 22700 Liquid Fuel Single Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 9999 22700 Liquid Fuel Single Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 9999 22700 Liquid Fuel Single Wall UST - Gasoline			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	15 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON K1Y 0B1	FSTH
License Issue Date:		7/26/2002			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
--Details--					
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		50000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		29000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
27	16 of 18	ENE/173.3	66.2	NEWCOMBE HOLDINGS LIMITED 369 ISLAND PARK DR & RICHMOND RD OTTAWA ON	PRT
Location ID:		10976			
Type:		retail			
Expiry Date:		1995-08-31			
Capacity (L):		79000			
Licence #:		0026184001			
27	17 of 18	ENE/173.3	66.2	ISLAND PARK ESSO SERVICE CENTRE 369 ISLAND PARK DR OTTAWA ON K1Y 0B1	RST

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code: 01186800 Facility: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS Description: List Name:					
27	18 of 18	ENE/173.3	66.2	ISLAND PARK ESSO SERVICE CENTRE 369 ISLAND PARK DR OTTAWA ON K1Y0B1	RST
Code: 01186800 Facility: SERVICE STATIONS GASOLINE OIL & NATURAL Description: List Name:					
28	1 of 1	ENE/177.5	65.9	OTTAWA ON	WWIS
Well ID: 1536430 Construction Date:: Primary Water Use:: Sec. Water Use:: Final Well Status:: Abandoned-Other Specific Capacity:: Municipality: OTTAWA CITY County: OTTAWA-CARLETON Lot: Concession: Concession Name: Easting NAD83:: Northing NAD83:: Zone:: UTM Reliability::					
Bore Hole Information					
--					
Bore Hole ID: 11550496					
DP2BR:					
Code OB:					
Code OB Description: No formation data					
Open Hole:					
Date Completed: 09-MAY-06					
Remarks:					
Zone: 18					
East 83: 441962					
North 83: 5027385					
UTMRC: 3					
UTMRC Description: margin of error : 10 - 30 m					
Location Method: wwr					
Org CS: UTM83					
Elevation: 66.52					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Annular Space/Abandonment					
Sealing Record					
--					
Plug ID: 933292302					
Layer: 1					
Plug From: 0					
Plug To: 4.21					
Plug Depth UOM: m					
--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method of Construction & Well Use					
--	--				
Method Construction ID:	961536430				
Method Construction Code:	A				
Method Construction:	Digging				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	11560103				
Casing Number:	1				
Comment:					
Alt Name:					
Hole Diameter					
--	--				
Hole ID:	11681204				
Diameter:	20				
Depth From:	0				
Depth To:	4.21				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
--	--				
--	--				

29	1 of 1	SSW/179.6	69.1	ON	BORE
Borehole ID: 804839					
Use: Geotechnical/Geological Investigation					
Drill Method:: Power auger					
Easting:: 441737.94					
Location Accuracy::					
Elev. Reliability Note::					
Total Depth m:: 7					
Township::					
Lot::					
Completion Date:: 11-MAY-1968					
Primary Water Use::					
Type: Borehole					
Status::					
UTM Zone:: 18					
Northing:: 5027141.52					
Orig. Ground Elev m:: 30.1					
DEM Ground Elev m:: 69.7					
Primary Name:: BH 1					
Concession::					
Municipality:					
Static Water Level:: 2.9					
Sec. Water Use::					
--Details--					
Stratum ID: 218582268					
Bottom Depth(m): 0.1					
Top Depth(m): 0.0					
Stratum Desc: Asphalt					
Stratum ID: 218582269					
Bottom Depth(m): 0.9					
Top Depth(m): 0.1					
Stratum Desc: Dark Brown Compact Fill-Misc Sand - Gravel					
Stratum ID: 218582270					
Bottom Depth(m): 2.9					
Top Depth(m): 0.9					
Stratum Desc: Brown Compact Sand - Gravel With: Si					
Stratum ID: 218582271					
Bottom Depth(m): 4.9					
Top Depth(m): 2.9					
Stratum Desc: Grey Stiff Silty Clay With: Org M Trace: Gr					
Stratum ID: 218582272					
Bottom Depth(m): 7.0					
Top Depth(m): 4.9					
Stratum Desc: Grey Compact Till sand silt With: Cl W Gr					

30	1 of 1	SSW/180.8	69.4	ON	BORE
Borehole ID: 804840					
Use: Geotechnical/Geological Investigation					
Drill Method:: Power auger					
Type: Borehole					
Status::					
UTM Zone:: 18					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Easting::	441747.97			Nothing::	5027136.83
Location Accuracy::				Orig. Ground Elev m::	30.1
Elev. Reliability Note::				DEM Ground Elev m::	69.9
Total Depth m::	6.2			Primary Name::	BH 2
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	11-MAY-1968			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218582273			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218582274			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Dark Brown Fill-Misc Sand - Gravel
Stratum ID:	218582275			Top Depth(m):	0.3
Bottom Depth(m):	3.0			Stratum Desc:	Brown Very Loose to Loose Sand With: Gr Trace: Si
Stratum ID:	218582276			Top Depth(m):	3.0
Bottom Depth(m):	4.7			Stratum Desc:	Grey Stiff Silty Clay Trace: Gr
Stratum ID:	218582277			Top Depth(m):	4.7
Bottom Depth(m):	6.2			Stratum Desc:	Grey Dense Till sand silt With: Cl W Gr
31	1 of 2	SSW/188.9	69.3	Ottawa-Carleton District School Board 407 Hilson Avenue Ottawa ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:					
Approval Yrs::					
SIC Code:					
SIC Description:					
--Details--					
Waste Code:					
Waste Description:					
Waste Code:					
Waste Description:					
31	2 of 2	SSW/188.9	69.3	Ottawa-Carleton District School Board Health & Safety 407 Hilson Avenue Ottawa ON K1Z 6B9	GEN
PO Box Num:					
Status:					
Country:					
Generator #:					
Approval Yrs::					
SIC Code:					
SIC Description:					
--Details--					
Waste Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		Other specified inorganic sludges, slurries or solids			
Waste Code:		145 I			
Waste Description:		Wastes from the use of pigments, coatings and paints			
32	1 of 1	ESE/195.5	71.0	ON	BORE
Borehole ID:		805589	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status::		
Drill Method::		Not known	UTM Zone::		18
Easting::		441971.14	Northing::		5027212.66
Location Accuracy::			Orig. Ground Elev m::		-999.9
Elev. Reliability Note::			DEM Ground Elev m::		71.1
Total Depth m::		1.6	Primary Name::		AH.2
Township::			Concession::		
Lot::			Municipality:		
Completion Date::		30-JUL-1987	Static Water Level::		-999.9
Primary Water Use::			Sec. Water Use::		
--Details--					
Stratum ID:		218585383	Top Depth(m):		0.0
Bottom Depth(m):		0.1	Stratum Desc:		Asphalt
Stratum ID:		218585384	Top Depth(m):		0.1
Bottom Depth(m):		0.2	Stratum Desc:		Crushed Stone
Stratum ID:		218585385	Top Depth(m):		0.2
Bottom Depth(m):		0.4	Stratum Desc:		Grey Crushed Stone With: Cob
Stratum ID:		218585386	Top Depth(m):		0.4
Bottom Depth(m):		0.6	Stratum Desc:		Dark Brown Silt - Sand With: Org M
Stratum ID:		218585387	Top Depth(m):		0.6
Bottom Depth(m):		1.6	Stratum Desc:		Light Brown Silt - Sand With: Gr
33	1 of 1	ENE/197.6	66.3	Newcombe Holdings Limited 1440 Wellington Street West Ottawa ON K1Y 2X3	CA
Certificate #:		6933-6EAL9G			
Application Year:		2005			
Issue Date:		7/15/2005			
Approval Type:		Industrial Sewage Works			
Status:		Approved			
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::					
Contaminants::					
Emission Control::					
34	1 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LTD. 145 RICHMOND ROAD OTTAWA CITY ON K1Z 1A1	CA
Certificate #:		8-4144-97-			
Application Year:		97			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		11/14/1997 Industrial air Approved			
		TWENTY-ONE EMISSION SOURCES			
34	2 of 25	W/198.3	64.5	Canadian Bank Note Company, Limited 145 Richmond Road Ottawa ON K1Z 1A1	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		0052-6A6SDK 2005 6/11/2005 Air Revoked and/or Replaced			
34	3 of 25	W/198.3	64.5	Canadian Bank Note Company, Limited 145 Richmond Road Ottawa ON K1Z 1A1	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		8637-6HZJ6S 2005 11/17/2005 Air Approved			
34	4 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LTD. 145 RICHMOND ROAD City of Ottawa ON K1Z 1A1	EBR
Company Name: Year: Notice Type: EBR Registry No.: Instrument Type: Proposal Date: Ministry Ref. No.: Location:		1997 Instrument IA7E1244 EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) 8/25/97 City of Ottawa			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Proponent Address:		CANADIAN BANK NOTE COMPANY LTD.,145 Richmond Road,Ottawa, Ontario,K1Z 1A1			
Notice Date:					
34	5 of 25	W/198.3	64.5	Canadian Bank Note Company Limited 145 Richmond Road Ottawa ON K1Z 1A1	EBR
Company Name:					
Year:		2004			
Notice Type:		Instrument Decision			
EBR Registry No.:		IA04E0246			
Instrument Type:		Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9			
Proposal Date:					
Ministry Ref. No.:		1421-5VVP5			
Location:		145 Richmond Road Ottawa Ontario K1Z 1A1			
Proponent Address:		145 Richmond Road Ottawa Ontario K1Z 1A1			
Notice Date:					
34	6 of 25	W/198.3	64.5	Canadian Bank Note Company, Limited 145 Richmond Road Ottawa ON K1Z 1A1	EBR
Company Name:					
Year:		2004			
Notice Type:		Instrument Decision			
EBR Registry No.:		IA04E1404			
Instrument Type:		Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9			
Proposal Date:					
Ministry Ref. No.:		8151-65BRAT			
Location:		145 Richmond Road Ottawa Ontario K1Z 1A1			
Proponent Address:		145 Richmond Road Ottawa Ontario K1Z 1A1			
Notice Date:					
34	7 of 25	W/198.3	64.5	Canadian Bank Note Company, Limited 145 Richmond Road Ottawa ON K1Z 1A1	EBR
Company Name:					
Year:		2010			
Notice Type:		Instrument Proposal			
EBR Registry No.:		011-0141			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:		May 28, 2010			
Ministry Ref. No.:		3342-85EPKF			
Location:		145 Richmond Road Ottawa K1Z 1A1			
Proponent Address:		145 Richmond Road Ottawa Ontario Canada K1Z 1A1			
Notice Date:					
34	8 of 25	W/198.3	64.5	145 Richmond Road Ottawa ON K1Z 1A1	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20090914013			
Addit. Info Ordered.:					
Report Date:		9/18/2009			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Report Type: Search Radius (km):		Custom Report 0.25			
34	9 of 25	W/198.3	64.5	CANADIAN BANK NOTE CO. LTD. P.O. BOX 8394 145 RICHMOND ROAD OTTAWA ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs::		86,87,88,89,90			
SIC Code:		2819			
SIC Description:		OTHER COMM. PRINTING			
<u>--Details--</u>					
Waste Code:		111			
Waste Description:		SPENT PICKLE LIQUOR			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
34	10 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 RICHMOND ROAD OTTAWA ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs::		92,93,97,98,99,00,01			
SIC Code:		2819			
SIC Description:		OTHER COMM. PRINTING			
<u>--Details--</u>					
Waste Code:		111			
Waste Description:		SPENT PICKLE LIQUOR			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
34	11 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED08-146 145 RICHMOND ROAD OTTAWA ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs.:		94,95,96			
SIC Code:		2819			
SIC Description:		OTHER COMM. PRINTING			
--Details--					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		111			
Waste Description:		SPENT PICKLE LIQUOR			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			

34	12 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:					
Approval Yrs::					
SIC Code:					
SIC Description:					
ON0045200					
02,03,04,05,06,07,08					
323113					
Commercial Screen Printing					
--Details--					
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		268			
Waste Description:		AMINES			
Waste Code:		268			
Waste Description:		AMINES			
Waste Code:		111			
Waste Description:		SPENT PICKLE LIQUOR			
Waste Code:		133			
Waste Description:		BRINES, CHLOR-ALKALI WASTES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
Waste Code:		243			
Waste Description:		PCB'S			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	13 of 25	W/198.3	64.5	Ed Brunet & Associates Inc. 145 Richmond Road Ottawa ON K1Z 1A1	GEN
PO Box Num: Status: Country: Generator #: ON9380521 Approval Yrs:: 02,03,04 SIC Code: SIC Description:					
--Details-- Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
34	14 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON K1Z 1A1	GEN
PO Box Num: Status: Country: Generator #: ON0045200 Approval Yrs:: As of May 2015 SIC Code: SIC Description:					
--Details-- Waste Code: 252 Waste Description: Waste crankcase oils and lubricants					
Waste Code: 131 Waste Description: Neutralized solutions - containing heavy metals					
Waste Code: 265 Waste Description: Graphic arts wastes					
Waste Code: 243 Waste Description: PCB					
Waste Code: 121 Waste Description: Alkaline slutions - containing heavy metals					
Waste Code: 263 Waste Description: Misc. waste organic chemicals					
Waste Code: 331 Waste Description: Waste compressed gases including cylinders					
Waste Code: 112 Waste Description: Acid solutions - containing heavy metals					
Waste Code: 213 Waste Description: Petroleum distillates					
Waste Code: 146 Waste Description: Other specified inorganic sludges, slurries or solids					
Waste Code: 262 Waste Description: Detergents and soaps					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		241			
Waste Description:		Halogenated solvents and residues			
Waste Code:		212			
Waste Description:		Aliphatic solvents and residues			
Waste Code:		122			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Code:		253			
Waste Description:		Emulsified oils			
Waste Code:		232			
Waste Description:		Polymeric resins			
Waste Code:		264			
Waste Description:		Photoprocessing wastes			
Waste Code:		145			
Waste Description:		Wastes from the use of pigments, coatings and paints			
Waste Code:		267			
Waste Description:		Organic acids			
Waste Code:		148			
Waste Description:		Misc. wastes and inorganic chemicals			

34	15 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs.:		2009			
SIC Code:		323113, 323119			
SIC Description:		Commercial Screen Printing, Other Printing			
--Details--					
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
Waste Code:		268			
Waste Description:		AMINES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code: Waste Description:		131 NEUTRALIZED WASTES - HEAVY METALS			
Waste Code: Waste Description:		133 BRINES, CHLOR-ALKALI WASTES			
Waste Code: Waste Description:		135 REACTIVE ANION WASTES			
Waste Code: Waste Description:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Code: Waste Description:		146 OTHER SPECIFIED INORGANICS			
Waste Code: Waste Description:		148 INORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		212 ALIPHATIC SOLVENTS			
Waste Code: Waste Description:		213 PETROLEUM DISTILLATES			
Waste Code: Waste Description:		232 POLYMERIC RESINS			
Waste Code: Waste Description:		241 HALOGENATED SOLVENTS			
Waste Code: Waste Description:		243 PCBS			
Waste Code: Waste Description:		251 OIL SKIMMINGS & SLUDGES			
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		253 EMULSIFIED OILS			
Waste Code: Waste Description:		262 DETERGENTS/SOAPS			
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		264 PHOTOPROCESSING WASTES			

34	16 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON K1Z 1A1	GEN
PO Box Num: Status: Country: Generator #: ON0045200 Approval Yrs:: 2010 SIC Code: 323113, 323119 SIC Description: Commercial Screen Printing, Other Printing					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		268			
Waste Description:		AMINES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		133			
Waste Description:		BRINES, CHLOR-ALKALI WASTES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		251			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
34	17 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs::		2011			
SIC Code:		323113, 323119			
SIC Description:		Commercial Screen Printing, Other Printing			
--Details--					
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		268			
Waste Description:		AMINES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		133			
Waste Description:		BRINES, CHLOR-ALKALI WASTES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			

34	18 of 25	W/198.3	64.5	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON K1Z 1A1	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs::		2012			
SIC Code:		323113, 323119			
SIC Description:		Commercial Screen Printing, Other Printing			
--Details--					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		133			
Waste Description:		BRINES, CHLOR-ALKALI WASTES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
Waste Code:		268			
Waste Description:		AMINES			
34	19 of 25	W/198.3	64.5	Canadian Bank Note Company Ltd 145 Richmond Road City of Ottawa ON K1Z 1A1	PTTW

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Year: 2000 EBR Registry No.: IA00E1810 Ministry Reference Number: Notice Type: Instrument Instrument Type: OWRA s. 34 - Permit to take water Proposal Date: Location: City of Ottawa Proponent Address: Canadian Bank Note Company Ltd.145 Richmond Road,Ottawa, Ontario, K1Z 1A1 Notice Date:					
34	20 of 25	W/198.3	64.5	Canadian Bank Note Co. Ltd. 145 Richmond Rd Ottawa ON K1Z 1A1	SCT
Established: 01-AUG-97 Plant Size (ft²): Employment: --Details-- Description: Computer and Peripheral Equipment Manufacturing SIC/NAICS Code: 334110 Description: Support Activities for Printing SIC/NAICS Code: 323120 Description: Other Printing SIC/NAICS Code: 323119					
34	21 of 25	W/198.3	64.5	Canadian Bank Note Company Limited 145 Richmond Rd Ottawa ON K1Z 1A1	SCT
Established: 1897 Plant Size (ft²): Employment: 520					
34	22 of 25	W/198.3	64.5	PRIVATE BUSINESS 145 RICHMOND DR. STORAGE TANK OTTAWA CITY ON K1Z 1A1	SPL
Ref No: 218303 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: UNDERGROUND TANK LEAK Incident Dt: 12/15/2001 Incident Reason: UNKNOWN Incident Summary: CANADIAN BANK NOTE INC. 80 L LUBRICATING OIL TO GROUND. MOE Reported Dt: 12/15/2001 Environmental Impact: Possible Nature of Impact: Soil contamination Receiving Medium: Land SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality: 20107					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	23 of 25	W/198.3	64.5	Waste Management of Canada Corporation; Canada Bank Note<UNOFFICIAL> 145 Richmond Rd Ottawa ON K1Z 1A1	SPL
Ref No: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality:		3737-7F9MF8 27 PAINT (OIL-BASED) 4 L Waste Mgmt: paint from garbage to parking lot. Cleaning. 6/3/2008 Not Anticipated Land Spills Waste Disposal Site Ottawa			
34	24 of 25	W/198.3	64.5	Pinchin Environmental Ltd. 145 Richmond Rd Ottawa ON K1Z 1A1	SPL
Ref No: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality:		2080-7WCRV6 15 LUBRICATING OIL/GREASE 80 L FOI request on Canadian Bank Note 9/29/2009 Not Anticipated Freedom of Information Requests (FOI) Unknown Ottawa			
34	25 of 25	W/198.3	64.5	Canadian Bank Note Company, Limited 145 Richmond Rd Ottawa ON K1Z 1A1	SPL
Ref No: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium:		7376-8UXMEC 12 GASOLINE Other Discharges 04-JUN-12 Negligence (Apparent) - Caused by lack of diligence Canadian Bank Note, ½-1L gasoline to gravel, clng 04-JUN-12 Not Anticipated Sewage - Municipal/Private and Commercial			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality:		Land Spills Other Ottawa			
35	1 of 3	SSW/198.4	69.5	Ottawa-Carleton District School Board Health & Safety 407 Hilson Avenue Ottawa ON K1Z 6B9	GEN
PO Box Num: Status: Country: Generator #: Approval Yrs:: SIC Code: SIC Description:		ON7040230 As of May 2015			
--Details-- Waste Code: Waste Description:		146 Other specified inorganic sludges, slurries or solids			
Waste Code: Waste Description:		145 Wastes from the use of pigments, coatings and paints			
35	2 of 3	SSW/198.4	69.5	Ottawa-Carleton District School Board 407 Hilson Avenue Ottawa ON K1Z 6B9	GEN
PO Box Num: Status: Country: Generator #: Approval Yrs:: SIC Code: SIC Description:		ON7040230 2011 611110			
35	3 of 3	SSW/198.4	69.5	Ottawa-Carleton District School Board 407 Hilson Avenue Ottawa ON K1Z 6B9	GEN
PO Box Num: Status: Country: Generator #: Approval Yrs:: SIC Code: SIC Description:		ON7040230 2012 611110 Elementary and Secondary Schools			
36	1 of 1	ENE/202.8	67.1	OTTAWA ON	WWIS
Well ID: Construction Date:: Primary Water Use:: Sec. Water Use:: Final Well Status::		1535588 Observation Wells	Lot: Concession: Concession Name: Easting NAD83:: Northing NAD83::		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Specific Capacity::				Zone::	
Municipality:	OTTAWA CITY			UTM Reliability::	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	11316127				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	04-APR-05				
Remarks:					
Zone:	18				
East 83:	442000				
North 83:	5027350				
UTMRC:					
UTMRC Description:					
Location Method:	wwr				
Org CS:	UTM83				
Elevation:	66.93				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	932996684				
Layer:	1				
General Color:	BROWN				
Most Common Material:	GRAVEL				
Other Materials:	SILT				
Other Materials:	TILL				
Formation Top Depth:	0				
Formation End Depth:	4				
Formation End Depth UOM:	m				
--	--				
Annular Space/Abandonment Sealing Record					
--	--				
Plug ID:	933271657				
Layer:	1				
Plug From:	0				
Plug To:	.7				
Plug Depth UOM:	m				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961535588				
Method Construction Code:	9				
Method Construction:	Driving				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	11330982				
Casing Number:	1				
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930855430			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1			
Casing Diameter:		3			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933413335			
Layer:		1			
Slot:		10			
Screen Top Depth:		1			
Screen End Depth:		3.5			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		3.5			
--		--			
Hole Diameter					
--		--			
Hole ID:		11533637			
Diameter:		10			
Depth From:		0			
Depth To:		4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
37	1 of 1	ENE/209.9	66.6	368 Piccadilly Avenue Ottawa ON K1Y 0H4	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20050318009 Addit. Info Ordered.: Fire Insur. Maps and/or Site Plans Report Date: 3/28/2005 Report Type: Search Radius (km): 0.25					
38	1 of 1	ENE/212.3	66.0	THEBERGE DEVELOPMENTS (WESTBORO) LIMITED 1433 WELLINGTON ST, OTTAWA, ON, K1Y 2X4 ON K1Y 2X4	RSC
Registration No: 96918 RSC Type: Restoration Type: Date Submitted: 10-Mar-11 Date Acknowledg.: Certification Date: 11-Aug-05 Date Returned: Soil Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Criteria:					
Current Property Use:		Commercial			
Certificate Prop Use No:		No CPU			
Intended Prop Use:		Residential			
Applicable Standards:		Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use			
Stratified (Y/N):					
Consultant:					
District Office:		OTTAWA			
Property Municipal Address:		1433 WELLINGTON ST, OTTAWA, ON, K1Y 2X4			
Legal Description:		PT LT4, PL 145, BEING THE E 1/2, N/S RICHMOND RD (NOW WELLINGTON STREET); LTS 5 & 6, PL 145, N/S RICHMOND ROAD (NOW WELLINGTON ST) OTTAWA			
Prop. Identification No:		04030-0156 LT			
Entire legal prop. (y/n):		Yes			
UTM Coordinates:		NAD83 18-442000-5207444			
Latitude & Longitude:		47.01797320N 75.76315870W (converted from UTM)			
Accuracy Estimate:		2 to 5 meters			
Measurement Method:		Global Positioning System			
CPU Issued Sect 1686:		No			

39	1 of 3	WSW/213.4	65.6	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON0045200			
Approval Yrs.:		2013			
SIC Code:		323113, 323119			
SIC Description:		COMMERCIAL SCREEN PRINTING, OTHER PRINTING			
--Details--					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		131			
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS			
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		133			
Waste Description:		BRINES, CHLOR-ALKALI WASTES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
Waste Code:		268			
Waste Description:		AMINES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
39	2 of 3	WSW/213.4	65.6	CANADIAN BANK NOTE COMPANY LIMITED 145 Richmond Rd. Ottawa ON k1z 1a1	GEN
PO Box Num:					
Status:		Registered			
Country:		Canada			
Generator #:		ON0045200			
Approval Yrs::		As of Sep 2016			
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		122 L			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Code:		122 C			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code: Waste Description:		112 C Acid solutions - containing heavy metals			
Waste Code: Waste Description:		112 B Acid solutions - containing heavy metals			
Waste Code: Waste Description:		121 B Alkaline slutions - containing heavy metals			
Waste Code: Waste Description:		145 L Wastes from the use of pigments, coatings and paints			
Waste Code: Waste Description:		145 I Wastes from the use of pigments, coatings and paints			
Waste Code: Waste Description:		131 L Neutralized solutions - containing heavy metals			
Waste Code: Waste Description:		146 T Other specified inorganic sludges, slurries or solids			
Waste Code: Waste Description:		146 L Other specified inorganic sludges, slurries or solids			
Waste Code: Waste Description:		146 B Other specified inorganic sludges, slurries or solids			
Waste Code: Waste Description:		263 L Misc. waste organic chemicals			
Waste Code: Waste Description:		263 I Misc. waste organic chemicals			
Waste Code: Waste Description:		263 B Misc. waste organic chemicals			
Waste Code: Waste Description:		212 L Aliphatic solvents and residues			
Waste Code: Waste Description:		212 I Aliphatic solvents and residues			
Waste Code: Waste Description:		212 B Aliphatic solvents and residues			
Waste Code: Waste Description:		252 L Waste crankcase oils and lubricants			
Waste Code: Waste Description:		213 I Petroleum distillates			
Waste Code: Waste Description:		148 I Misc. wastes and inorganic chemicals			
Waste Code: Waste Description:		148 C Misc. wastes and inorganic chemicals			
Waste Code: Waste Description:		148 B Misc. wastes and inorganic chemicals			
Waste Code: Waste Description:		262 L Detergents and soaps			
Waste Code: Waste Description:		253 L Emulsified oils			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		251 L			
Waste Description:		Waste oils/sludges (petroleum based)			
Waste Code:		267 B			
Waste Description:		Organic acids			
Waste Code:		232 L			
Waste Description:		Polymeric resins			
Waste Code:		232 I			
Waste Description:		Polymeric resins			
Waste Code:		241 H			
Waste Description:		Halogenated solvents and residues			
Waste Code:		331 I			
Waste Description:		Waste compressed gases including cylinders			
Waste Code:		243 D			
Waste Description:		PCB			
Waste Code:		265 L			
Waste Description:		Graphic arts wastes			
Waste Code:		265 C			
Waste Description:		Graphic arts wastes			
Waste Code:		264 T			
Waste Description:		Photoprocessing wastes			
39	3 of 3	WSW/213.4	65.6	Canadian Bank Note Company, Limited 145 Richmond Rd Ottawa ON K1Z 1A1	SPL
Ref No:		4752-AB9MA5			
Contaminant Code:		31			
Contaminant Name:		SMOKE			
Contaminant Quantity:		1 other - see incident description			
Incident Cause:					
Incident Dt:		2016/06/25			
Incident Reason:		Equipment Failure			
Incident Summary:		Canadian Banknote: fire, smoke and particulate.			
MOE Reported Dt:		2016/06/25			
Environmental Impact:					
Nature of Impact:					
Receiving Medium:					
SAC Action Class:		Air Spills - Fires			
Sector Source Type:		Miscellaneous Industrial			
Receiving Environment:		Air; Land			
Incident Event:		Fire/Explosion			
Site Municipality:		Ottawa			
40	1 of 12	W/217.9	65.2	CANADIAN BANK NOTE, LIMITED 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			
NPRI #:		0000010631			
Year:		2003			
Latitude:		45.3965			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
Units:		tonnes			
Air:		11.12			
Water:					
Substances Released:		Volatile Organic Compounds (VOCs)			
Land:					
40	2 of 12	W/217.9	65.2	CANADIAN BANK NOTE COMPANY, LIMITED 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			
NPRI #:		0000010631			
Year:		2004			
Latitude:		45.3965			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nitrous oxide			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nitrogen oxides (expressed as NO2)			
Land:					
Units:		tonnes			
Air:		.645			
Water:					
Substances Released:		2-Butoxyethanol			
Land:					
Units:		tonnes			
Air:		.672			
Water:					
Substances Released:		2-(2-Methoxyethoxy)ethanol			
Land:					
Units:		tonnes			
Air:		.336			
Water:					
Substances Released:		GE - Diethylene glycol ethyl ether (DEGEE)			
Land:					
Units:		tonnes			
Air:		.205			
Water:					
Substances Released:		GE - Ethylene glycol butyl ether acetate (EGBEA)			
Land:					
Units:		tonnes			
Air:		.386			
Water:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Substances Released: Land:		GE - Diethylene glycol butyl ether (DEGBE)			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		Carbon dioxide			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		Carbon monoxide			
Units:		tonnes			
Air:		2.434			
Water:					
Substances Released: Land:		MSG#2 - Hydrotreated light distillate			
Units:		tonnes			
Air:		.779			
Water:					
Substances Released: Land:		MSG#1 - Solvent naphtha medium aliphatic			
Units:		tonnes			
Air:		1.169			
Water:					
Substances Released: Land:		Heavy aromatic solvent naphtha			
Units:		tonnes			
Air:		.116			
Water:					
Substances Released: Land:		Light aromatic solvent naphtha			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		Sulphur dioxide			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		Methane			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		Sulphuric acid			
Units:		tonnes			
Air:		.221			
Water:					
Substances Released: Land:		MSG#3 - White mineral oil			
Units:		tonnes			
Air:		1.84			
Water:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Substances Released: Land:		Stoddard solvent			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		HFC-134a Hydrofluorocarbon			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		PM - Total Particulate Matter			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		PM10 - Particulate Matter <= 10 Microns			
Units:		tonnes			
Air:					
Water:					
Substances Released: Land:		PM2.5 - Particulate Matter <= 2.5 Microns			
Units:		tonnes			
Air:		10.875			
Water:					
Substances Released: Land:		Volatile Organic Compounds (VOCs)			
Units:					
Air:					
Water:					
Substances Released: Land:					
Units:					
Air:					
Water:					
Substances Released: Land:					
Units:					
Air:					
Water:					
Substances Released: Land:					
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Substances Released: Land:					
Units:					
Air:					
Water:					
Sub					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water:					
Substances Released:		MSG#2 - Hydrotreated light distillate			
Land:					
Units:		tonnes			
Air:		1.5			
Water:					
Substances Released:		MSG#1 - Solvent naphtha medium aliphatic			
Land:					
Units:		tonnes			
Air:		.11			
Water:					
Substances Released:		MSG#3 - White mineral oil			
Land:					
Units:		kg			
Air:		0			
Water:					
Substances Released:		Hexavalent chromium (and its compounds)			
Land:					
Units:		tonnes			
Air:		10.412			
Water:					
Substances Released:		Volatile Organic Compounds (VOCs)			
Land:					
40	4 of 12	W/217.9	65.2	CANADIAN BANK NOTE COMPANY, LIMITED 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			
NPRI #:		0000010631			
Year:		2006			
Latitude:		45.3965			
--Details--					
Units:		tonnes			
Air:		3.068			
Water:					
Substances Released:		MSG#2 - Hydrotreated light distillate			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
Units:		tonnes			
Air:		12.364			
Water:					
Substances Released:		Volatile Organic Compounds (VOCs)			
Land:					
40	5 of 12	W/217.9	65.2	CANADIAN BANK NOTE COMPANY, LIMITED 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
NPRI #: 0000010631 Year: 2007 Latitude: 45.3965					
--Details--					
Units: tonnes Air: 3.068 Water: Substances Released: MSG#2 - Hydrotreated light distillate Land:					
Units: tonnes Air: Water: Substances Released: Sulphuric acid Land:					
Units: tonnes Air: 0 Water: Substances Released: Chromium (and its compounds) Land:					
Units: tonnes Air: 11.031 Water: Substances Released: Volatile Organic Compounds (VOCs) Land:					
40	6 of 12	W/217.9	65.2	CANADIAN BANK NOTE COMPANY, LIMITED 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude: -75.7463 NPRI #: 0000010631 Year: 2008 Latitude: 45.3965					
--Details--					
Units: tonnes Air: Water: Substances Released: Sulphuric acid Land:					
Units: tonnes Air: 0 Water: Substances Released: Chromium (and its compounds) Land:					
Units: tonnes Air: 12.553 Water: Substances Released: Volatile Organic Compounds (VOCs) Land:					
40	7 of 12	W/217.9	65.2	CANADIAN BANK NOTE COMPANY, LIMITED 145 Richmond Road Ottawa ON K1Z1A1	NPRI

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Longitude: NPRI #: Year: Latitude:		-75.7463 0000010631 2009 45.3965			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Chromium (and its compounds)			
Land:					
Units:		tonnes			
Air:		10.891			
Water:					
Substances Released:		Volatile Organic Compounds (VOCs)			
Land:					
40	8 of 12	W/217.9	65.2	CANADIAN BANK NOTE CO. LTD. 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude: NPRI #: Year: Latitude:		-75.7463 0000010631 2010 45.3965			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
Units:		kg			
Air:		4.5			
Water:					
Substances Released:		Hexavalent chromium (and its compounds)			
Land:					
40	9 of 12	W/217.9	65.2	CANADIAN BANK NOTE CO. LTD. 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude: NPRI #: Year: Latitude:		-75.7463 0000010631 2011 45.3965			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Land:					
Units:		kg			
Air:		4.478			
Water:		0			
Substances Released:		Hexavalent chromium (and its compounds)			
Land:		0			
40	10 of 12	W/217.9	65.2	CANADIAN BANK NOTE CO. LTD. 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			
NPRI #:		0000010631			
Year:		2012			
Latitude:		45.3965			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
Units:		kg			
Air:		4.478			
Water:					
Substances Released:		Hexavalent chromium (and its compounds)			
Land:					
40	11 of 12	W/217.9	65.2	CANADIAN BANK NOTE CO. LTD. 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			
NPRI #:		0000010631			
Year:		2013			
Latitude:		45.3965			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
Units:		kg			
Air:		4.478			
Water:					
Substances Released:		Hexavalent chromium (and its compounds)			
Land:					
40	12 of 12	W/217.9	65.2	Canadian Bank Note Co. Ltd. 145 Richmond Road Ottawa ON K1Z1A1	NPRI
Longitude:		-75.7463			
NPRI #:		0000010631			
Year:		2014			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Latitude:		45.3965			
--Details--					
Units:	tonnes				
Air:					
Water:					
Substances Released:	Sulphuric acid				
Land:					
Units:	kg				
Air:	4.478				
Water:					
Substances Released:	Hexavalent chromium (and its compounds)				
Land:					
41	1 of 1	W/240.7	64.7	ON	BORE
Borehole ID:	613050			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	441561			Northing::	5027312
Location Accuracy::				Orig. Ground Elev m::	63.7
Elev. Reliability Note::				DEM Ground Elev m::	64.7
Total Depth m::	8.4			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	JUN-1959			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218393480			Top Depth(m):	0.0
Bottom Depth(m):	0.9			Stratum Desc:	ARTIFICIAL.
Stratum ID:	218393481			Top Depth(m):	0.9
Bottom Depth(m):	2.7			Stratum Desc:	BOULDERS.
Stratum ID:	218393482			Top Depth(m):	2.7
Bottom Depth(m):	5.4			Stratum Desc:	BOULDERS.
Stratum ID:	218393483			Top Depth(m):	5.4
Bottom Depth(m):	5.9			Stratum Desc:	BEDROCK. WEATHERED.
Stratum ID:	218393484			Top Depth(m):	5.9
Bottom Depth(m):	6.5			Stratum Desc:	BEDROCK.
Stratum ID:	218393485			Top Depth(m):	6.5
Bottom Depth(m):	6.6			Stratum Desc:	BEDROCK. FRACTURED.
Stratum ID:	218393486			Top Depth(m):	6.6
Bottom Depth(m):	8.4			Stratum Desc:	BEDROCK. WEATHERED. 0019700500 00050 011 000000120002500900050019 010 00075
42	1 of 2	ENE/243.8	66.6	GUS & JOHN SERVICE STATIONS LTD 24 RICHMOND RD OTTAWA ON K1Y 2X2	EXP
Instance No:	9707077				
Instance ID:					
Instance Type:	FS Facility				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 8/1/1990					
42	2 of 2	ENE/243.8	66.6	GUS & JOHN SERVICE STATIONS LTD 24 RICHMOND RD OTTAWA ON K1Y 2X2	PRT
Location ID: 11055 Type: retail Expiry Date: 1991-07-31 Capacity (L): 0 Licence #: 0050988001					
43	1 of 1	WSW/245.4	68.0	Canadian Bank Note Company Ltd Lot 145 Richmond Road City of Ottawa ON	PTTW
Year: 2001 EBR Registry No.: IA01E1574 Ministry Reference Number: Notice Type: Instrument Instrument Type: OWRA s. 34 - Permit to take water Proposal Date: 11/14/01 Location: City of Ottawa Proponent Address: Canadian Bank Note Company Ltd.145 Richmond Road,Ottawa, Ontario, K1Z 1A1 Notice Date:					

Unplottable Summary

Total: 65 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Wellington St W	Ottawa ON	
CA	City of Ottawa	Wellington St W	Ottawa ON	
CA	City of Ottawa	Wellington St W	Ottawa ON	
CA	City of Ottawa	Wellington Street	Ottawa ON	
CA	Garden of the Provinces Park	Wellington Street	Ottawa ON	
CA		Wellington Street	Ottawa ON	
CA	OTTAWA CITY	WELLINGTON STREET	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	WELLINGTON ST., VORTEX/DIV.CH.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	WELLINGTON ST. COMBINED SEWER	OTTAWA CITY ON	
CA	OTTAWA CITY	WELLINGTON ST. COMBINED SEWER	OTTAWA CITY ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA		Richmond Road	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	
CA	NON-PROFIT HOUSING CORPORATION	RICHMOND RD.NON-PROFIT HOUSING	OTTAWA CITY ON	
CA	Ashcroft Homes - Eastboro Inc.	Ward 2	Ottawa ON	
CA	Claridge Homes (Strandherd) Inc.		Ottawa ON	

CA	Claridge Homes (Cooper St) Inc.		Ottawa ON	
CA	Canadian Tire Real Estate Limited		Ottawa ON	
CA	Canadian Tire Real Estate Limited		Ottawa ON	
CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.		Ottawa ON	
CA	Canadian Tire Real Estate Limited		Ottawa ON	
CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Claridge Homes (Church St.) Inc.		Ottawa ON	
CA	Ottawa-Carleton District School Board		Ottawa ON	
EBR	3223701 Canada Inc.	Petrie's Landing II Lot 33, Concession 1	OTTAWA ON	
ECA	Ashcroft Homes - 108 Richmond Road Inc.	Richmond Road Lots 32 and 33, Concession 1	Ottawa ON	
GEN	IMPERIAL OIL LTD	ESSO PETROLEUM CANADA OTTAWA INTERNATIONAL AIRPORT	OTTAWA ON	M5W 1K3
GEN	Canadian Tire Real Estate Limited	Patricia Avenue	Ottawa ON	
GEN	Canadian Tire Real Estate Limited	Patricia Avenue	Ottawa ON	
PTTW	3223701 Canada Inc.	Petrie's Landing II Lot 33, Concession 1	OTTAWA ON	
RST	CANADIAN TIRE PIT STOP & PROPANE		OTTAWA ON	K2H5Z2
RST	CANADIAN TIRE PIT STOP & PROPANE		OTTAWA ON	K2H 5Z2
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON	
SPL	FRANCIS FUELS	LEMIEAUX FILTRATION PLANT TANK TRUCK (CARGO)	OTTAWA-CARLETON R.M. ON	
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON	
SPL	TEXACO	RICHMOND RD. SERVICE STATION	OTTAWA CITY ON	
SPL	ESSO AVITAT		OTTAWA CITY ON	

SPL	SHELL CANADA PRODUCTS LTD.	SILVER SPRINGS FARM RICHMOND ROAD AT BASELINE BULK PLANT (N.O.S.)	NEPEAN CITY ON
SPL	Louis Bray Construction Limited<UNOFFICIAL>	Wellington St. under the Plaza Bridge.	Ottawa ON
SPL	ESSO AVITAT		OTTAWA CITY ON
SPL	CANADIAN TIRE CORPORATION LTD.	SAWMILL CREEK RETAIL STORE	OTTAWA CITY ON
SPL	City of Ottawa	Richmond Rd. at Lovitt Westbound<UNOFFICIAL>	Ottawa ON
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	SERVICE STATION	NEPEAN CITY ON
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON
SPL	IMPERIAL OIL	TANK TRUCK (CARGO)	NEPEAN CITY ON
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON
WDS	Waste Management of Canada Corporation		Ottawa ON
WDS	Waste Management of Canada Corporation		Ottawa ON
WDS	Waste Management of Canada Corporation		Ottawa ON
WDS	Waste Management of Canada Corporation		Ottawa ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON
WWIS			OTTAWA ON

WWIS

lot 34 con 1

NEPEAN ON

WWIS

OTTAWA ON

Unplottable Report

Site: City of Ottawa
Wellington St W Ottawa ON

Database:
CA

Certificate #: 9444-7DAKHD
Application Year: 2008
Issue Date: 4/1/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Wellington St W Ottawa ON

Database:
CA

Certificate #: 8722-7D3S8L
Application Year: 2008
Issue Date: 3/27/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Wellington St W Ottawa ON

Database:
CA

Certificate #: 9949-7QUP3J
Application Year: 2009
Issue Date: 4/6/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Wellington Street Ottawa ON

Database:
CA

Certificate #: 9625-65WJYS
Application Year: 2005

Issue Date: 2/7/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **Garden of the Provinces Park**
Wellington Street Ottawa ON

Database:
CA

Certificate #: 5387-4SNPYM
Application Year: 01
Issue Date: 3/1/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Corporation of the City of Ottawa
Client Address:: 111 Lisgar St., Heritage Bldg., 1st Fl., N/W Office
Client City:: Ottawa
Client Postal Code:: K2P 2L7
Project Description:: This application is for a Certificate of Approval to install a granulated activated carbon (GAC) Scrubber, induced draft fan and ancillary equipment to draw air from the Garden of the Provinces shaft and treat the odourous exhaust gases prior to release into the environment.
Contaminants::
Emission Control::

Site: **Wellington Street Ottawa ON**

Database:
CA

Certificate #: 6456-4MDJXD
Application Year: 00
Issue Date: 7/25/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Corporation of the City of Ottawa
Client Address:: 111 Sussex Drive, 7th Floor
Client City:: Ottawa
Client Postal Code:: K1N 5A1
Project Description:: Construction of storm sewers on Wellington Street from Clarenton Avenue to Parkdale Avenue and on Wellington Street from Carruthers Avenue to Irving Avenue.
Contaminants::
Emission Control::

Site: **OTTAWA CITY**
WELLINGTON STREET OTTAWA CITY ON

Database:
CA

Certificate #: 3-1102-89-
Application Year: 89
Issue Date: 6/12/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: R.M. OF OTTAWA-CARLETON
WELLINGTON ST., VORTEX/DIV.CH. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0125-97-
Application Year: 97
Issue Date: 4/27/1998
Approval Type: Municipal sewage
Status:
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: R.M. OF OTTAWA-CARLETON
WELLINGTON ST. COMBINED SEWER OTTAWA CITY ON

Database:
CA

Certificate #: 3-0126-97-
Application Year: 97
Issue Date: 4/15/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: OTTAWA CITY
WELLINGTON ST. COMBINED SEWER OTTAWA CITY ON

Database:
CA

Certificate #: 3-0124-97-
Application Year: 97
Issue Date: 3/27/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: City of Ottawa
Richmond Road Ottawa ON

Database:
CA

Certificate #: 6859-5X8K46
Application Year: 2004
Issue Date: 3/23/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::

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

Site: *Richmond Road Ottawa ON* **Database:** *CA*

Certificate #: 7965-5ERRRZ
Application Year: 02
Issue Date: 10/11/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: City of Ottawa
Client Address:: 110 Laurier Avenue West
Client City:: Ottawa
Client Postal Code:: K1P 1J1
Project Description:: This application is for the construction of storm and sanitary sewers and appurtenances on Richmond Road
Contaminants::
Emission Control::

Site: *City of Ottawa
Richmond Road Ottawa ON* **Database:** *CA*

Certificate #: 7893-5NLQJH
Application Year: 2003
Issue Date: 6/18/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *City of Ottawa
Richmond Road Ottawa ON* **Database:** *CA*

Certificate #: 1424-6CXJGA
Application Year: 2005
Issue Date: 6/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *OTTAWA CITY
RICHMOND ROAD OTTAWA CITY ON* **Database:** *CA*

Certificate #: 3-0159-96-
Application Year: 96
Issue Date: 4/1/1996

Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: OTTAWA CITY
RICHMOND ROAD OTTAWA CITY ON

Database:
CA

Certificate #: 3-1088-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: NON-PROFIT HOUSING CORPORATION
RICHMOND RD.NON-PROFIT HOUSING OTTAWA CITY ON

Database:
CA

Certificate #: 7-0925-87-
Application Year: 87
Issue Date: 7/7/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Ashcroft Homes - Eastboro Inc.
Ward 2 Ottawa ON

Database:
CA

Certificate #: 7692-85VRBV
Application Year: 2010
Issue Date: 6/1/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Claridge Homes (Strandherd) Inc.

Database:
CA

Ottawa ON

Certificate #: 7488-6U9S5E
Application Year: 2006
Issue Date: 10/6/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *Claridge Homes (Cooper St) Inc.*
Ottawa ON

Database:
CA

Certificate #: 7666-5SKKLX
Application Year: 2003
Issue Date: 10/23/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *Canadian Tire Real Estate Limited*
Ottawa ON

Database:
CA

Certificate #: 2877-73WH5F
Application Year: 2007
Issue Date: 6/7/2007
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *Canadian Tire Real Estate Limited*
Ottawa ON

Database:
CA

Certificate #: 6332-769QGX
Application Year: 2007
Issue Date: 8/21/2007
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::

Emission Control::

Site: Claridge Homes (Carson) Inc.
Ottawa ON

Database:
CA

Certificate #: 8697-6Z5TCD
Application Year: 2007
Issue Date: 4/17/2007
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::

Site: Ashcroft Homes - Eastboro Inc.
Ottawa ON

Database:
CA

Certificate #: 8786-8BATXA
Application Year: 2010
Issue Date: 11/18/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Canadian Tire Real Estate Limited
Ottawa ON

Database:
CA

Certificate #: 8928-6XKJW9
Application Year: 2007
Issue Date: 2/12/2007
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Claridge Homes (Carson) Inc.
Ottawa ON

Database:
CA

Certificate #: 9611-7PUSMB
Application Year: 2009
Issue Date: 3/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::

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

Site: Claridge Homes (Church St.) Inc.
Ottawa ON

Database:
CA

Certificate #: 7739-5NWLL5
Application Year: 2003
Issue Date: 6/27/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Ottawa-Carleton District School Board
Ottawa ON

Database:
CA

Certificate #: 3668-7ZNLYJ
Application Year: 2010
Issue Date: 2/11/2010
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: 3223701 Canada Inc.
Petrie's Landing II Lot 33, Concession 1 OTTAWA ON

Database:
EBR

Company Name:
Year: 2013
Notice Type: Instrument Proposal
EBR Registry No.: 012-0496
Instrument Type: (OWRA s. 34) - Permit to take water
Proposal Date: November 22, 2013
Ministry Ref. No.: 2600-9DMNQJ
Location: Petrie's Landing II Lot 33, Concession 1 Geographic Township of Cumberland, Ottawa CITY OF OTTAWA
Proponent Address: 98 Lois Street, Gatineau Quebec, Canada J8Y 3R7
Notice Date:

Site: Ashcroft Homes - 108 Richmond Road Inc.
Richmond Road Lots 32 and 33, Concession 1 Ottawa ON

Database:
ECA

Approval No: 7171-9AYQGT
Project Type: Municipal and Private Sewage
Date: 30-AUG-13
Status: Approved
Longitude:

Latitude:
Record Type:
PDF URL:
Full Address: Richmond Road Lots 32 and 33, Concession 1 on Ottawa River, geographic township of Nepean

Site: **IMPERIAL OIL LTD**
ESSO PETROLEUM CANADA OTTAWA INTERNATIONAL AIRPORT OTTAWA ON M5W 1K3

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0000713
Approval Yrs:: 86,87,88,89,90
SIC Code: 4523
SIC Description: AIRCRAFT SEVICING

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: **Canadian Tire Real Estate Limited**
Patricia Avenue Ottawa ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON6852402
Approval Yrs:: 2010
SIC Code: 448199
SIC Description: All Other Clothing Stores

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Site: **Canadian Tire Real Estate Limited**
Patricia Avenue Ottawa ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON6852402
Approval Yrs:: 2009
SIC Code: 448199
SIC Description: All Other Clothing Stores

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Site: **3223701 Canada Inc.**
Petrie's Landing II Lot 33, Concession 1 OTTAWA ON

Database:
PTTW

Year: 2013
EBR Registry No.: 012-0496
Ministry Reference Number: 2600-9DMNQJ
Notice Type: Instrument Proposal
Instrument Type: (OWRA s. 34) - Permit to take water
Proposal Date: November 22, 2013
Location: Petrie's Landing II Lot 33, Concession 1 Geographic Township of Cumberland, Ottawa CITY OF OTTAWA
Proponent Address: 98 Lois Street, Gatineau Quebec, Canada J8Y 3R7

Notice Date:

Site: CANADIAN TIRE PIT STOP & PROPANE
OTTAWA ON K2H5Z2

Database:
[RST](#)

Code: 00921430
Facility: OIL CHANGES & LUBRICATION SERVICE
Description:
List Name:

Site: CANADIAN TIRE PIT STOP & PROPANE
OTTAWA ON K2H 5Z2

Database:
[RST](#)

Code: 00921430
Facility: OIL CHANGES & LUBRICATION SERVICE
Description:
List Name:

Site: ESSO PETROLEUM CANADA
ESSO DISTRIBUTION STATION BULK STATION OTTAWA CITY ON

Database:
[SPL](#)

Ref No: 46877
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 2/21/1991
Incident Reason: ERROR
Incident Summary: ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.
MOE Reported Dt: 2/21/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: FRANCIS FUELS
LEMIEAUX FILTRATION PLANT TANK TRUCK (CARGO) OTTAWA-CARLETON R.M. ON

Database:
[SPL](#)

Ref No: 35061
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 5/22/1990
Incident Reason: ERROR
Incident Summary: FRANCIS FUELS-10 L DIESELFUEL TO GRAVEL.
MOE Reported Dt: 5/22/1990
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20000

Site: Esso Petroleum Canada, A Division of Imperial Oil Limited
Nepean Ottawa ON

Database:
[SPL](#)

Ref No: 0874-78WNRU
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 8 L
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason: Equipment Failure
Incident Summary: Errentom Tanklines - 8L diesel to grd
MOE Reported Dt: 11/13/2007
Environmental Impact: Confirmed
Nature of Impact: soil contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Tank Truck
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: **TEXACO**
RICHMOND RD. SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref No: 14431
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 2/2/1989
Incident Reason: ERROR
Incident Summary:
MOE Reported Dt: 2/2/1989
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **ESSO AVITAT**
OTTAWA CITY ON

Database:
SPL

Ref No: 170215
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 7/14/1999
Incident Reason: NEGLIGENCE (APPARENT)
Incident Summary: ESSO AVITAT: JET A-1 FUELSPILL TO GRD. 180 L MAINTENANCE ERROR CLEANED
MOE Reported Dt: 7/15/1999
Environmental Impact: NOT ANTICIPATED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **SHELL CANADA PRODUCTS LTD.**
SILVER SPRINGS FARM RICHMOND ROAD AT BASELINE BULK PLANT (N.O.S.) NEPEAN CITY ON

Database:
SPL

Ref No: 1486

Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: ABOVE-GROUND TANK LEAK
Incident Dt: 3/21/1988
Incident Reason: EQUIPMENT FAILURE
Incident Summary: SHELL OIL-45 L FUEL OIL TO GROUND--TANK LEAK AT SILVER SPRINGS
MOE Reported Dt: 3/21/1988
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20104

Site: **Louis Bray Construction Limited<UNOFFICIAL>**
Wellington St. under the Plaza Bridge. Ottawa ON

Database:
SPL

Ref No: 0134-7NYKZZ
Contaminant Code:
Contaminant Name: MUD
Contaminant Quantity: 1 ft3
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Dt:
Incident Reason: Equipment Failure
Incident Summary: Louis Bray Const: 1ft³ drilling slurry to Ottawa Locks
MOE Reported Dt: 2/5/2009
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: **ESSO AVITAT**
OTTAWA CITY ON

Database:
SPL

Ref No: 169810
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 7/4/1999
Incident Reason: OVERSTRESS/OVERPRESSURE
Incident Summary: ESSO AVITAT: 5 L JET A1 FUEL SPILL TO GROUND CONTAINED, CLEANED UP
MOE Reported Dt: 7/5/1999
Environmental Impact: NOT ANTICIPATED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **CANADIAN TIRE CORPORATION LTD.**
SAWMILL CREEK RETAIL STORE OTTAWA CITY ON

Database:
SPL

Ref No: 42952
Contaminant Code:
Contaminant Name:

Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 11/2/1990
Incident Reason: OTHER
Incident Summary: CANADIAN TIRE-1000L. ANTIFREEZE TO SAWMILL CREEK:
MOE Reported Dt: 11/2/1990
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **City of Ottawa**
Richmond Rd. at Lovitt Westbound<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No: 3557-6HLVQ9
Contaminant Code:
Contaminant Name: Engine Coolant
Contaminant Quantity:
Incident Cause: Valve / Fitting Leak Or Failure
Incident Dt: 10/28/2005
Incident Reason: Equipment/Vehicles
Incident Summary: OC transit - spill 2L of engine coolant to C/B
MOE Reported Dt: 10/28/2005
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium: Water
SAC Action Class: Land Spills
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: **ESSO PETROLEUM CANADA**
BULK STATION OTTAWA CITY ON

Database:
SPL

Ref No: 155190
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 5/1/1998
Incident Reason: NEGLIGENCE (APPARENT)
Incident Summary: ESSO-156 L DIESEL TO LOT,LOADING ARM NOT IN TRUCKSCOMPARTMENT,PUMP STARTED.
MOE Reported Dt: 5/1/1998
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: **ESSO PETROLEUM CANADA**
SERVICE STATION NEPEAN CITY ON

Database:
SPL

Ref No: 65520
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW

Incident Dt: 12/23/1991
Incident Reason: ERROR
Incident Summary: ESSO/TRW PETROLEUM: 30 L GASOLINE TO GROUND WHEN TANK OVERFILLED
MOE Reported Dt: 12/24/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20104

Site: ESSO PETROLEUM CANADA
TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 59519
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 11/7/1991
Incident Reason: ERROR
Incident Summary: ESSO-3 LITRES DIESEL FUEL TO GRND UNDER LOADING RACK, COUPLING NOT CLOSED
MOE Reported Dt: 11/7/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: IMPERIAL OIL
TANK TRUCK (CARGO) NEPEAN CITY ON

Database:
SPL

Ref No: 35439
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 5/29/1990
Incident Reason: ERROR
Incident Summary: IMPERIAL OIL - 10 L GASO- LINE TO CONCRETE. CLEAN UP COMPLETED.
MOE Reported Dt: 5/29/1990
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20104

Site: ESSO PETROLEUM CANADA
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 47843
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 3/19/1991
Incident Reason: ERROR

Incident Summary: ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L.HEATING OIL ON GROUND
MOE Reported Dt: 3/20/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20101

Site: Waste Management of Canada Corporation
Ottawa ON

Database:
[WDS](#)

Certificate No.: A461002
Issue Date: 8/9/2010
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:
Latitude:
Longitude:

Site: Waste Management of Canada Corporation
Ottawa ON

Database:
[WDS](#)

Certificate No.: A461002
Issue Date: 10/27/2008
Status: Approved
Application Status:
Concession:
Lot:

Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:
Latitude:
Longitude:

Site: Waste Management of Canada Corporation
Ottawa ON

Database:
[WDS](#)

Certificate No.: A461002
Issue Date: 8/12/2010
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):

Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:
Latitude:
Longitude:

Site: Waste Management of Canada Corporation
Ottawa ON

Database:
[WDS](#)

Certificate No.: A461002
Issue Date: 4/5/2011
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:
Latitude:
Longitude:

Site: OTTAWA ON

Database:
[WWIS](#)

Well ID: 1535682
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

-- --
Bore Hole ID: 11316221
DP2BR:
Code OB: --
Code OB Description: No formation data
Open Hole:
Date Completed: 06-JUN-05
Remarks:
Zone:
East 83:
North 83:
UTMRC:
UTMRC Description:
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:

-- --
Annular Space/Abandonment
Sealing Record

-- --
Plug ID: 933274014
Layer: 1
Plug From: 4.17
Plug To: 1.85
Plug Depth UOM: m
 -- --
Plug ID: 933274013
Layer: 2
Plug From: 1.85
Plug To: .16
Plug Depth UOM: m
 -- --
Plug ID: 933274012
Layer: 3
Plug From: .16
Plug To: 0
Plug Depth UOM: m
 -- --

Method of Construction & Well
Use

-- --
Method Construction ID: 961535682
Method Construction Code:
Method Construction:
Other Method Construction:

-- --
Pipe Information

-- --
Pipe ID: 11331076
Casing Number: 1
Comment:
Alt Name:

Hole Diameter

--
Hole ID: 11533767
Diameter: 21
Depth From: 4.17
Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
--
--

Site:

OTTAWA ON

Database:

WWIS

Well ID: 1535686
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

--
Bore Hole ID: 11316225
DP2BR:
Code OB:
Code OB Description: No formation data
Open Hole:
Date Completed: 09-JUN-05
Remarks:
Zone:
East 83:
North 83:
UTMRC:
UTMRC Description:
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:

--
**Annular Space/Abandonment
Sealing Record**

--
Plug ID: 933274026
Layer: 1
Plug From: 4.3
Plug To: 1.8
Plug Depth UOM: m
--
Plug ID: 933274025
Layer: 2
Plug From: 1.8
Plug To: .16
Plug Depth UOM: m
--
Plug ID: 933274024
Layer: 3
Plug From: .16
Plug To: 0
Plug Depth UOM: m

--

Method of Construction & Well Use

--

Method Construction ID: 961535686

Method Construction Code:

Method Construction:

Other Method Construction:

--

Pipe Information

--

Pipe ID: 11331080

Casing Number: 1

Comment:

Alt Name:

Water Details

--

Water ID: 934062900

Layer: 1

Kind Code: 1

Kind: FRESH

Water Found Depth: 1.6

Water Found Depth UOM: m

--

Hole Diameter

--

Hole ID: 11533771

Diameter: 21

Depth From: 4.3

Depth To: 0

Hole Depth UOM: m

Hole Diameter UOM: cm

--

--

Site: OTTAWA ON

Database:
WWIS

Well ID: 1535677

Construction Date::

Primary Water Use:: Not Used

Sec. Water Use::

Final Well Status:: Abandoned-Other

Specific Capacity::

Municipality: OTTAWA CITY

County: OTTAWA-CARLETON

Lot:

Concession:

Concession Name:

Easting NAD83::

Northing NAD83::

Zone::

UTM Reliability::

Bore Hole Information

--

Bore Hole ID: 11316216

DP2BR:

Code OB: --

Code OB Description: No formation data

Open Hole:

Date Completed: 08-JUN-05

Remarks:

Zone:

East 83:

North 83:

UTMRC:

UTMRC Description:

Location Method: na

Org CS:

Elevation:

Elevrc:

Elevrc Description:

Location Source Date:

Source Revision Comment:

Improvement Location Source:

Improvement Location Method:
Supplier Comment:
Spatial Status:
 --
Annular Space/Abandonment
Sealing Record
 --
Plug ID: 933273997
Layer: 1
Plug From: 4.2
Plug To: 1.8
Plug Depth UOM: m
 --
Plug ID: 933273998
Layer: 2
Plug From: 1.8
Plug To: .15
Plug Depth UOM: m
 --
Plug ID: 933273999
Layer: 3
Plug From: .15
Plug To: 0
Plug Depth UOM: m
 --
Method of Construction & Well
Use
 --
Method Construction ID: 961535677
Method Construction Code:
Method Construction:
Other Method Construction:
 --
Pipe Information
 --
Pipe ID: 11331071
Casing Number: 1
Comment:
Alt Name:
Water Details
 --
Water ID: 934062892
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: .88
Water Found Depth UOM: m
 --
Hole Diameter
 --
Hole ID: 11533762
Diameter: 21
Depth From: 4.2
Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
 --
 --

Site:
 OTTAWA ON

Database:
 WWIS

Well ID: 1535683
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY

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

County: OTTAWA-CARLETON

Bore Hole Information

--
Bore Hole ID: 11316222
DP2BR:
Code OB: --
Code OB Description: No formation data
Open Hole:
Date Completed: 06-JUN-05
Remarks:
Zone:
East 83:
North 83:
UTMRC:
UTMRC Description:
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:

--
**Annular Space/Abandonment
Sealing Record**

--
Plug ID: 933274017
Layer: 1
Plug From: 4.23
Plug To: 1.8
Plug Depth UOM: m
--
Plug ID: 933274016
Layer: 2
Plug From: 1.8
Plug To: .15
Plug Depth UOM: m
--
Plug ID: 933274015
Layer: 3
Plug From: .15
Plug To: 0
Plug Depth UOM: m
--

**Method of Construction & Well
Use**

--
Method Construction ID: 961535683
Method Construction Code:
Method Construction:
Other Method Construction:

--
Pipe Information

--
Pipe ID: 11331077
Casing Number: 1
Comment:
Alt Name:
Hole Diameter
--
Hole ID: 11533768
Diameter: 21
Depth From: 4.23
Depth To: 0
Hole Depth UOM: m

Hole Diameter UOM: cm
--
--

Site:
OTTAWA ON

Database:
[WWIS](#)

Well ID: 1535681
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

--
Bore Hole ID: 11316220
DP2BR:
Code OB:
Code OB Description: No formation data
Open Hole:
Date Completed: 07-JUN-05
Remarks:
Zone:
East 83:
North 83:
UTMRC:
UTMRC Description:
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
--
Annular Space/Abandonment
Sealing Record
--
Plug ID: 933274009
Layer: 1
Plug From: 4.34
Plug To: 1.7
Plug Depth UOM: m
--
Plug ID: 933274010
Layer: 2
Plug From: 1.7
Plug To: .16
Plug Depth UOM: m
--
Plug ID: 933274011
Layer: 3
Plug From: .16
Plug To: 0
Plug Depth UOM: m
--
Method of Construction & Well
Use
--
Method Construction ID: 961535681
Method Construction Code:
Method Construction:

Other Method Construction:

--
Pipe Information
--
Pipe ID: 11331075
Casing Number: 1
Comment:
Alt Name:
Water Details
--
Water ID: 934062896
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 1.4
Water Found Depth UOM: m
--
Hole Diameter
--
Hole ID: 11533766
Diameter: 21
Depth From: 4.34
Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
--
--

Site:

OTTAWA ON

Database:

WWIS

Well ID: 1535679
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

--
Bore Hole ID: 11316218
DP2BR:
Code OB: --
Code OB Description: No formation data
Open Hole:
Date Completed: 07-JUN-05
Remarks:
Zone:
East 83:
North 83:
UTMRC:
UTMRC Description:
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
--
Annular Space/Abandonment
Sealing Record
--

Plug ID: 933274005
Layer: 1
Plug From: 1.76
Plug To: 1.15
Plug Depth UOM: m
 --
Plug ID: 933274004
Layer: 2
Plug From: 1.15
Plug To: .15
Plug Depth UOM: m
 --
Plug ID: 933274003
Layer: 3
Plug From: .15
Plug To: 0
Plug Depth UOM: m
 --
Method of Construction & Well Use
 --
Method Construction ID: 961535679
Method Construction Code:
Method Construction:
Other Method Construction:
 --
Pipe Information
 --
Pipe ID: 11331073
Casing Number: 1
Comment:
Alt Name:
Water Details
 --
Water ID: 934062894
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 1.4
Water Found Depth UOM: m
 --
Hole Diameter
 --
Hole ID: 11533764
Diameter: 21
Depth From: 1.76
Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
 --
 --

Site:
 OTTAWA ON

Database:
 WWIS

Well ID: 1535678
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

--
Bore Hole ID: 11316217
DP2BR:
Code OB: --

Code OB Description:	No formation data
Open Hole:	
Date Completed:	08-JUN-05
Remarks:	
Zone:	
East 83:	
North 83:	
UTMRC:	
UTMRC Description:	
Location Method:	na
Org CS:	
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	--
Annular Space/Abandonment	
Sealing Record	
Plug ID:	933274000
Layer:	1
Plug From:	4.3
Plug To:	1.7
Plug Depth UOM:	m
Plug ID:	933274001
Layer:	2
Plug From:	1.7
Plug To:	.16
Plug Depth UOM:	m
Plug ID:	933274002
Layer:	3
Plug From:	.16
Plug To:	0
Plug Depth UOM:	m
Method of Construction & Well	
Use	
Method Construction ID:	961535678
Method Construction Code:	
Method Construction:	
Other Method Construction:	
Pipe Information	
Pipe ID:	11331072
Casing Number:	1
Comment:	
Alt Name:	
Water Details	
Water ID:	934062893
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	.79
Water Found Depth UOM:	m
Hole Diameter	
Hole ID:	11533763
Diameter:	21
Depth From:	4.3

Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
-- --
-- --

Site:
OTTAWA ON

Database:
[WWIS](#)

Well ID: 1535684
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

--
Bore Hole ID: 11316223
DP2BR:
Code OB: --
Code OB Description: No formation data
Open Hole:
Date Completed: 06-JUN-05
Remarks:
Zone:
East 83:
North 83:
UTMRC:
UTMRC Description:
Location Method: na
Org CS:
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:

--
Annular Space/Abandonment
Sealing Record

--
Plug ID: 933274018
Layer: 1
Plug From: 4.25
Plug To: 1.85
Plug Depth UOM: m
--
Plug ID: 933274020
Layer: 2
Plug From: 1.85
Plug To: .15
Plug Depth UOM: m
--
Plug ID: 933274019
Layer: 3
Plug From: .15
Plug To: 0
Plug Depth UOM: m
--

Method of Construction & Well
Use

--
Method Construction ID: 961535684

Method Construction Code:
Method Construction:
Other Method Construction:
 --
Pipe Information
 --
Pipe ID: 11331078
Casing Number: 1
Comment:
Alt Name:
Water Details
 --
Water ID: 934062898
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 2.18
Water Found Depth UOM: m
 --
Hole Diameter
 --
Hole ID: 11533769
Diameter: 21
Depth From: 4.25
Depth To: 0
Hole Depth UOM: m
Hole Diameter UOM: cm
 --
 --

Site:
 lot 34 con 1 NEPEAN ON

Database:
 WWIS

Well ID: 7105860
Construction Date::
Primary Water Use::
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: NEPEAN TOWNSHIP
County: OTTAWA-CARLETON

Lot: 034
Concession: 01
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
 --
Bore Hole ID: 1001605369
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 29-APR-08
Remarks:
Zone: 18
East 83: 111233
North 83: 5912482
UTMRC: 9
UTMRC Description: unknown UTM
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
 --
Overburden and Bedrock

Materials Interval
 -- --
Formation ID: 1001687855
Layer: 1
General Color:
Most Common Material:
Other Materials:
Other Materials:
Formation Top Depth: 0
Formation End Depth:
Formation End Depth UOM: m
 -- --
Annular Space/Abandonment
Sealing Record
 -- --
Plug ID: 1001687856
Layer: 1
Plug From: 7.01
Plug To: 0
Plug Depth UOM: m
 -- --
Plug ID: 1001687857
Layer: 2
Plug From:
Plug To:
Plug Depth UOM: m
 -- --
Method of Construction & Well
Use
 -- --
Method Construction ID: 1001687860
Method Construction Code:
Method Construction:
Other Method Construction:
 -- --
Pipe Information
 -- --
Pipe ID: 1001687854
Casing Number: 0
Comment:
Alt Name:
 -- --
Construction Record - Screen
 -- --
Screen ID: 1001687859
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:
 -- --
 -- --

Site:
 OTTAWA ON

Database:
 WWIS

Well ID: 1535680
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: OTTAWA CITY
County: OTTAWA-CARLETON

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

Bore Hole Information

--	--
Bore Hole ID:	11316219
DP2BR:	
Code OB:	--
Code OB Description:	No formation data
Open Hole:	
Date Completed:	07-JUN-05
Remarks:	
Zone:	
East 83:	
North 83:	
UTMRC:	
UTMRC Description:	
Location Method:	na
Org CS:	
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933274006
Layer:	1
Plug From:	4.29
Plug To:	1.8
Plug Depth UOM:	m
--	--
Plug ID:	933274008
Layer:	2
Plug From:	1.8
Plug To:	.15
Plug Depth UOM:	m
--	--
Plug ID:	933274007
Layer:	3
Plug From:	.15
Plug To:	0
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	961535680
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11331074
Casing Number:	1
Comment:	
Alt Name:	
Water Details	
--	--
Water ID:	934062895
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	1.9
Water Found Depth UOM:	m
--	--
Hole Diameter	

--	--
Hole ID:	11533765
Diameter:	21
Depth From:	4.29
Depth To:	0
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

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 2016

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999 - Oct 2016

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial

[CA](#)

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial

CFOT

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

Government Publication Date: Feb 28, 2017

Chemical Register:

Private

CHEM

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

Government Publication Date: 1999 - Oct 2016

Compressed Natural Gas Stations:

Private

CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial

CONV

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

Government Publication Date: 1989-Mar 2017

Certificates of Property Use:

Provincial

CPU

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

Government Publication Date: 1994-Apr 2017

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-Aug 2015

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-Mar 2017

Environmental Registry:

Provincial

EBR

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

Government Publication Date: 1994-Apr 2017

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-Mar 2017

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-Aug 2016

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

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include 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.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities:

Provincial

EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: June 2000-Aug 2016

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-Sept 2003

Fuel Storage Tank:

Provincial

FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents:

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008 - Dec 2016

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

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

Federal

NPCB

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

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

Federal

NPRI

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

Government Publication Date: 1993-2014**Oil and Gas Wells:**

Private

OGW

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

Government Publication Date: 1988-Jan 2017**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Oct 2016**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

Provincial

ORD

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

Government Publication Date: 1994-Apr 2017**Canadian Pulp and Paper:**

Private

PAP

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

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

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents:

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Apr 2017

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: 1986-2013

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-Apr 2017

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999 - Oct 2016

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Dec 2016

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: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERI'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: 1970-Mar 2017

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 ERI's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Jun 30, 2016

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.

exp Services Inc.

Mr. Mahendra Vaidya
Phase One Environmental Site Assessment
89 Richmond Road
Ottawa, Ontario
OTT-00240343-A0
June 21, 2017

Appendix E: Site Photographs



Photograph No. 1

View of site building looking north



Photograph No. 2

A view of the rear of the site building looking south



Photograph No. 3

View of the easternmost property boundary and adjacent property



Photograph No. 4

View along western property boundary and adjacent property



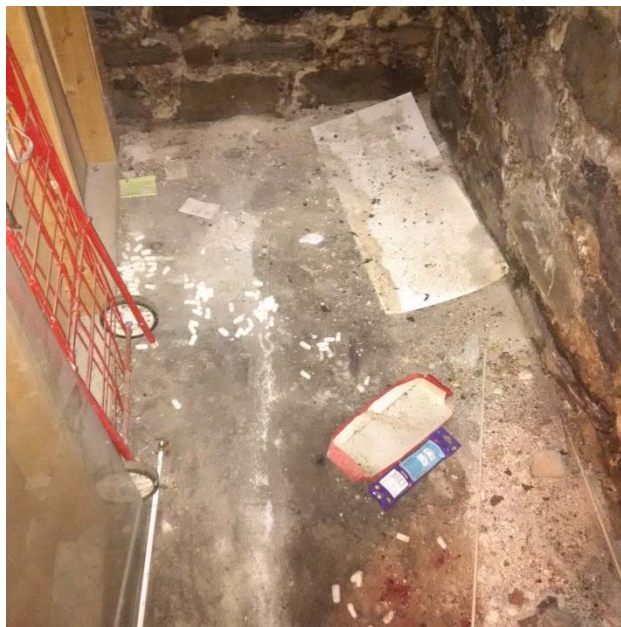
Photograph No. 5

View of previous AST fill pipe at northwestern corner of site building



Photograph No. 6

View of natural gas furnace located in the basement of the building



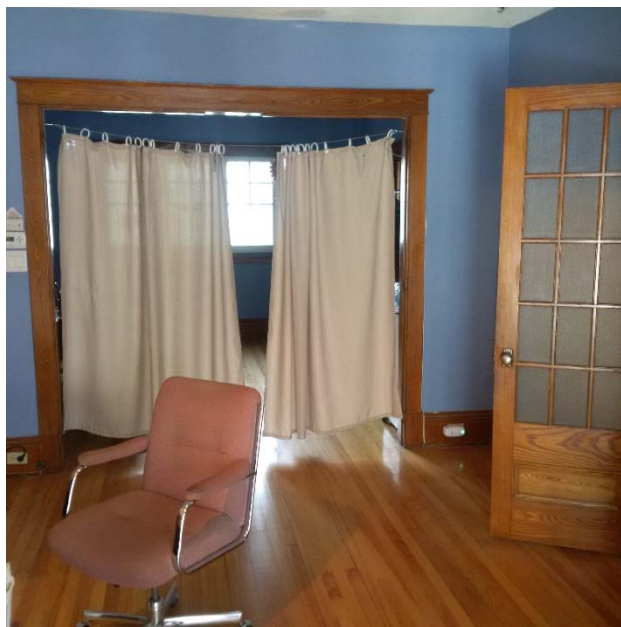
Photograph No. 7

View of previous location of furnace oil tank in the basement (no visible staining)



Photograph No. 8

View of previous fill/vent pipes in the basement of the building



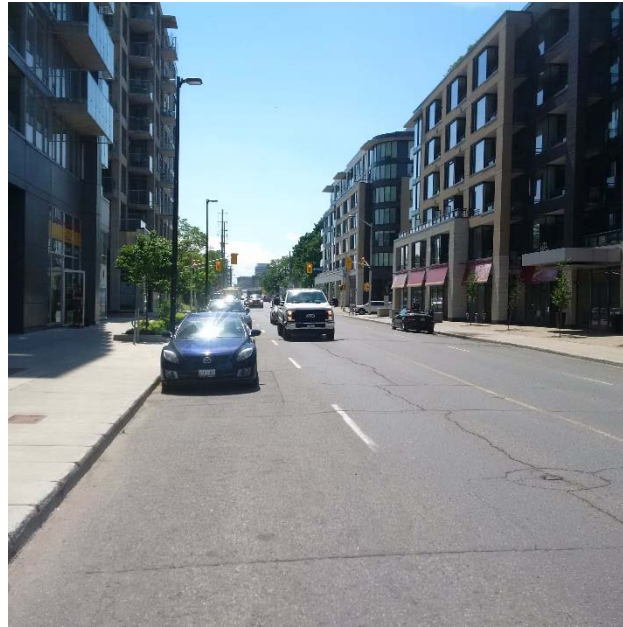
Photograph No. 9

View of typical interior construction on the ground floor



Photograph No. 10

View of alternative entrance on east side of site building



Photograph No. 11

View of surrounding properties to the west along Richmond Road