



Phase One Environmental Site Assessment 229-231, 241-247 Beechwood Avenue, Ottawa, Ontario

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Smart Living Properties
Phase One Environmental Site Assessment
229-231, 241-247 Beechwood Avenue, Ottawa, Ontario
OTT-0023820-C0
July 29, 2020

Legal Notification

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Executive Summary

EXP Services Inc. (EXP) was retained by Smart Living Properties to complete a Phase One Environmental Site Assessment (ESA) of the property located at 229-231 and 241-247 Beechwood Avenue in Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property consisted of two land parcels that were used for residential purposes.

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, and in accordance with generally accepted professional practices.

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that the report will be used to support a site plan application.

The Site consists of two land parcels: the two (2) properties located at 229/231 Beechwood Avenue (Parcel A) and the three (3) properties located at 241/245/247 Beechwood Avenue (Parcel B), Ottawa, Ontario. Both parcels are located on the western side of Beechwood Avenue between Green Avenue and Corona Avenue.

Parcel A is located 15 metres (m) to the south of Parcel B. Parcel A is located to the north and Parcel B is located to the south of a City-owned laneway (previously Carsdale Avenue), which intersects the two parcels.

Parcel B is currently developed as three (3) 2-storey residential buildings with three (3) storage sheds in the western quadrant, mature trees and an asphalt driveway/parking area that is shared and located between the dwellings at 245 and 247 Beechwood Ave. There is a small asphalt parking area to the south serving 241 Beechwood Ave., which connects to the City-owned laneway that intersects the two Parcels. Parcel B is square in shape, covering an area of 0.109 hectares (0.27 acres).

There is no waterbody on or within 100 m of the Phase One property. The closest waterbodies are located 750 m to the southwest of the Parcel A (Rideau River) and 1.6 km east of Parcel A (Ottawa River). The local topography was observed slope downwards towards the east (Beechwood Avenue) with regional topography sloping toward the southeast.

Regional groundwater flow direction is inferred to be in the southwestern direction towards the Rideau River (approximately 750m from the Site). The approximate Universal Transverse Mercator (UTM) coordinates for Parcel A centroid is NAD83, Zone 18, 447536 m E, 5032436 m N and 447544 m E, 5032484 m N for Parcel B. 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.

Based on the results of a Phase One ESA conducted in 2017, a Phase Two ESA was conducted. That investigation addressed the APECs identified in the 2017 Phase One report. The soil and groundwater samples taken as part of the Phase Two ESA met the MECP Table 3 site condition standards. No additional APECs were identified in 2020. EXP recommended that groundwater samples be taken from the existing monitoring wells on the Phase One property to confirm the groundwater quality.

Groundwater samples from monitoring wells MW1, MW3 and MW4 were submitted for analysis of PHC and VOC. The results of the groundwater sampling met the MECP Table 3 SCS. EXP does not recommend any additional environmental work at the Phase One property.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

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

1.0 Introduction

EXP Services Inc. (EXP) was retained by Smart Living Properties to complete a Phase One Environmental Site Assessment (ESA) of the property located 229-231 Beechwood Avenue (Parcel A), and 241-247 Beechwood Avenue (Parcel B) in Ottawa, Ontario hereinafter referred to as the 'Site'. At the time of the investigation, the Phase One property consisted of residential houses.

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, 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 10 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.

1.1 Objective

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that the report will be used to support a site plan application.

The current use of the property is residential and the proposed use is residential buildings. 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 Phase One property consists of two (2) parcels: the two (2) properties located at 229/231 Beechwood Avenue (Parcel A) and the three (3) properties located at 241/245/247 Beechwood Avenue (Parcel B), Ottawa, Ontario. Both parcels are located on the western side of Beechwood Avenue between Green Avenue and Corona Avenue. Parcel A is located 15 metres (m) to the south of Parcel B. Parcel A is located to the north and Parcel B is located to the south of a City-owned laneway (previously Carsdale Avenue), which intersects the two parcels. The following describes each of Site parcels:

Parcel A:

- 229 Beechwood Avenue: City of Ottawa PIN's are 042260120 and 042260121 and legally described as Plan M30 Lot 10 to 11 PT Lane and RP 4R5284; Part 2, City of Ottawa; and,
- 231 Beechwood Avenue: City of Ottawa PIN's are 042260122 and 042260123 and legally described as Plan M30 Lot 12 PT Lane and RP 4R5284; Part 1, City of Ottawa.

At the time of the investigation, Parcel A was developed as two (2) 2-storey residential buildings with three (3) storage sheds (two sheds present in the western quadrant and one shed present in the northern quadrant of Parcel A), mature trees, and two (2) asphalt driveways/parking areas. One parking area serving 229 Beechwood Avenue is located to the south of the dwelling and there is a small parking area to the north serving 231 Beechwood Avenue, which connects to the laneway that intersects the two Parcels. Parcel A is square in shape, covering an area of 0.105 hectares (0.26 acres).

Parcel B:

- 241 Beechwood Avenue: City of Ottawa PIN's are 042260136 and 042260166 and legally described as Plan M30 Lot 24 RP4R1168; Part 3, City of Ottawa;

- 245 Beechwood Avenue: City of Ottawa PIN's are 042260137 and 042260167 and legally described as Plan M30 Lot 25 RP 4R1168; Part 4, City of Ottawa; and,
- 247 Beechwood Avenue: City of Ottawa PIN's are 042260138 and 042260168 and legally described as Plan M30 Lot 26 RP 4R1168; Part 5, City of Ottawa.

Parcel B is currently developed as three (3) 2-storey residential buildings with three (3) storage sheds in the western quadrant, mature trees and an asphalt driveway/parking area that is shared and located between the dwellings at 245 and 247 Beechwood Ave. There is a small asphalt parking area to the south serving 241 Beechwood Ave., which connects to the City-owned laneway that intersects the two parcels. Parcel B is square in shape, covering an area of 0.109 hectares (0.27 acres).

Both parcels are municipally serviced for water and sewers and are both neighboured by residential to the north, south, and west and commercial followed by residential to the east.

There is no waterbody on or within 100 m of the Phase One property. The closest waterbodies are located 750 m to the southwest of the Parcel A (Rideau River) and 1.6 km east of Parcel A (Ottawa River). The local topography was observed slope downwards towards the east (Beechwood Avenue) with regional topography sloping toward the southeast.

Regional groundwater flow direction is inferred to be in the southwestern direction towards the Rideau River (approximately 750m from the property). The approximate Universal Transverse Mercator (UTM) coordinates for Parcel A centroid is NAD83, Zone 18, 447536 m E, 5032436 m N and 447544 m E, 5032484 m N for Parcel B. 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.

Authorization to proceed with this investigation was provided by Jeremy Silburt on behalf of Smart Living Properties. Contact information for Mr. Silburt is 226 Argyle Avenue, Ottawa, Ontario, K2P 1B9.

The Phase One property site location and site layout are shown in Appendix B on Figure 1 and Figure 2, respectively.

2.0 Scope of Investigation

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

- Reviewing the historical occupancy of the Phase One property through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Reviewing municipal and provincial records to determine whether activities that have occurred within the Phase One study area pose a potential environmental concern to the Phase One property;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Phase One property and surrounding properties within a 250-metre radius of the Phase One property;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Phase One property;
- Obtaining a search of land title and assessment rolls for the Phase One property;
- Conducting at least one reconnaissance of the Phase One property and surrounding properties within a 250-metre radius of the Phase One property in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated representative(s) as a resource for current and historical information;
- Reviewing the current use of the Phase One property 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 Phase One property; 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 Leah Wells, E.I.T., and Mark McCalla, B.Sc., P.Geo. An outline of their qualifications is provided in Appendix A.

3.0 Records Review

3.1 Phase One ESA Study Area Determination

The Phase One study area comprises the Phase One property and surrounding properties wholly or partly within 250 metres of the property boundaries. The 250-metre radius was used to gain an understanding of the current and past uses of surrounding properties to determine whether such uses may have contributed to subsurface environmental impacts at the Phase One property.

Surrounding properties consist of mainly residential including single-family homes, with townhomes to the adjacent west. There are commercial buildings located along Beechwood Ave to the northeast and southeast. It is noted that the Rideau River is located approximately 750 m of the site.

The Phase One study area is shown on Figure 3 in Appendix B. A copy of the property survey is presented in Appendix G.

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 Parcel A has been developed as residential since the early 1900s and Parcel B was developed as residential prior to 1958.

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 1958 was reviewed.

The FIP for 1958 shows that the Site was developed as residential, there is no indication in the fire insurance plans that storage tanks were present at the site. Neighbouring properties were also observed in the fire insurance plans. There is a gasoline service station with two (2) underground gasoline storage tanks located 25 m northeast of Parcel B at 260 Beechwood Avenue. There is a gasoline service station, autobody shop and automotive service located 25 m east of Parcels A and B at 220-222 Beechwood Avenue (no tanks shown). There is a third gasoline service station located 120 m to the south of Parcel A at 188 Beechwood Avenue with three (3) underground gasoline storage tanks. The retail fuel outlets (RFO) are potentially contaminating activities.

Copies of the FIP are provided in Appendix B.

3.4 Chain of Title

A chain of title was requested from Read Abstracts Inc. for the subject site as part of the Phase One ESA conducted in 2017. Based on the information gathered from the title search, the following was found:

Parcel A:

- 229 Beechwood Ave.: The last registered owner is Marion Janveau. Ms. Janveau and Raymond Janveau have owned the property since 1974. Prior to that, it appears that the ownership / deeds of the land changed sixteen (16) times dating back to 1874 and was limited to private ownership.
- 231 Beechwood Ave.: The last registered owner is Stephane Guertin. Mr. Guertin and Diane Fortin have owned the property since 2008. Prior to that, it appears that the ownership/deeds of the land changed thirteen (13) times dating back to 1874 and was limited to private ownership.

Parcel B:

- 241 Beechwood Ave.: The last registered owner is Mr. Mark Gwozdecky and Ms. Wendy Hadwen. Mr. Gwozdecky and Ms. Hadwen have owned the property since 2005. Prior to that, it appears that the ownership/deeds of the land changed nine (9) times dating back to 1874 and was limited to private ownership.
- 245 Beechwood Ave.: The last registered owner is Edmund Brennan and Clara Broten. Mr. Brennan and Ms. Broten have owned the property since 1992. Prior to that, it appears that the ownership / deeds of the land changed nine (9) times dating back to 1874 and was limited to private ownership.
- 247 Beechwood Ave.: The last registered owner is Donald Boivert. Mr. Boivert has owned the property since 1966. Prior to that, it appears that the ownership / deeds of the land changed twelve (12) times dating back to 1874 and was limited to private ownership.

No notable environmental concerns were identified based on the title search for the above properties. Refer to Appendix C for the title search.

The chain of title documentation is provided in Appendix B.

3.5 Environmental Reports

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

1. EXP Services, *Phase One Environmental Site Assessment 229-231, 241-247 Beechwood Avenue, Ottawa, Ontario*. May 2017.

The Phase One ESA investigation included a review of past, present, and adjacent land uses, correspondence with the provincial ministry of environment (MOE), and a review of aerial photographs, topographic maps, fire insurance records, and municipal directories available for the Phase One property. A site visit was also conducted to comment on site characteristics and to investigate the potential for on- and off-site contamination sources.

The Phase One ESA conducted at the site identified the following APECS:

Area of Potential Environmental Concern (APEC)	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
1. Furnace oil spill at 241 Beechwood Ave. (1991)	Not applicable	On-Site (Parcel B)	Soil and groundwater: petroleum hydrocarbons (PHC)
2. Former Off-Site Retail Fuel Outlet (222 Beechwood Ave.) present between the 1950s and 2000s. Also operated as an automotive garage.	#27 – Garages and Maintenance #28 – Gasoline and Associated Products Storage in Fixed Tanks	25 m east of Parcels A & B	Soil and groundwater: PHC and benzene, toluene, ethylbenzene, xylene (BTEX)
3. Former Off-Site Retail Fuel Outlet (260 Beechwood Ave.) operated between the 1950s and 1970s	#28 – Gasoline and Associated Products Storage in Fixed Tanks	25 m northeast of Parcel B	Soil and groundwater: PHC and BTEX
4. Former Off-Site Retail Fuel Outlet (266 Beechwood Ave.) operated between the 1950s and 1970s	#28 – Gasoline and Associated Products Storage in Fixed Tanks	70 m northeast of Parcel B	Soil and groundwater: PHC and BTEX

Area of Potential Environmental Concern (APEC)	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
5. Former Off-Site Industrial Garage & Repair Shop (25 Carsdale Ave. operated between 1960s and 2000s.	#27 – Garages and Maintenance	Adjacent west of Parcels A & B	Soil and groundwater: PHC and BTEX
6. Furnace oil spill at 249 Beechwood Ave. (2002)	Not applicable	Adjacent north of Parcel B	Soil and groundwater: PHC

A Phase Two ESA was recommended to address the APECs identified in the Phase One ESA. As part of the Phase Two investigation, EXP advanced two (2) to three (3) boreholes per Parcel and install monitoring wells to collect groundwater samples for PHC and BTEX analyses.

The intent of the proposed boreholes on Parcel A was to address the potential for soil/groundwater contamination mainly due to the former off-site RFO located at 222 Beechwood Avenue and the former off-site industrial garage located at 25 Carsdale Avenue. These boreholes also addressed the potential contamination from the previous on-site oil spill at 241 Beechwood Avenue.

The intent of the boreholes on Parcel B was to address the potential for contamination due to the former off-site RFO's located at 260 and 266 Beechwood Avenue and the former off-site industrial garage located at 25 Carsdale Avenue. The boreholes also assessed for potential contaminant migration from the previous off-site oil spill at 249 Beechwood Avenue.

2. EXP Services, *Phase Two Environmental Site Assessment, 229-231, 241-247 Beechwood Avenue, Ottawa, Ontario.* August 2017.

Based on the results of the Phase One ESA, a Phase Two ESA was conducted by EXP to address the APECs. The Phase Two ESA consisted of advancing a total of six (6) boreholes at the site. Soil and groundwater samples were collected and submitted for analysis of metals, BTEX, and/or VOCs. For assessment purposes Site Condition Standards (SCS) Table 7 for residential use at a site with coarse textured soil and shallow soil conditions were selected.

Below the topsoil in Borehole Nos. 2, 5 and 6 and below asphaltic concrete in the remaining boreholes, fill was encountered to 0.8 m to 2.4 m depth. The fill consisted of sand and gravel to silty sand containing crusher run limestone, debris of bricks, silty clay layers/pockets, topsoil, organic matter, roots, etc. The topsoil in Borehole No. 3 was underlain by brown fine sand with some silt, which extended to 1.5 m depth. The sand in Borehole No. 3 was underlain by till which extended to refusal depth of 3 m. The sand till contained some gravel, some silt and trace clay and occasional cobbles and boulders. No odours or visual indications of impact were observed in the native material. Auger/spoon refusals were encountered at 0.8 m to 3 m depth below ground surface.

Groundwater was encountered at a depth of 0.99 mbgs in to 2.82 mbgs. No petroleum sheens were observed in the monitoring wells during the sampling event. Based on the groundwater level measurements, the groundwater flow in the area of the boreholes was to the southwest.

The concentrations of PHC and VOC measured in the four (4) analysed soil samples were either less than the laboratory detection limit and or the MECP 2011 Table 7 SCS, with the exception of PHC F3 in the sample collected from MW17-1 at a depth of 0.7 m to 1.35 m. Three (3) additional shallow boreholes were drilled within 5 m of MW17-1 to delineate the PHC impact to soil. The three (3) submitted soil samples had concentrations of PHC that were less than the MECP Table 7 SCS and therefore, the area of PHC impacted soil is limited to a small area around MW17-1. The analyzed parameters in the groundwater samples were either less the laboratory detection limit or less than the 2011 MECP Table 7 SCS. No further environmental work was recommended.

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

1. Trow Associate Inc. (now Exp Service Inc.), *Oil Spill, 249/251/253 Beechwood Avenue, Ottawa*. November 2002.

Following a heating oil spill caused by a leaking fuel line in 2002 beneath the residence located at 249 Beechwood Avenue (adjacent north of Parcel B), heating oil had also been detected in the sump at the neighbouring residence to the north (251/253 Beechwood Avenue – 20 m north of Parcel B). Subsequent investigations revealed that substantial quantities of oil were present in the soil beneath the residence at 249 Beechwood Avenue and in the sump at 251 Beechwood Avenue. An oil recovery/groundwater treatment system was installed in the sump at 251 Beechwood Avenue to control the migration of the oil and to prevent any further loss of product to the municipal sewer system. Surface investigations were conducted to define the extent and nature of the petroleum impacts. Seven (7) coreholes were constructed in the basement of 251-253 Beechwood Avenue. Analyzed soil samples were shown to exceed the applicable MECP criteria for Total Petroleum Hydrocarbons (TPH). The water table was noted immediately under the slab in three (3) coreholes and free petroleum product was noted in one (1) corehole. Six boreholes were constructed at 249 Beechwood Avenue and monitoring wells were installed in three (3) boreholes. Analyzed soil samples were shown to exceed the applicable MECP criteria for TPH.

Remediation was conducted at both residences and was considered successful at both 249 Beechwood Avenue and 251/253 Beechwood Avenue. The soil and groundwater at both properties met the applicable MECP criteria with the exception of a small pocket of soil located beneath the foundation footing in the northwest corner of 251/253 Beechwood Avenue.

2. Trow Associate Inc. (now Exp Service Inc.), *Phase I & II Environmental Site Assessment, 266 Beechwood Avenue, Ottawa, Ontario*. June 2004.

The Phase One ESA identified a previous retail fuel outlet (RFO) located at the 266 Beechwood Avenue site (operated between the 1950s to 1970s) and a gas station to the immediate west of the subject site (operated between the 1950s and 1970s) located at 260 Beechwood Avenue. The historic presence of an on-site and off-site RFO factors were identified as potential environmental concerns and a Phase II was recommended.

Four (4) boreholes, three (3) of which were installed with monitoring wells were installed as part of the Phase II ESA. Soil on the subject site predominantly consisted of silty clay/clayey silt with occasional sand seams to an average depth of approximately 3 metres below ground surfaces (mbgs), which is then overlain by brown shale. Groundwater was encountered at depths ranging from 2.4 to 2.7 mbgs. No obvious indications of hydrocarbon impact were observed in the soil or groundwater samples collected. No exceedances in soil or groundwater for BTEX and TPH were reported with respect to the applicable MECP criteria.

3.6 Environmental Source Information

Information pertaining to the Phase One property was obtained by reviewing documents that are available to the public through municipal and provincial sources. EXP did not identify the need to contact any federal agencies.

Written responses from regulatory agencies and copies of documents obtained via searches are provided in Appendix C.

3.6.1 Ontario Ministry of the Environment, Conservation and Parks Records

On July 17, 2020, records pertaining to the site were requested from the Ministry of the Environment, Conservation and Parks (MECP) through the *Freedom of Information and Protection of Privacy Act* (FOI). To date, no response has been received. If environmentally significant information is obtained from the MECP search, it will be provided as an addendum to this report.

3.6.2 Hazardous Land Use Index (HLUI)

A response was received from the City of Ottawa March 27, 2017 as part of the Phase One ESA conducted by EXP in 2017. Nine entries located within 50 m of Parcel A were reviewed. This comprehensive search included Parcel B. The search identified the following:

Location	Proximity to the Phase One Property	Description	Environmental Concern to Phase One Property (Yes/No) & Rationale
25 Carsdale Avenue	Adjacent west of parcels A and B	Former motor vehicle garage and wholesale operated between 1960 and 1994.	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
222 Beechwood Avenue	25 m east of Parcels A and B	Former RFO, operated between 1956 and 2005.	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
236 Beechwood Avenue (now 222 Beechwood Avenue)	25 m east of Parcels A and B	Former motor vehicle repair shop operated between 1956 and 1990.	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
10 Marquette Avenue (now 222 Beechwood Ave.)	25 m east of Parcels A and B	Former motor vehicle repair shop located operated between 1956 and 1971.	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)

All of these entries were addressed by the Phase Two ESA conducted by EXP in 2017.

3.6.3 Environmental Registry

On July 16, 2020, the MECP Environmental Registry website was searched for postings in the vicinity of the Phase One property. One posting was identified for a property within the Phase One study area.

- 222 Beechwood Avenue (10 m east of the site) – Permit to take water 743-9AKPQH was issued to The Kavanaugh in September 2013.

This is not considered an environmental concern to the property.

3.6.4 Environmental Access

On July 16, 2020, the MECP Environmental Access website was searched for postings within the Phase One study area.

- 25 Carsdale Avenue (90 m west of the Phase One property) – ECA issued to Uniform Urban Developments for sanitary and storm sewer construction. Approved August 2006, certificate number 7397-6RZNW7.
- 280 Beechwood Avenue (125 m north of the Phase One property) – Telus Communications registered the operations of a standby power system, registered April 2015, number R-002-4499003815.

No areas of potential environmental concern were identified.

3.6.5 Hazardous Waste Information Network

On July 16, 2020 the MECP Hazardous Waste Information Network (HWIN) website was searched for registered waste generators within the Phase One study area.

The HWIN database has identified two active generator numbers (ON6952071 and ON1086163) for properties within the Phase One study area.

The locations of the waste generators are summarized below.

Location (Generator)	Proximity to the Phase One Property	Wastes Generated	Years	Environmental Concern to Phase One Property and Rationale
Ottawa Fire Station 220 Beechwood Avenue (ON6952071)	20 m southeast of Parcel A	Oil skimmings and sludges	2014 to 2020	No – Cross gradient to the inferred groundwater flow direction.
Beachwood Animal Hospital 266 Beechwood Avenue (ON1086163)	70 m northeast of Parcel B	Pharmaceuticals Postprocessing wastes Pathological wastes	2003 to 2020	No – Wastes generated are likely used in small quantities for medical purposes.

A copy of the HWIN generators listed is included in Appendix C.

3.6.6 Records of Site Condition

On July 16, 2020, the MECP Brownfields Registry website was searched for postings of Records of Site Condition (RSC) within the Phase One study area.

An RSC was filed in 2006 for 25 Carsdale Avenue which is located adjacent west of the Parcel B. The property was converted from industrial to residential land use. There was also an RSC filed in 2014 for the properties at 9 Marquette Avenue, 222 Beechwood Avenue and 10 Jolliet Avenue which is located 25 m east of Parcels A and B. The properties were converted from a mix of commercial/residential to residential and combined. The updated address was 222 Beechwood Avenue.

These searches do not represent environmental concerns.

Copies of the RSC postings are included in Appendix C.

3.6.7 Coal Gasification Plants

Documents entitled *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario* prepared by the MECP and *Inventory of Coal Gasification Plant Waste Sites in Ontario* prepared by Intera Technologies Ltd. were reviewed. There were no coal gasification plants identified within the Phase One study area.

3.6.8 PCB Storage Sites

Documents entitled *National Inventory of PCBs in Use and PCB Wastes in Storage in Canada, 2003 Annual Report* prepared by Environment Canada and *Ontario Inventory of PCB Storage Sites* prepared by the MECP were reviewed. No records pertaining to PCB storage sites were identified within the Phase One study area.

3.6.9 Waste Disposal Sites

The documents entitled *Waste Disposal Site Inventory* prepared by the MECP and *Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario* prepared by Golder Associates were reviewed. No former landfills or waste disposal sites were identified within the Phase One study area.

3.6.10 Street Directories

As part of the 2017 Phase One ESA, records pertaining to the site were requested from the EcoLog Environmental Risk Information Services (or EcoLog ERIS) for the municipal street directories in the Phase One study area. EcoLog ERIS is an environmental database and information service provider. The review was completed to identify the occupancy history of the site and neighbouring properties for potential environmental concerns.

Location	Proximity to the Phase One Property	Year	Occupant	Environmental Concern to Phase One Property (Yes/No)
229-231, 241-247 Beechwood Avenue	Phase One property	1920-2011	Residential	No
		1910-1920	Not Listed	
222 Beechwood Avenue	25 m east of Parcels A and B	1954-2005/06	Commercial (RFO)	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
		1995/96 – 2005/06	Commercial (Rust Check Centre)	
		1910-1954	Not listed	
260 Beechwood Avenue	25 m northeast of Parcel B	1975-2011	Not listed	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
		1960-1975	Commercial (RFO)	
		1910-1960	Not listed	
188 Beechwood Avenue	120 m south of Parcel A	1988/89-2005/06	Commercial (RFO)	No – The location of the site is down gradient to the inferred groundwater flow direction. Intervening distance between the properties and the Site (>100 m)
		1969-1988/89	Commercial (Automotive Garage)	
		1949-1969	Commercial (RFO)	
		1810-1949	Not listed	
131 Beechwood Avenue	140 m southwest of Parcel A	1969-2011	Not listed	No – The location of the site is down gradient to the inferred groundwater flow direction. Intervening distance between the properties and the Site (>100 m)
		1949-1969	Commercial (Automotive Garage)	
		1910-1949	Not listed	
Green Avenue	Various properties to the south and southwest	1949-2011	Residential	No
		1910-1949	Not listed	
Corona Avenue	Various properties to the north and northwest	1954-2011	Residential	No
		1910-1954	Not listed	
		1949-2011	Residential	No

Location	Proximity to the Phase One Property	Year	Occupant	Environmental Concern to Phase One Property (Yes/No)
Joliet & Marquette Avenue	Various properties to the east and southeast	1910-1949	Not listed	

The properties located at 222 and 260 Beechwood Avenue are potentially contaminating activities due to their historic use as RFOs and their close vicinity to the Phase One property. Furthermore, the property located at 260 Beechwood Avenue is located hydraulically up-gradient of the Phase One property. Both of these properties were addressed as APECs in the Phase Two ESA completed in 2017 (Section 3.5). The properties located at 188 and 131 Beechwood Avenue are not considered APECs due to the large intervening distance between the properties and the Phase One property (>100 m) and their locations downgradient of the Phase One property.

3.7 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the Phase One property and properties within the Phase One study area was conducted by EcoLog ERIS. 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.

Location	Proximity to the Phase One Property	Description	Database	Environmental Concern to Phase One Property (Yes/No) & Rationale
25 Carsdale Avenue	Adjacent west of parcels A and B	Rockcliffe Park Village registered waste generator of waste oils and lubricants from, 1992 to 1998 (ON1530600). Property was converted from industrial property use to residential.	GEN RSC	No – Site met requirements for Full Depth Site Conditions Standard, with Nonportable Ground Water, Coarse Textured Soil, for Residential property use
249 Beechwood Avenue	Adjacent north of Parcel B	Private owner, registered generator of light fuels from 2002 to 2004 (ON8668232).	GEN	No – It is considered likely that this waste generation was due to a heating oil spill at this property according to a previous report. This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
220 Beachwood Avenue	20 m southeast of Parcel A	City of Ottawa, registered waste generator of oil skimmings and sludges from 2014 to 2020.	GEN	No – Cross gradient to the inferred groundwater flow direction.

Location	Proximity to the Phase One Property	Description	Database	Environmental Concern to Phase One Property (Yes/No) & Rationale
222 Beechwood Avenue	25 m east of Parcels A and B	Formerly registered RFO; Previously four 13,620 L gasoline single wall USTs and one 22,700 L gasoline UST. Three 25,000 L double wall gasoline USTs installed in 1995. Esso, registered waste generator of light fuels, from 2013 (ON8138027); Domicile Developments Inc. registered waste generator of light fuels from 2013 (ON7729799).	PRT RST FSTH EXP FST	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
9 Marquette Avenue, 222 Beechwood Avenue and 10 Joliet Avenue	25 m east of Parcels A and B	The properties were converted from a mix of commercial/residential to residential and combined into one property – 222 Beechwood Ave.	RSC	No – Site met requirements for Full Depth Site Conditions Standard, with Nonportable Ground Water, Coarse Textured Soil, for Residential property use
266 Beechwood Avenue	70 m northeast of Parcel B	Beachwood Animal Hospital, registered waste generator of pathological wastes, photo processing wastes and pharmaceuticals from 2003 to 2020.	GEN	No – Wastes generated are likely used in small quantities for medical purposes.
188 Beechwood Avenue	120 m south of Parcel A	Formerly registered RFO.	PRT EXP	No – The location of the site is down gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).
29 Marier Avenue	160 m southeast of Parcel A	Regimbal Trophy & Engraving listed for operations including “coating, engraving, heat treating and allied activities”, “jewellery and silverware manufacturing” and “other printing”.	SCT	No – Cross gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).
105 Putman Avenue	170 southwest of Parcel A	Wawa Design listed for activities including “books: publishing and printing”, “commercial printing” and “miscellaneous publishing”.	SCT	No – Down gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).
109 Acacia Avenue	200 m northwest of Parcel B	Thermography Inc. listed for activities including “other printing”.	SCT	No – Cross gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).

Databases:

EXP – List of Expired Fuel Safety Facilities

FST – Fuel Storage Tanks

FSTH – Fuel Storage Tanks -Historic

GEN – Ontario Regulation 347 Waste Generators Summary

PRT – Private and Retail Fuel Storage Tanks

RSC – Record of Site Condition

RST – Retail Fuel Storage Tanks

SCT – Scott’s Manufacturing Directory

SPL – Ontario Spills

- One spill was reported for the Phase One property in the Ontario Spills database. Seven natural gas pipeline strikes were reported, natural gas leaks are not a concern to the Phase One property since the gas discharged to the atmosphere. Seven other incidents were reported to the Phase One study area and are summarized below.

Location	Proximity to the Phase One Property	Description	Database	Environmental Concern to Phase One Property (Yes/No) & Rationale
241 Beechwood Avenue	Phase One property	On December 12, 1991, approximately 800 L of fuel oil was spilled to ground from private fuel storage tank.	SPL	No – This was addressed as an APEC in the Phase Two ESA conducted in 2017 (Section 3.5)
196 Beechwood Avenue	110 m south of Parcel A	On October 30, 1995, a small quantity of furnace oil was spilled to concrete basement.	SPL	No – Due to small volume of spill, and large intervening distance (>100 m).
188 Beechwood Avenue	120 m south of Parcel A	October 9, 1995, approximately 2 L of gasoline was spilled to ground.	SPL	No – Due to small volume spilled. Intervening distance between the properties and the site (>100 m).
243 Ferland Street	145 m east of Parcels A and B	On May 21, 1996, 20 L of furnace oil was spilled to ground.	SPL	No – Cross gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).
247 Ferland Street	140 m east of Parcel B	On January 27, 2000 an unknown quantity was reported leaked from an underground furnace oil tank.	SPL	No – Cross gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).
261 Garneau Street	170 m northeast of Parcel B	On May 19, 2014, CB impacted by gasoline spill, less than 1 L reported spilled.	SPL	No – Due to small volume spilled.
250 Ferland Street	190 m east of Parcel B	July 9, 1991 Esso neighbour discovered underground storage tank leakage	SPL	No – Cross gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).
Ste. Cecile and Genest Street	205 m southeast of Parcel A	On August 23, 2017, approximately 20,000 L of water was released from holding tank.	SPL	No – Cross gradient to the inferred groundwater flow direction. Intervening distance between the properties and the site (>100 m).

In addition to the databases outlined above the following entries from the EcoLog ERIS report were reviewed and summarized below:

- The Pipeline Incidents database identified two entries for properties located at 222 Beechwood Avenue and 249 Garneau Street. Both incidents related to natural gas pipeline leaks. The natural gas leaks are not a concern to the Phase One property since the gas discharged to the atmosphere;
- The TSSA Historic Incidents database identified two entries for the properties located at 101 Black Maple Private and 26 Lavergne Street. Both incidents related to natural gas pipeline leaks. The natural gas leaks are not a concern to the Phase One property since the gas discharged to the atmosphere;
- There were eight records found in the Water Well Information System (WWIS) database for the Phase One study area. No records were found for the Phase One property. The records relate to monitoring and test holes and abandoned wells. No water well records were found in the Phase One study area.

Based on the review of the ERIS report, no PCA, other than those mentioned in previous sections, were identified.

3.8 Physical Setting Sources

3.8.1 Aerial Photographs

Aerial photographs dated 1928, 1947, 1965, 1976, 1991, 2005, 2008, 2014 and 2017 were reviewed. Aerial photographs dated prior to 1928 were not available for review. The following table summarizes the development and land use history of the Phase One property and adjacent properties as depicted on the reviewed aerial photographs. Copies of the aerial photographs are provided in Appendix E.

Aerial Photograph (year)	Details
1928	The Site appears to be occupied with a building with a similar footprint of the current building located at 231 Beechwood Avenue (Parcel A). Parcel B appears to be undeveloped. Neighbouring properties appear to be undeveloped with the exception of residential style buildings on Acacia Avenue to the west, Beechwood Avenue to the south and southeast, and Green Avenue to the south. Beechwood Avenue is developed to the south of Marier Avenue with residential style buildings.
1947	There are no changes to the Site. There appears to be additional development across Beechwood Avenue to the east of the Site, however, the nature of the development is unclear.
1965	Buildings fitting the footprint of the current Site buildings located at 229-231 and 241-247 Beechwood Ave. are apparent. The former industrial garage/repair shop is visible to the west of Parcels A and B. Pump islands are visible at the former RFOs located to the northeast at 266, and 260 and to the east at 222 Beechwood Avenue. The neighbouring properties to the north and south are developed with residential style buildings.
1976	There are no apparent changes to the Site or neighbouring properties.
1991	There are no changes to the Site. The RFO remains present at 222 Beechwood Avenue. The RFO and associated commercial building at 260 Beechwood Avenue has been removed and has been replaced by a vacant lot. The RFO at 266 Beechwood Avenue is no longer present and has been replaced by a commercial building.
2005	There are no apparent changes to the Site or neighbouring properties.
2008	There are no apparent changes to the Site. The former industrial garage/repair shop located at 25 Carsdale Ave. has been removed and construction has begun on the residential dwellings (townhomes) on this property. Townhomes are now present on the properties adjacent west of Parcels A and B.
2014	There are no changes to the Site. The RFO located at 222 Beechwood Ave. has been removed and construction of a residential/commercial building has begun.
2017	There are no changes to the Site. The construction of the residential/commercial building at 222 Beachwood Avenue has been completed.

Based on the review of the aerial photographs, The RFO at 222 Beachwood Avenue, RFO at 260 and 266 Beechwood Avenue and the former industrial garage/repair shop at 25 Carsdale Avenue. These were all addressed in the Phase Two ESA conducted by EXP in 2017.

3.8.2 Topography, Hydrology, Geology

Bedrock and surficial geology were reviewed via the Google Earth applications published by the Ontario Ministry of Energy, Northern Development and Mines. The bedrock geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearch/bedrock-geology and was last modified on March 19, 2018. The surficial geology application

is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology and was last modified on May 23, 2017.

Based on these applications, bedrock is a combination of shale (and minor limestone) of the Billings Formation and limestone of the Lindsay Formation at a depth of 0.7-5 m. Native surficial soil consists of fine-textured glaciomarine deposits of silt and clay with minor sand and gravel. Ground surface is approximately 60 metres above sea level (masl).

A topographical map available from Natural Resources Canada (atlas.gc.ca/toporama/en/) was also reviewed. The local topography was observed to be sloping downwards towards the east (Beechwood Avenue) with regional topography sloping toward the southeast.

Regional groundwater flow direction is inferred to be in the southwestern direction towards the Rideau River (approximately 750 m from the Phase One property).

The topographical map was used as the base of the Site Location Plan, Figure 1, as shown in Appendix B.

3.8.3 Fill Materials

Notable amounts of fill material are not present and/or anticipated on the Phase One property.

3.8.4 Water Bodies and Areas of Natural Significance

There were no water bodies on the subject Phase One property. The Rideau River is located approximately 750 m to the southwest of the site. Additionally, the Ottawa River is approximately 1.6 km to the west of the site.

There are no Areas of Natural Significance (ANSI) within the Phase One study area, according to the Ministry of Natural Resources and Forestry Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

3.8.5 Well Records

The Ontario well records website (www.ontario.ca/environment-and-energy/map-well-records water wells) was accessed. There were records for eight monitoring wells within the Phase One study area. There were no potable water wells for domestic use within the Phase One study area.

Local MOE water wells records show that bedrock depth in the area is approximately 0.7-5 m from surface.

There are no oil, gas, or salt wells within the Phase One study area, according to the Oil, Gas & Salt Resources Library (maps.ogsrlibrary.com/wells/).

3.9 Site Operating Records

No site operating records were available for review.

4.0 Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable about both the current and historical Phase One property uses. The purpose of 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 Phase One property.

Mr. Ivan Cherwinski, Asset & Property Manager with Smart Living Properties was interviewed in person during the site visit on July 21, 2020 by EXP personnel. Mr. Cherwinski provided access to the site buildings.

Mr. Cherwinski confirmed that all three units at 321 Beechwood Avenue, as well as 241 Beechwood were occupied. The remainder of the residences are currently vacant. The property at 245 Beechwood was last used as a maintenance/storage area by Smart Living Properties.

Responses to other questions were made during site reconnaissance and are discussed in section 5.0.

5.0 Site Reconnaissance

5.1 General Requirements

On July 21, 2020, Ms. Leah Wells, E.I.T. of EXP conducted the Phase One property visit under the supervision of Mr. Mark McCalla B.Sc., P. Geo., the Qualified Person overseeing this investigation. 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 Phase One property.

The general environmental management and housekeeping practices at the Phase One property 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 made. The site reconnaissance began at approximately 9:15 a.m. and lasted approximately 1 hour. The weather was approximately 20 °C and sunny. Adjacent properties were observed from within the grounds of the Phase One property, as well as publicly accessible areas. Photographs documenting the site visit are included in Appendix F.

5.2 Specific Observations at the Phase One Property

5.2.1 Buildings and Structures

Parcel A:

At the time of the investigation, the Parcel A site usage was two (2) multi-unit residential structures. 229 Beechwood Avenue had two (2) units and 231 Beechwood Avenue had three (3) units. There is one paved driveway serving 229 Beechwood Avenue and one small parking area for 231 Beechwood Avenue accessed via the laneway, which connects to Beechwood Avenue. There are two (2) storage sheds located at the west and one (1) storage shed to the north of Parcel A.

Parcel B:

Parcel B site usage was three (3) single-unit residential structures. There is one shared, paved driveway between 245 and 247 Beechwood Avenue and a small parking area for 241 Beechwood Avenue accessed via the laneway, which connects to Beechwood Avenue. There are three (3) storage sheds located at the west of Parcel B.

5.2.2 Heating and Cooling Systems

Parcel A:

The heating system is fuelled by heating oil at 229 Beechwood Avenue A 910-litre single-walled aboveground storage tank manufactured in 2009 is present to the west (rear) of the dwelling. Forced air natural gas was observed at 231 Beechwood Ave. Natural gas heating is not anticipated to be original to this building.

Parcel B:

The heating system was observed to be forced air natural gas at 245 Beechwood Ave and hot-water boiler heating at 241 and 247 Beechwood Avenue Natural gas/hot water heating is not anticipated to be original to these buildings.

Previous heating may have been wood, coal or fuel oil; however, no evidence of these systems remains. Centralized cooling systems were not observed at any of the properties at the time of the site visits.

5.2.3 Site Utilities and Services

Both Parcels A and B utilize the City of Ottawa water and sewer systems, Enbridge natural gas and local electricity services.

5.3 Storage Tanks

5.3.1 Underground Storage Tanks

No UST were observed on the Phase One property and there was no evidence of historical UST.

5.3.2 Above Ground Storage Tanks

Parcel A:

Exp observed A 910-litre single-walled aboveground storage tank (AST) manufactured in 2009 the west (rear) of the dwelling located at 229 Beechwood Avenue. The tank was in good condition at the time of the investigation. There was evidence of former vent/fill pipes located in the basement of the building indicating that a fuel oil tank was previously located in the basement. However, there was no evidence of spills or staining present on the concrete pad beneath the tank or in the basement. Therefore, this tank does not represent an APEC.

Parcel B:

EXP did not observe any ASTs during the site reconnaissance. No visual evidence such as fill / vent pipes, levelometers or oil fill lines were observed at the Phase One property.

5.4 Chemical Storage Handling and Floor Condition

Small volumes of janitorial chemicals were observed at the Site within each of the residential dwellings. This does not represent an APEC.

There was a small amount of darkened staining from an unknown source on the concrete slab in the basement mechanical room at 241 Beechwood Avenue. Due to the minor quantity of spilled material and its containment on concrete slab, the staining does not represent an APEC. Some staining was observed on the basement floor in 247 Beechwood Avenue. Due to the minor quantity of spilled material and its containment on concrete slab, the staining does not represent an APEC in either dwelling.

5.5 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of significant staining of soil or pavement was observed on the Phase One property at the time of EXP's site visit. Further, the vegetation on the property did not appear to be stressed.

5.6 Fill and Debris

Parcel A and B are similar in elevation to the surrounding properties, which are residential in nature with small parking areas and manicured lawns. Both parcels slope downwards towards Beechwood Avenue to the east. Significant amounts of fill materials are not anticipated at the Phase One property.

No debris piles were observed at the Phase One property.

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

5.7 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MECP. According to the Environmental Protection Act (EPA), an ECA (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 29, 1988.

During the site visit no emergency powered generators were observed. Therefore, no air emissions of concerns were identified at the time of the site visit.

5.8 Odours

No strong odours were present during the site visit.

5.9 Noise

No excessive noise was heard during the site visit.

5.10 Other Observations

There were no ponds or lagoons, no railways or spurs and no unidentified substances observed on the Phase One property.

Surrounding properties within the Phase One study area are used for residential purpose to the north and south and commercial use to the east.

The basement floor at 245 Beechwood Avenue was submerged in approximately 3" of water.

Drains were limited to a floor drain located in the basement of each dwelling.

5.11 Special Attention Items, Hazardous Building Materials and Designated Substances

5.11.1 Asbestos

Asbestos-containing materials (ACM) 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 that 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.

ACM in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHS). Under OHS, 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 ACM 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 current dwellings on Parcels A and B (constructed pre-1965), it is possible for ACMs to have been used during the construction of the site buildings or during subsequent renovations (i.e. in the form of insulation, roofing tars, mortars, plaster, stipple ceiling finish, drywall joint compound, vinyl floor tiles, and ceiling tiles, etc.). Prior to any renovations or building demolition, a designated substances survey must be conducted.

5.11.2 Ozone Depleting Substances (ODSs)

Chlorofluorocarbons (CFC), often referred to as freons, ceased production in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and a total ban on their use is proposed for 2020.

The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

Under the management of a licensed contractor, the subject systems do not represent a significant concern to human health or the environment. However, if present, CFCs will require replacement by 2030.

Several older model refrigerators are present in some of the dwellings, no other ODSs were observed on the Phase One property.

5.11.3 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate 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 higher 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 current Site buildings on Parcels A and B (constructed pre-1965), it is EXP's opinion that there is potential for LBPs to be contained within the buildings. Some painted surfaces noted during the site visit were observed to be in poor condition. Prior to any renovations or building demolition, a designated substances survey must be conducted.

5.11.4 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 buildings of both Parcels A and B (constructed pre-1965), it is EXP's opinion that the presence of mercury-based paints within the site building is possible. The painted surfaces noted during the site visit were observed to be in good condition with the exception of the paints noted in Section 5.2.13.2. Prior to any renovations or building demolition, a designated substances survey must be conducted.

5.11.5 Polychlorinated Biphenyls (PCB)

The manufacture of PCB 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 PCB-containing equipment on the Phase One property. Potential equipment, which could contain PCB include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCB must be disposed of in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCB is permissible.

Based on the age of the Site buildings of Parcels A and B (constructed pre-1965), the potential for PCB-containing equipment to be present is possible however potential PCB containing equipment was not observed during the site visit.

5.11.6 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. 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 buildings of Parcels A & B (constructed pre-1965), it is possible that UFFI was added during renovation activities and may still be present.

5.11.7 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 Becquerels per cubic metre (Bq/m³) where radon gas is present and the annual radon concentration exceeds 200 Bq/m³ in the normal occupancy area.

A radon gas assessment was beyond the scope of this Phase One ESA, and as such, radon gas was not assessed. Indoor air sampling would be required to assess radon concentrations at the Phase One property.

5.11.8 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, a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) and moist conditions are required. 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 3 (2015)."

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.

Black mould growth was observed on wood surfaces, including cupboards and doors, in the basement of 229 Beechwood Avenue (Parcel A). Mould was also present on the concrete block walls and poured concrete floor.

Severe water damage was observed in the basement of 345 Beechwood Avenue (Parcel A), as the basement contained approximately 3" of standing water across the entire floorspace. Black mould was observed both the drywall and concrete walls in the basement.

5.11.9 Other Substances

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

5.11.10 Processing and Manufacturing Operations

No processing or manufacturing operations were observed at the Phase One property.

5.11.11 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Phase One property. No hazardous materials are used or stored at either Parcel of the Phase One property. A limited amount of gasoline was observed to be stored in a jerry can within the storage shed located at the rear of the building located at 231 Beechwood Avenue (Parcel A) but does not represent an APEC due to the limited quantity and proper storage container.

5.11.12 Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance activities were observed or reported.

5.11.13 Oil/Water Separators

No oil-water separators were observed at the Phase One property.

5.11.14 Sewage and Wastewater Disposal

Wastewater is treated via the municipal sewer system.

5.11.15 Solid Waste Generation, Storage & Disposal

Currently, no solid waste is generated on either Parcel of the Site apart from general household solid waste. Household waste would be collected via weekly garbage pick-up.

5.11.16 Liquid Waste Generation, Storage & Disposal

No liquid wastes are generated at the Phase One property.

5.11.17 Unidentified Substances

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

5.11.18 Hydraulic Lift Equipment

No hydraulic equipment was observed at the Phase One property.

5.11.19 Mechanical Equipment

No mechanical equipment of concern was present on the Phase One property.

5.11.20 Abandoned and Existing Wells

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

5.11.21 Roads, Parking Facilities and Right of Ways

Access to both parcels of the Site is via Beechwood Avenue to the east. There is a City-owned laneway (formerly Carsdale Avenue) separating Parcels A and B.

Parcel A

Parking is limited to approximately three spaces along the driveway for 229 Beechwood Avenue. There are approximately 3-4 parking spots in a small parking lot at the northwestern portion of Parcel A belonging to 231 Beechwood Avenue. The lot is accessed via the laneway which connects to Beechwood Avenue.

Parcel B

Parking is limited to approximately two (2) spaces for each of 245 and 247 Beechwood Avenue. These small lots are accessed via a shared driveway located between the dwellings. There are approximately 3-4 parking spots in a small parking lot at the southeastern portion of Parcel B belonging to 241 Beechwood Avenue. The lot is accessed via the laneway which connects to Beechwood Avenue.

5.12 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the Phase One property was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Phase One property. Refer to Figure 3 in Appendix B for the adjacent land uses.

The following land uses border the subject property:

Parcel A:

- North (across City-owned laneway): Residential (Parcel B followed by single-family homes);
- West: Residential (townhomes);
- South: Residential (single-family homes); and,
- East (across Beechwood Avenue): Mixed commercial (office space) and residential low-rise building followed by single-family homes.

Parcel B:

- North: Residential (single-family homes);
- West: Residential (single family homes);
- South (across City-owned laneway): Residential (Parcel A followed by single-family homes); and,
- East (across Beechwood Avenue.): Mixed commercial (office space) and residential low-rise building followed by single-family homes.

Based on the above, none of the above current neighbouring properties are considered to cause any environmental concern to either Parcel of the Site.

5.13 Enhanced Investigation Property

Ontario Regulation 153/04 defines an enhanced investigation property as a “property that is used, or has ever been used, in whole or in part for an industrial use or any of the following commercial uses: a garage; a bulk liquid dispensing facility, including a gasoline outlet; or, for the operation of dry-cleaning equipment.”

Therefore, in accordance with Regulation 153/04, the property is not considered to be an enhanced investigation property.

5.14 Summary and Written Description of Investigation

Based on site reconnaissance no new APECs were identified. Based on the results of the Phase One ESA, EXP recommended updating the groundwater chemistry database for the site to confirm that there are no impacts to groundwater. This is further detailed in Section 8.

6.0 Phase One Conceptual Site Model

6.1 Phase One Conceptual Site Model

To develop a conceptual model for the Phase One property, the following physical characteristics and pathways were considered. A conceptual site model (CSM) showing the topography of the site, inferred groundwater flow, general site features, APEC, and PCA is shown in Figure 2.

6.1.1 Buildings and Structures

The Phase One property consists of two (2) parcels: the two (2) properties located at 229/231 Beechwood Avenue (Parcel A) and the three (3) properties located at 241/245/247 Beechwood Avenue (Parcel B), Ottawa, Ontario. Both parcels are located on the western side of Beechwood Avenue between Green Avenue and Corona Avenue. Parcel A is located 15 metres (m) to the south of Parcel B. Parcel A is located to the north and Parcel B is located to the south of a City-owned laneway (previously Carlsdale Avenue), which intersects the two parcels. The following describes each of Site parcels:

Parcel A:

- 229 Beechwood Avenue: City of Ottawa PIN's are 042260120 and 042260121 and legally described as Plan M30 Lot 10 to 11 PT Lane and RP 4R5284; Part 2, City of Ottawa; and,
- 231 Beechwood Avenue: City of Ottawa PIN's are 042260122 and 042260123 and legally described as Plan M30 Lot 12 PT Lane and RP 4R5284; Part 1, City of Ottawa.

At the time of the investigation, Parcel A was developed as two (2) 2-storey residential buildings with three (3) storage sheds (two sheds present in the western quadrant and one shed present in the northern quadrant of Parcel A), mature trees, and two (2) asphalt driveways/parking areas. One parking area serving 229 Beechwood Avenue is located to the south of the dwelling and there is a small parking area to the north serving 231 Beechwood Avenue, which connects to the laneway that intersects the two Parcels. Parcel A is square in shape, covering an area of 0.105 hectares (0.26 acres).

Parcel B:

- 241 Beechwood Avenue: City of Ottawa PIN's are 042260136 and 042260166 and legally described as Plan M30 Lot 24 RP4R1168; Part 3, City of Ottawa;
- 245 Beechwood Avenue: City of Ottawa PIN's are 042260137 and 042260167 and legally described as Plan M30 Lot 25 RP 4R1168; Part 4, City of Ottawa; and,
- 247 Beechwood Avenue: City of Ottawa PIN's are 042260138 and 042260168 and legally described as Plan M30 Lot 26 RP 4R1168; Part 5, City of Ottawa.

Parcel B is currently developed as three (3) 2-storey residential buildings with three (3) storage sheds in the western quadrant, mature trees and an asphalt driveway/parking area that is shared and located between the dwellings at 245 and 247 Beechwood Ave. There is a small asphalt parking area to the south serving 241 Beechwood Ave., which connects to the City-owned laneway that intersects the two parcels. Parcel B is square in shape, covering an area of 0.109 hectares (0.27 acres).

Both parcels are municipally serviced for water and sewers and are both neighboured by residential to the north, south, and west and commercial followed by residential to the east.

6.1.2 Water Bodies and Groundwater Flow Direction

There is no waterbody on or within 100 m of the Phase One property. The closest waterbodies are located 750 m to the southwest of the Parcel A (Rideau River) and 1.6 km east of Parcel A (Ottawa River). The local topography was observed slope downwards towards the east (Beechwood Avenue) with regional topography sloping toward the southeast.

Regional groundwater flow direction is inferred to be in the southwestern direction towards the Rideau River (approximately 750 m from the property).

6.1.3 Areas of Natural Significance

There is no ANSI within the Phase One study area.

6.1.4 Water Wells

There are no potable water wells within the Phase One study area.

6.1.5 Potentially Contaminating Activity

No additional PCAs have been identified since the 2017 Phase One ESA.

6.1.6 Areas of Potential Environmental Concern

No additional APECs have been identified since the 2017 Phase One ESA. These were addressed by the installation of four monitoring wells.

6.1.7 Underground Utilities

The approximate location of underground utilities was based on the knowledge of the interviewee. The underground utility corridors for hydro, gas, phone, sanitary sewer, and municipal water supply are deep enough to potentially affect groundwater flow.

6.1.8 Subsurface Stratigraphy

Based on the results of the conducted by EXP in 2017, which consisted of advancing a total of six (6) boreholes at the site, fill was encountered to 0.8 m to 2.4 m depth. The fill consisted of sand and gravel to silty sand containing crusher run limestone, debris of bricks, silty clay layers/pockets, topsoil, organic matter, roots, etc. The topsoil in Borehole No. 3 was underlain by brown fine sand with some silt, which extended to 1.5 m depth. The sand in Borehole No. 3 was underlain by till which extended to refusal depth of 3 m. The sand till contained some gravel, some silt and trace clay and occasional cobbles and boulders. No odours or visual indications of impact were observed in the native material. Auger/spoon refusals were encountered at 0.8 m to 3 m depth below ground surface.

Groundwater was encountered at a depth of 0.99 mbgs in to 2.82 mbgs. No petroleum sheens were observed in the monitoring wells during the sampling event. Based on the groundwater level measurements, the groundwater flow in the area of the boreholes was to the southwest.

6.1.9 Uncertainty Analysis

The CSM is a simplification of reality, which aims to provide a description and assessment of any areas where potentially contaminating activity that occurred within the Phase One study area may have adversely affected the Phase One property.

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All information collected during this investigation, including records, interviews, and site reconnaissance, has contributed to the formulation of the CSM.

Information was assessed for consistency, however 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. All reasonable inquiries to obtain accessible information were made, as required by Schedule D, Table 1, Mandatory Requirements for Phase One Environmental Site Assessment Reports. The CSM reflects our best interpretation of the information that was available during this investigation.

7.0 Groundwater Sampling

Based on the findings of the Phase One ESA, groundwater sampling was recommended to update the groundwater conditions on the property.

7.1 Applicable Site Condition Standards

The assessment criteria, Site Condition Standards (SCS), applicable to a given Phase One property in Ontario are established under subsection 168.4(1) of the Environmental Protection Act. Tabulated generic criteria are provided in "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" ("the SGWS Standards"), Ontario Ministry of Environment, Conservation and Parks (MECP). These criteria, which came into force on July 1, 2011, are based on Phase One property sensitivity (sensitive or non-sensitive), groundwater use (potable or non-potable), property use (residential, parkland, institutional, commercial, industrial, community and agricultural/other), soil type (coarse or medium to fine textured) and restoration depth (full or stratified restoration). In addition, Phase Two property specific criteria may be established on the basis of the findings of a Risk Assessment carried out in accordance with Part IX and Schedule C of O. Reg. 153/04, as amended.

For assessment purposes, EXP selected the MECP Table 7 SCS for a residential property use in a non-potable groundwater situation with coarse-textured soil.

The selection of this category was based on the following factors:

- The predominant soil type on the Site was considered to be coarse textured;
- There was no intention to carry out a stratified restoration at the Site;
- Less than two-thirds of the Site has an overburden thickness greater than 2 m;
- The Site is not located within 30 m of a surface water body or an area of natural significance;
- The soil at the Site has a pH value between 5 and 9 for surficial soils; and, between 5 and 11 for subsurface soils;
- The property is not within an area of natural significance; does not include, nor is it adjacent to an area of natural significance, nor is it part of such an area; and, it does not include land that is within 30 m of an area of natural significance, nor is it part of such an area;
- The Site is fully serviced by the City of Ottawa water distribution system and, to the best of EXP's knowledge; all properties within 250 m of the Site are also serviced by the municipal water supply (i.e. there are no potable water supply wells located within the Phase One Study Area); and,
- The Site was residential and will be residential in the future.

7.2 Groundwater Sampling

Groundwater samples were collected from the monitoring wells July 20, 2020. The monitoring consisted of measuring the depth to groundwater in the monitoring wells so that the groundwater flow and direction below the property could be assessed. The water level measurements were recorded on water level log sheets. The water level meter probe was decontaminated between monitoring well locations with a spray bottle of water and alconox solution, paper towel, then potable water.

The wells were then sampled using a "low flow" technique whereby the wells were continuously purged using an electric pump (equipped with dedicated tubing) and parameters within the purged water were monitored using a groundwater chemistry multi-meter at 3- minute intervals. These parameters include pH, conductivity, temperature, and salinity. Once these parameters were found to deviate less than 10% over three testing events, equilibrium was deemed to have occurred

and a sample of the groundwater was collected. The samples submitted for metals analysis were filtered in the field using an in-line 0.45 µm filter.

The purge water was also continuously monitored for visual and olfactory evidence of petroleum and solvent impact (sheen and odour). The groundwater samples were collected in laboratory provided sample bottles and submitted to BVL for analysis of PHC, BTEX, and VOCs. The groundwater samples were placed in a clean cooler containing ice prior to and during transportation to the subcontract laboratory.

7.3 Ground Water Elevations and Flow Direction

Groundwater was measured in the monitoring wells on July 20, 2020. The depth to groundwater ranged between approximately 1.43 m and 2.63 m below ground surface (bgs). Groundwater elevations relative to ground surface are summarized below.

Table 1.1: Groundwater Elevations

Monitoring Well ID	Top of Well Casing (m)	July 7, 2017		July 20, 2020	
		Water Level (mbtoc)	Water Level (MASL)	Water Level (mbtoc)	Water Level (MASL)
MW17-1	58.59	2.71	55.88	2.63	59.96
MW17-3	59.37	1.70	57.67	1.43	57.94
MW17-4	60.41	1.70	58.71	1.69	58.72
MW17-5	60.60	0.96	59.64	Not found	NA

Notes: Elevations were using a high precision GPS unit relative to sea level.
mbtoc – metres below top of well casing
MASL – metres above sea level
NM – not measured
NA – not applicable

Based on the groundwater data collected on July 20, 2020, the inferred local groundwater flow direction was generally to the northeast. EXP notes that groundwater flow direction and level can be influenced by utility trenches and other subsurface structures and may migrate in the bedding stone of nearby subsurface utility trenches. The groundwater elevation contours are presented on Figure 4.

7.4 Ground Water Quality

The summarized analytical data are presented in Appendix E. Copies of the laboratory Certificates of Analysis for the groundwater samples are provided in Appendix F.

No evidence of free product (i.e. visible film or sheen), or odour was observed during well purging and groundwater sampling.

7.4.1 Petroleum Hydrocarbons and Volatile Organic Compounds

Three (3) groundwater samples and a blind duplicate were submitted for the chemical analysis of PHC and VOC. The concentrations of PHC and VOC parameters in the groundwater samples were less than the MECP Table 7 SCS as shown in Table 1 in Appendix E.

7.5 Quality Assurance and Quality Control Results

Quality assurance and quality control measures were taken during the field activities to meet the objectives of the sampling and quality assurance plan to collect unbiased and representative samples to characterize existing conditions in the fill/upper overburden materials and groundwater at the Phase Two property. QA/QC measures, as described in Section 4.13, included:

- The collection of groundwater samples following standard operating procedures;
- Collection and analysis of blind duplicate groundwater samples to ensure analytical precision and accuracy;
- The implementation of decontamination procedures to minimize the potential for sample cross-contamination;
- The collection of recommended analytical test group specific volumes into pre-cleaned laboratory supplied containers provided with necessary preservatives as required;
- Sample preservation in insulated coolers pre-chilled with ice and meeting holding time requirements;
- Sample documentation including Chain of Custody protocols; and,
- The collection of quality control samples.

Review of field activity documentation indicated that recommended sample volumes were collected from groundwater for each analytical test group into appropriate containers and preserved with proper chemical reagents in accordance with the protocols set out in the *Protocol for Analytical Methods used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act* (MECP, 2011). Samples were preserved at the required temperatures in insulated coolers and met applicable holding time requirements, when relinquished to the receiving laboratory. Where the concentrations of the analyzed representative soil sample and/or the duplicate were not greater than five times the laboratory MDL, RPDs could not be calculated. The results of the analyses where the concentrations were at least five times the laboratory MDL compared to the duplicate sample concentrations were within an acceptable degree of variance. Since laboratory duplicate measures laboratory precision while field duplicates measures laboratory and field precision, alert limits for field duplicates are two times the laboratory RPD.

Duplicate groundwater samples (MW3 and Dup) were submitted for chemical analysis PHC and VOC. The concentrations of PHC and VOC in the duplicate groundwater samples were less than the laboratory reported detection limits for both the primary and duplicate samples and therefore relative percent difference (RPD) could not be calculated.

The laboratory quality assurance program included the analysis of laboratory duplicate (replicate) samples, method blanks, spiked blanks, spiked samples and samples of reference materials in accordance with the Analytical Protocol. These analytical results comprise portions of the Certificates of Analysis in Appendix F.

The results of all QA/QC analysis provide confidence in the laboratory results obtained during this investigation

8.0 Conclusions

Based on the results of a Phase One ESA conducted in 2017, a Phase Two ESA was conducted. That investigation addressed the APECs identified in the 2017 Phase One report. The soil and groundwater samples taken as part of the Phase Two ESA met the MECP Table 3 site condition standards. No additional APECs were identified in 2020. EXP recommended that groundwater samples be taken from the existing monitoring wells on the Phase One property to confirm the groundwater quality.

Groundwater samples from monitoring wells MW1, MW3 and MW4 were submitted for analysis of PHC and VOC. The results of the groundwater sampling met the MECP Table 3 SCS. EXP does not recommend any additional environmental work at the Phase One property.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

9.0 References

- Canadian Standards Association, *Phase One Environmental Site Assessment Z768-01 (R2016)*, November 2001.
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- Ontario Ministry of the Environment, Conservation and Parks, Water Wells website (www.ontario.ca/environment-and-energy/map-well-records-water-wells).
- Ontario Ministry of Labour, *Occupational Health and Safety Act*, R.S.O. 1990.
- Ontario Ministry of Natural Resources and Forestry, Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

10.0 Qualifications of Assessors

The records review and Site visit was conducted by Ms. Leah Wells, EIT. Ms. Wells has three years of experience in the environmental consulting field. She has worked on numerous Phase I Environmental Site Assessments (ESA); Phase II ESAs, completing soil and groundwater sampling, soil vapour sampling, assisting in report preparation and data entry and analysis.

This Phase I ESA was reviewed by Mr. Mark McCalla, P. Geo. Mr. McCalla is a senior Environmental Scientist with EXP who has over 30 years of experience in the environmental consulting field. His technical undertakings have including work in the following fields: Phase I and II Environmental Site Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per O.Reg. 153/04.

EXP Services Inc. is a full-service consulting and engineering firm and provides a full range of environmental services through the Environmental Services Group. EXP's Environmental Services Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with the Ontario MECP. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

11.0 Limitation of Liability, 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. Where special concerns exist, or Ottawa Carleton Construction Group Ltd. ("the Client") has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

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 the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. 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. 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 the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client 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.

Use of Report

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client's 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.

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12.0 Signatures

We trust this report meets your current needs. If you have any questions pertaining to the investigation undertaken by EXP, please do not hesitate to contact the undersigned. The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices. The Qualified Person who oversaw this work, Mark McCalla, B.Sc., P.Geo., recommends that a Phase Two ESA be conducted to address the PCA that may have adversely affected the APEC on the Phase One property.

EXP Services Inc.

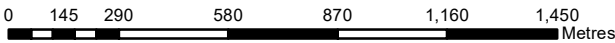
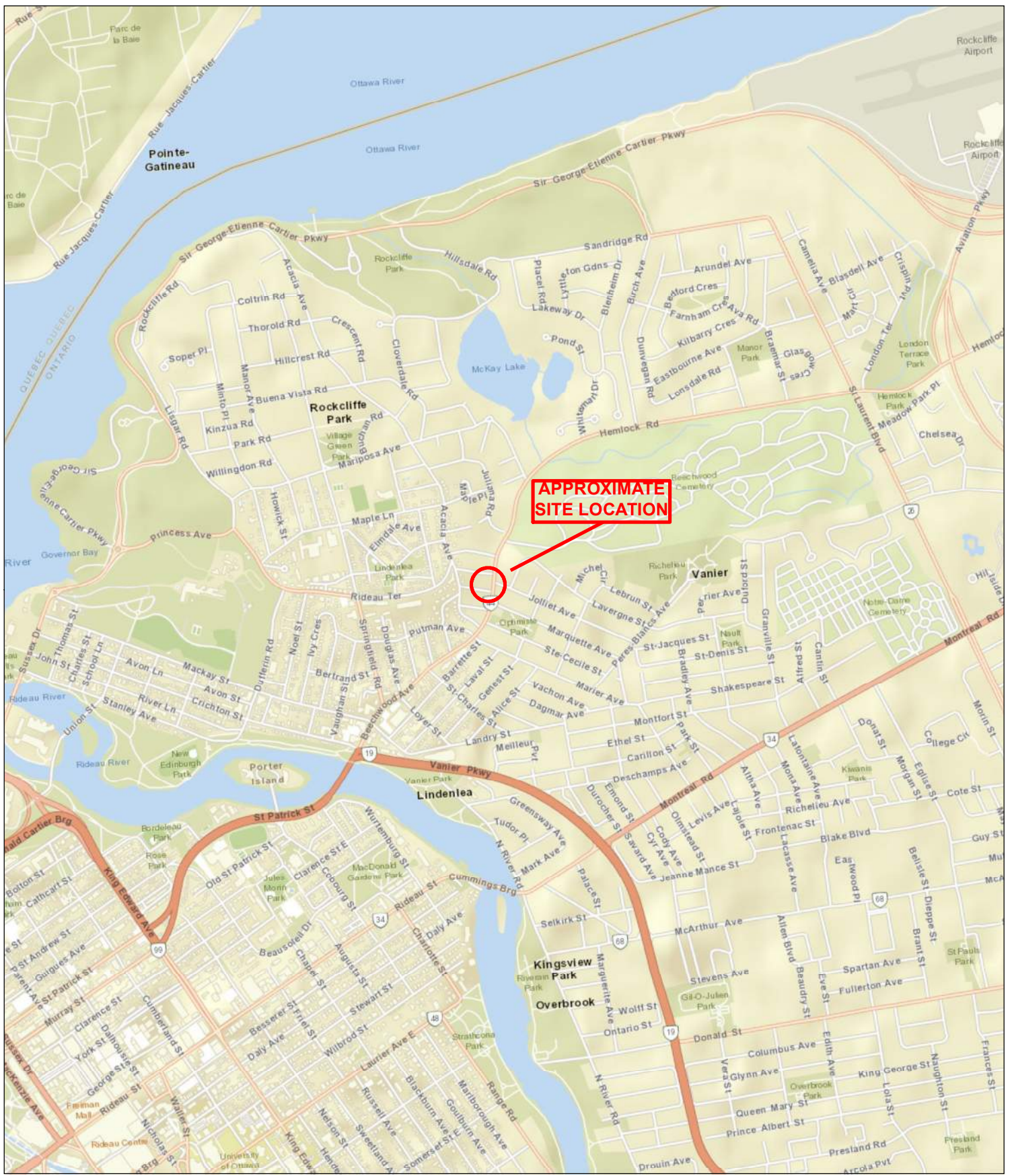


Leah Wells, EIT
Environmental Engineer-in-Training
Environmental Services



Mark McCalla, P.Geo.
Senior Geoscientist
Environmental Services

Appendix A – Figures



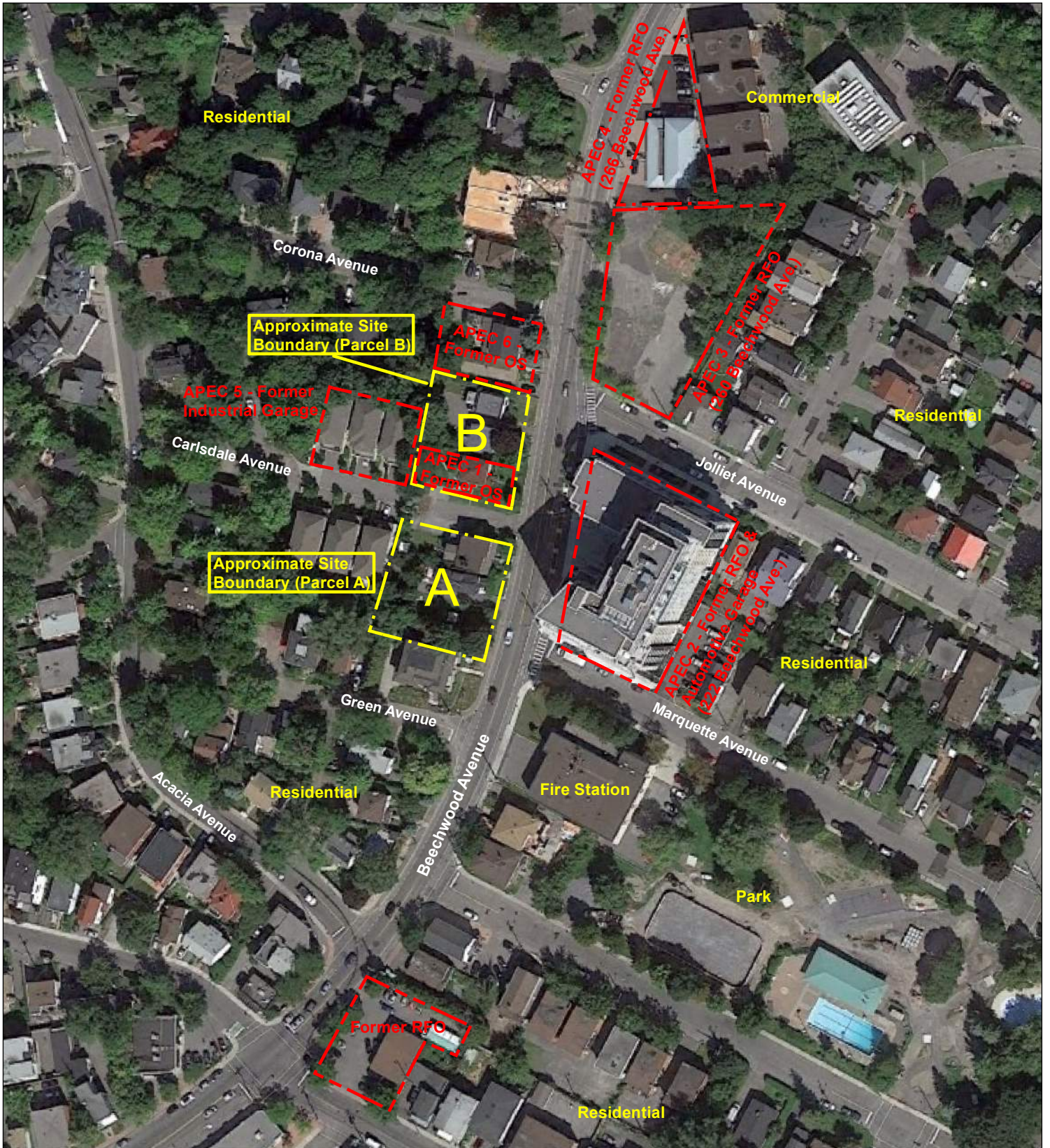
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PROJECT TITLE:
**PHASE ONE ENVIRONMENTAL
 SITE ASSESSMENT**
 229-231, 241-247 Beechwood Avenue
 Ottawa, Ontario

DRAWING TITLE:
SITE LOCATION PLAN

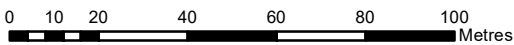
PROJECT No.:
 OTT-00238207-C0
 SCALE:
 AS SHOWN
 DATE:
 July 2020

DWN:
 SL
 CHKD:
 CK
 FIG. No.:
 1



Legend

- - - Approximate Site Boundary
- - - Area of Potential Environmental Concern
- RFO = retail fuel outlet
- OS = oil spill

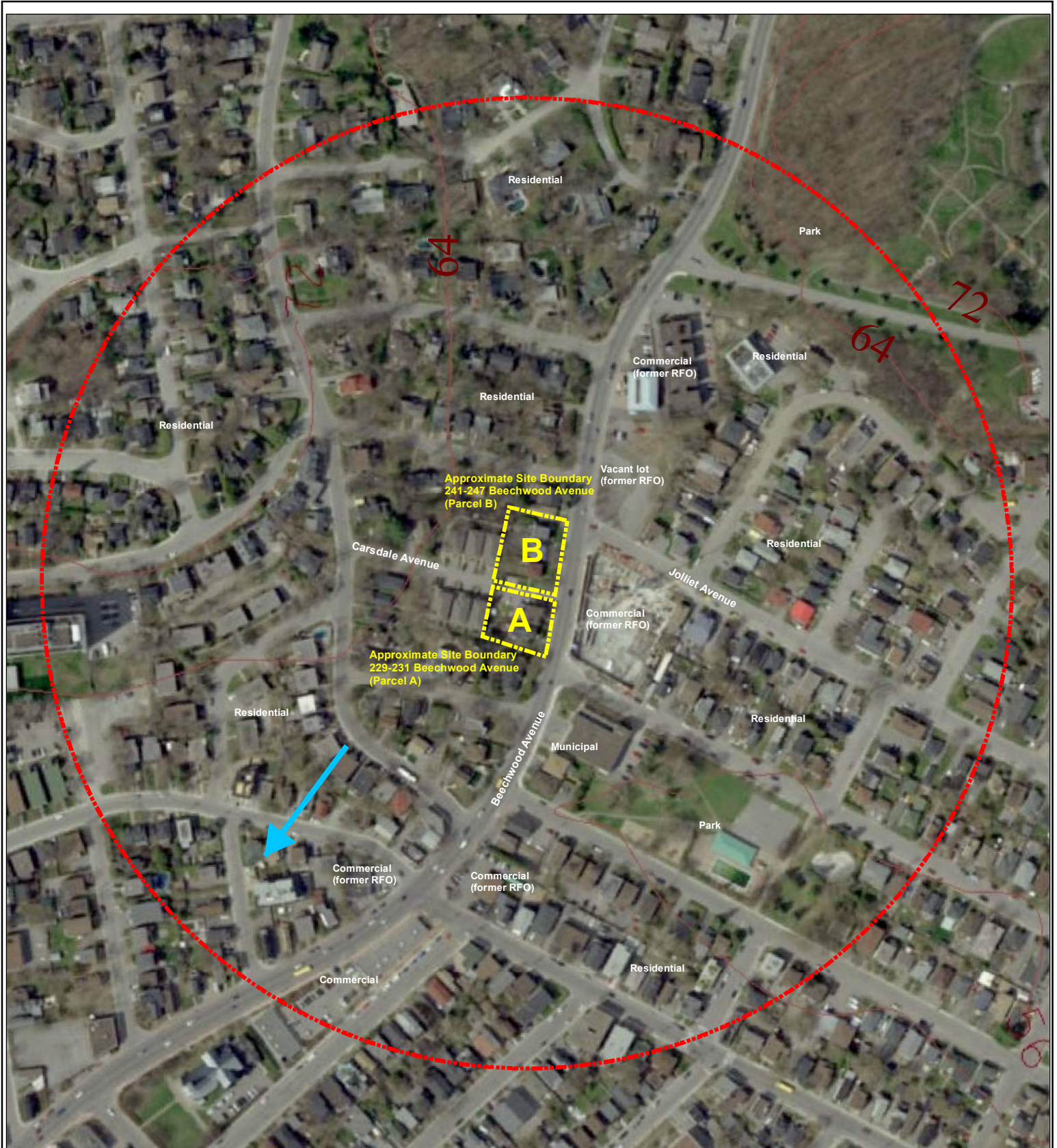


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 100-2650 Queensview Drive
 Ottawa, Ontario
 K2B 8H6
 T - (613) - 688-1899
 F - (613) - 225-7337

PROJECT TITLE:
**PHASE ONE ENVIRONMENTAL
 SITE ASSESSMENT**
 229-231, 241-247 Beechwood Avenue
 Ottawa, Ontario

DRAWING TITLE:
SITE PLAN

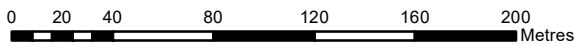
PROJECT No.:	DWN:
OTT-00238207-C0	SL
SCALE:	CHKD:
AS SHOWN	CK
DATE:	FIG. No.:
July 2020	2



Legend

- - - Approximate Site Boundary
- - - Phase One Study Area

Inferred Groundwater Flow Direction



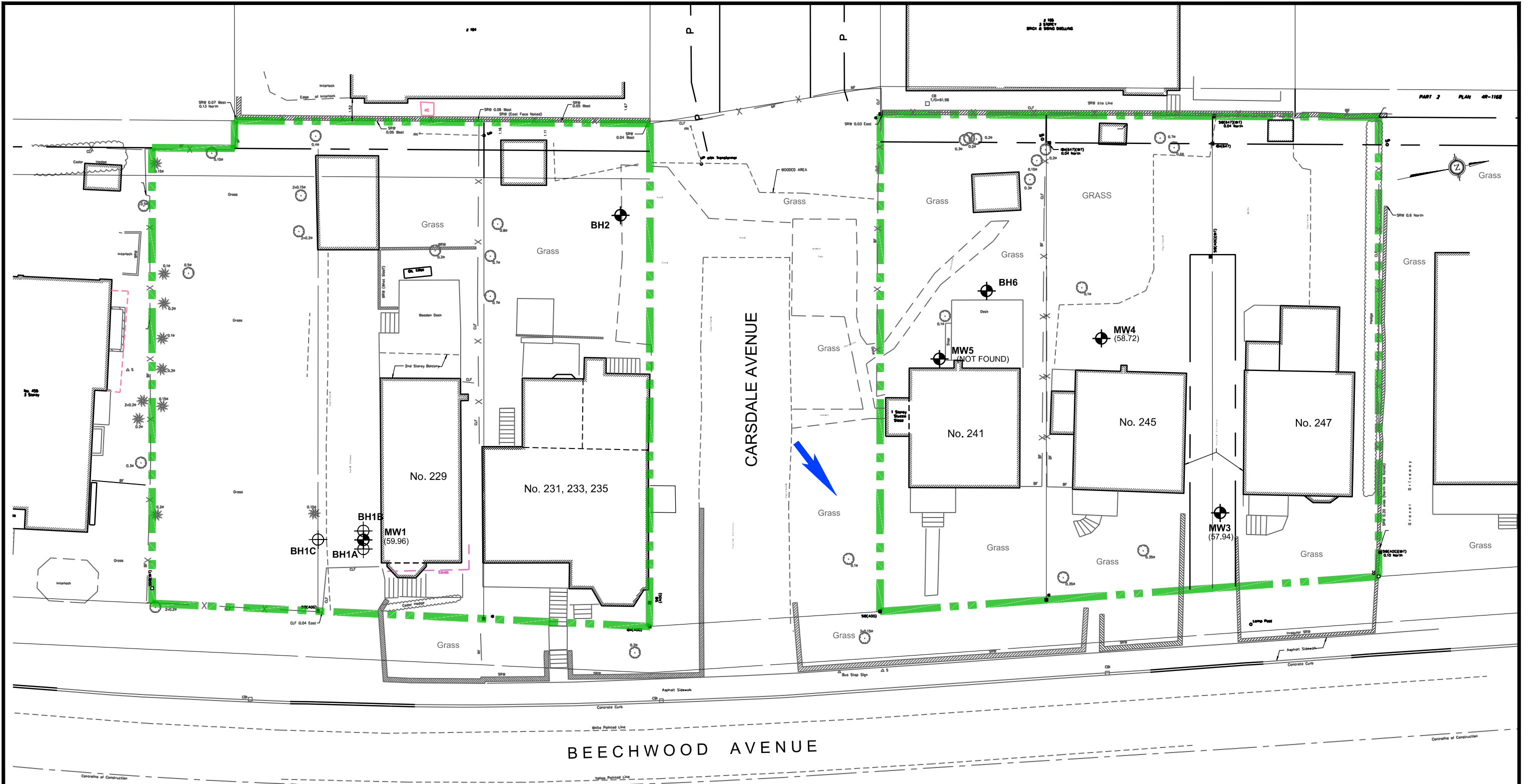
exp Services Inc.
 100-2650 Queensview Drive
 Ottawa, Ontario
 K2B 8H6
 T - (613) - 688-1899
 F - (613) - 225-7337

PROJECT TITLE:
**PHASE ONE ENVIRONMENTAL
 SITE ASSESSMENT**
 229-231, 241-247 Beechwood Avenue
 Ottawa, Ontario

DRAWING TITLE:
PHASE ONE STUDY AREA

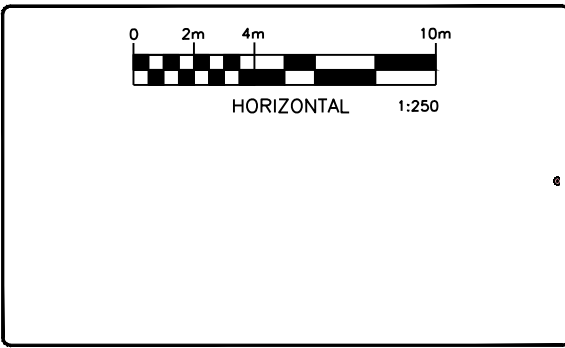
PROJECT No.:	DWN:
OTT-00238207-C0	SL
SCALE:	CHKD:
AS SHOWN	SD
DATE:	FIG. No.:
July 2020	3

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 Last Plotted: 7/27/2020 12:16:16 PM
 Pen Table: row standard, July 01, 2004.ctb
 Plotted by: ParkerM



LEGEND

- BH1**
(55.88) BOREHOLE NUMBER, LOCATION AND GROUNDWATER ELEVATION JULY 20, 2020
- BH1C** BOREHOLE NUMBER, LOCATION AUGUST 11, 2017
- INFERRED GROUNDWATER FLOW DIRECTION
- PROPERTY BOUNDARY





exp Services Inc.
 t: +1.613.688.1899 | f: +1.613.225.7337
 2650 Queensview Drive, Suite 100
 Ottawa, ON K2B 8H6
 Canada
 www.exp.com

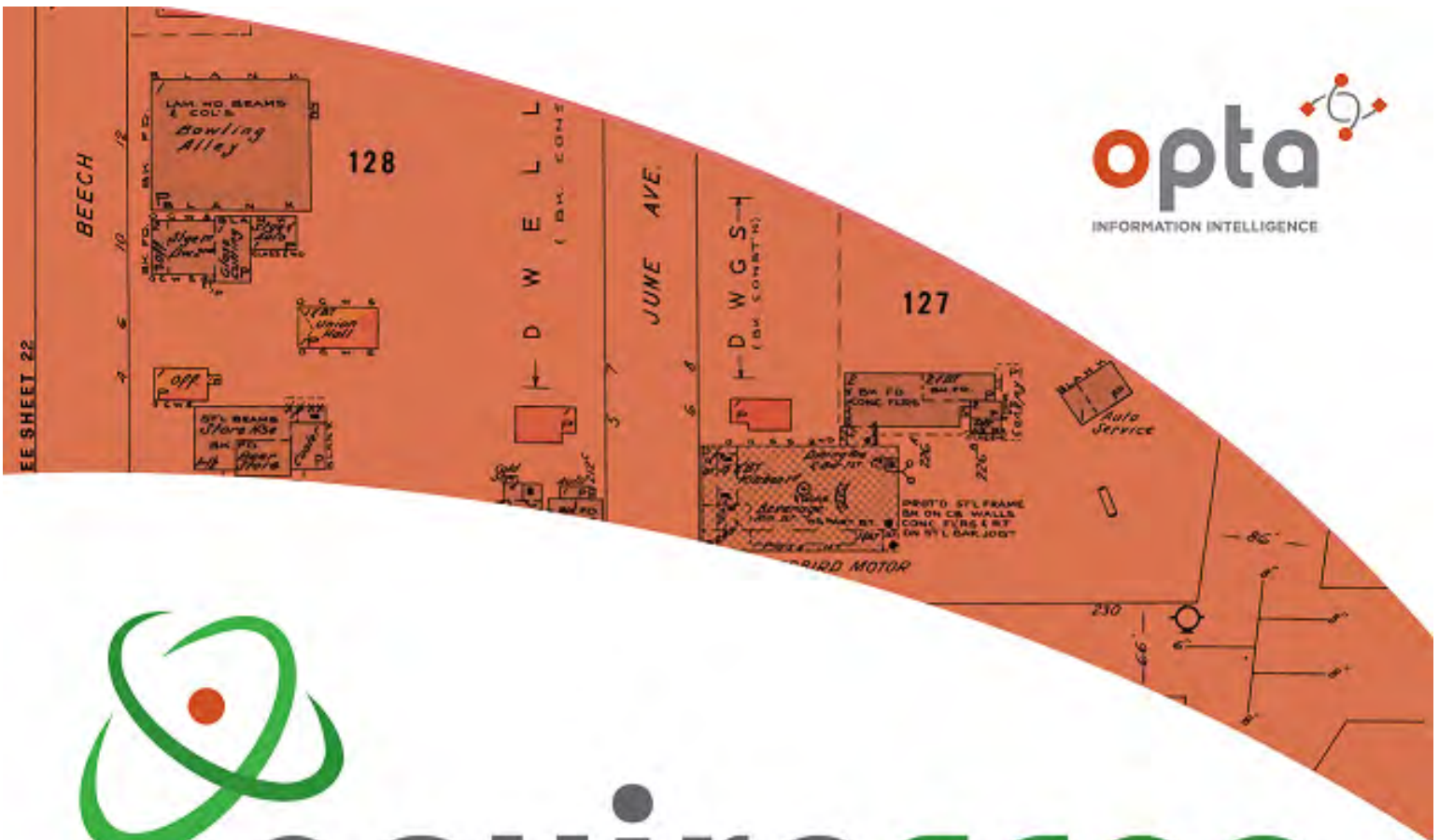
scale: 1:250
 date: JULY 2020
 drawn by: M.P.

CLIENT: **SMART LIVING PROPERTIES**
 TITLE: **GROUNDWATER CONTOURS**
 PHASE ONE ESA, PROPOSED RESIDENTIAL DEVELOPMENT,
 229 - 247 BEECHWOOD AVENUE, OTTAWA, ON

project no.
 OTT-00238207-C0
FIG 4

- BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
- INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

Appendix B – Fire Insurance Plans, Title Search, Municipal Records & Provincial Records



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Sunita

Site Address:

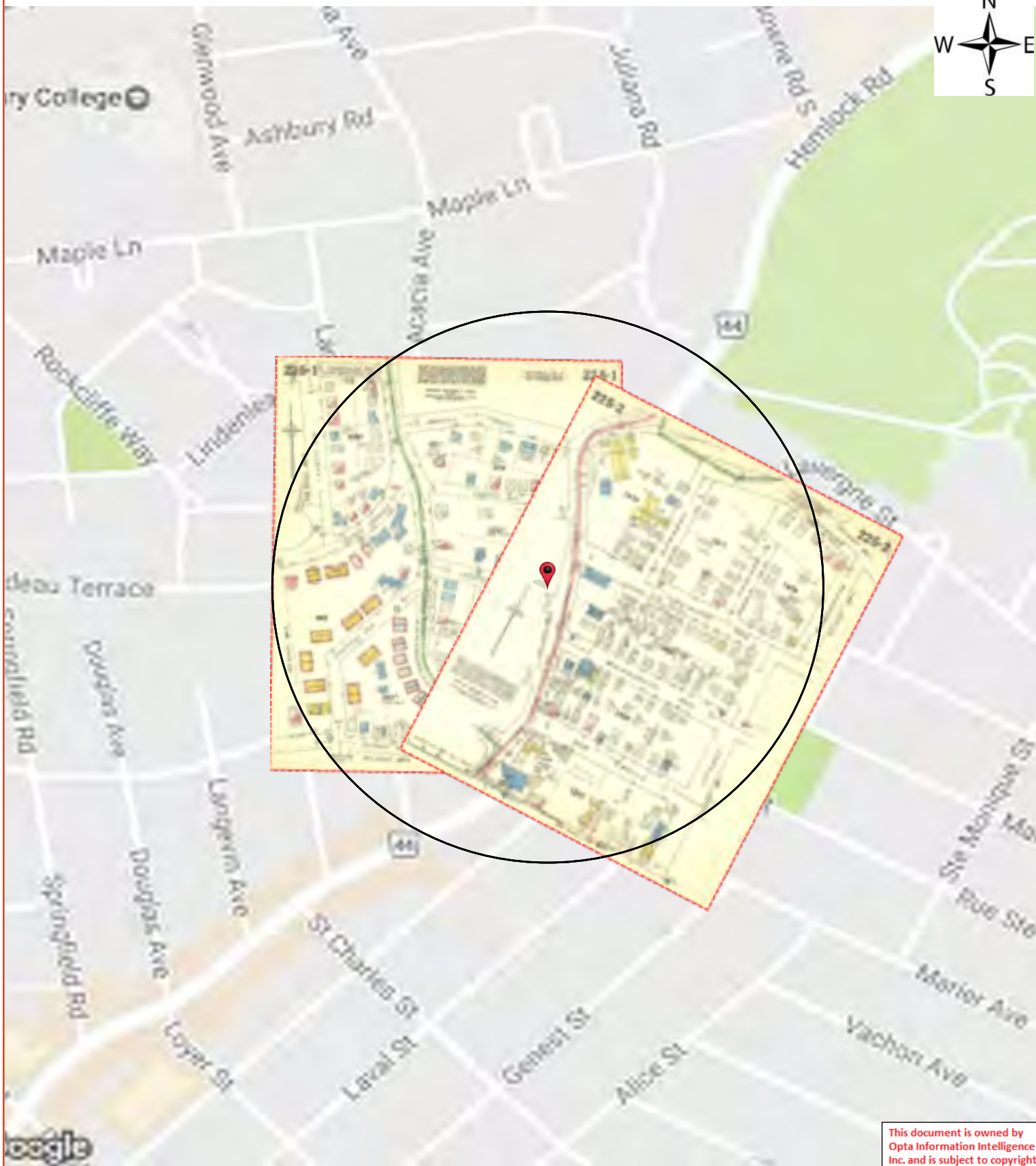
Beechwood Ave., Ottawa
Project No:

20170216035
Opta Order ID:

33295

Requested by:
Eleanor Goolab
ERIS

Date Completed:
3/3/2017 2:30:07 PM



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Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.



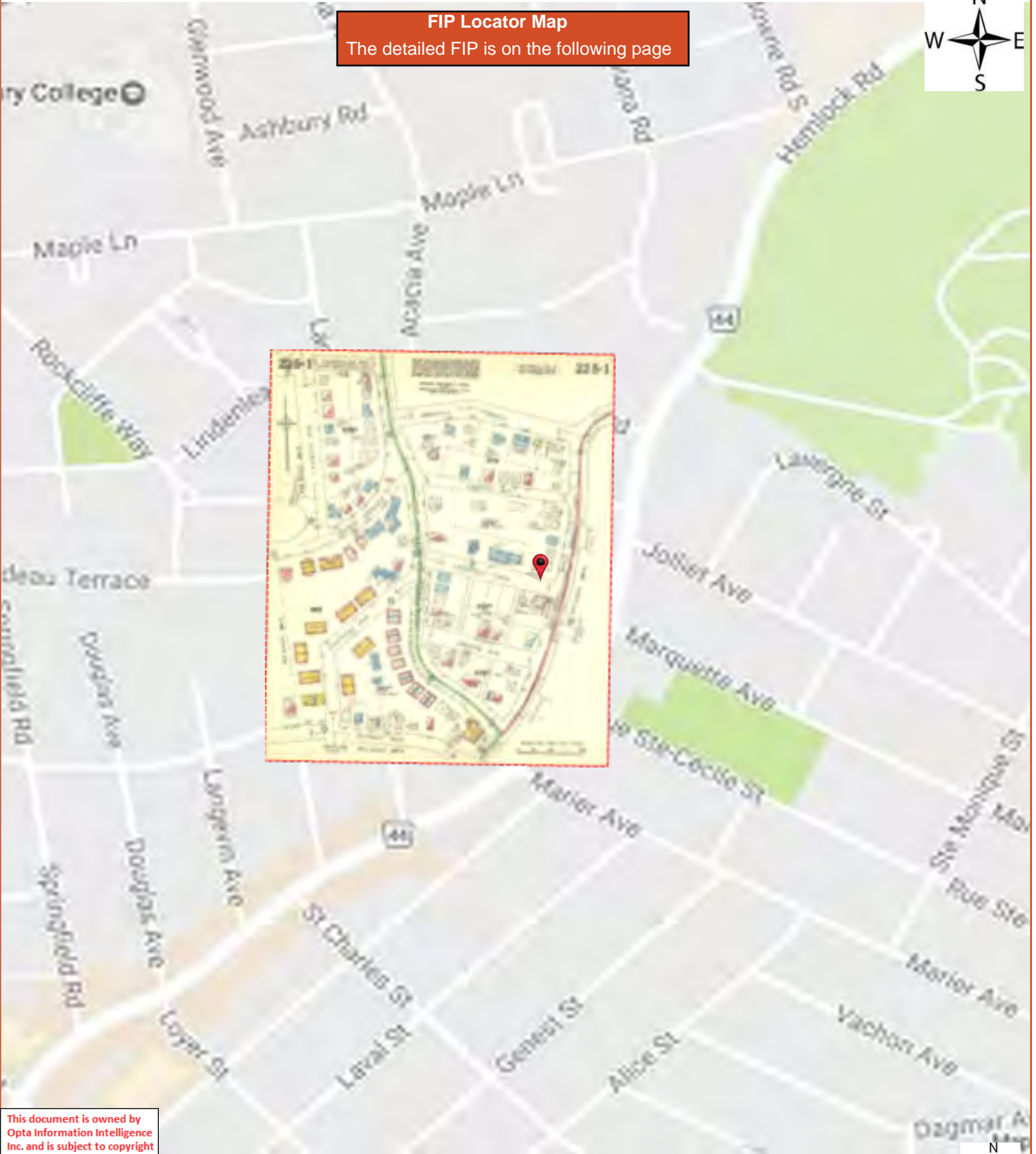
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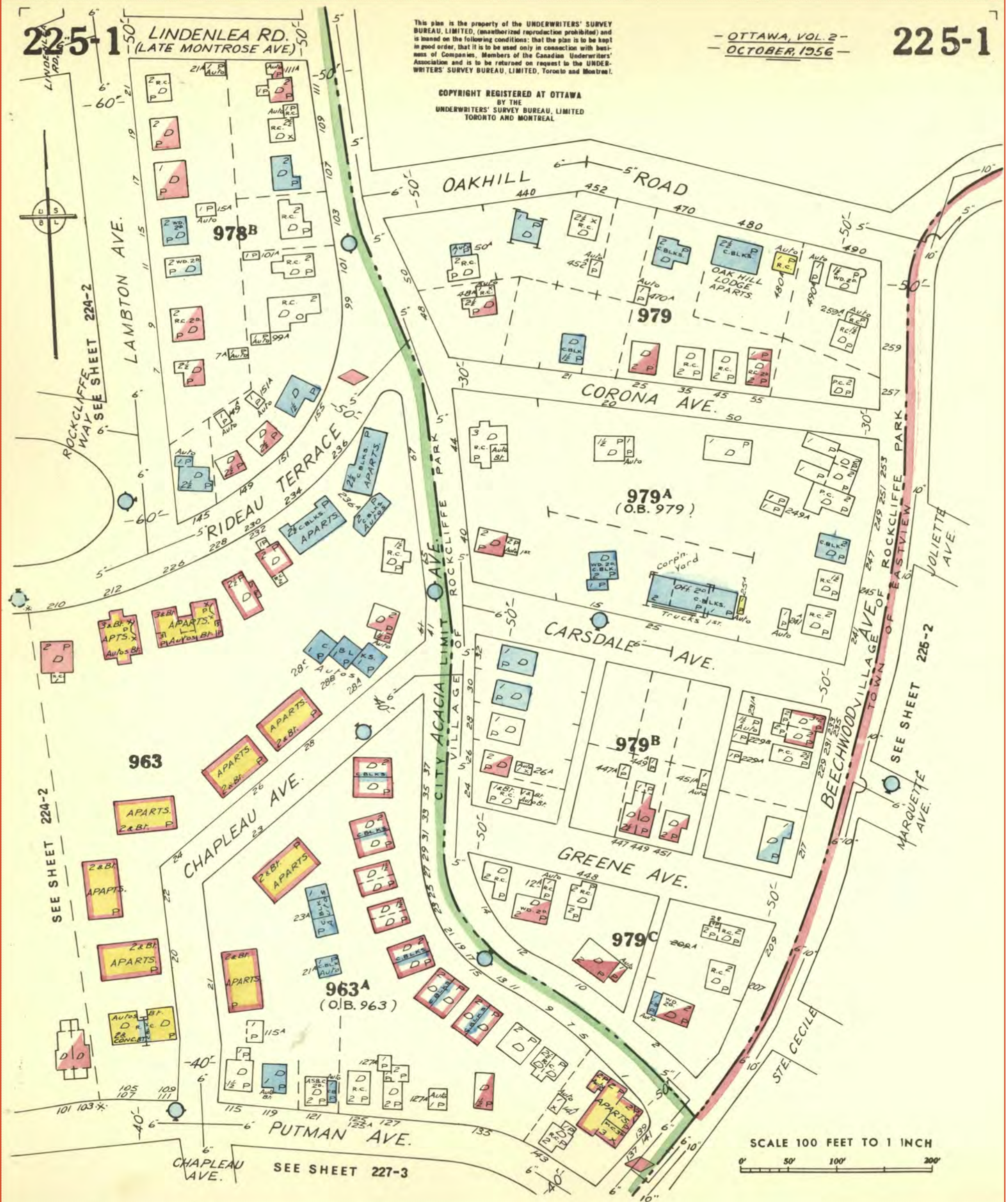
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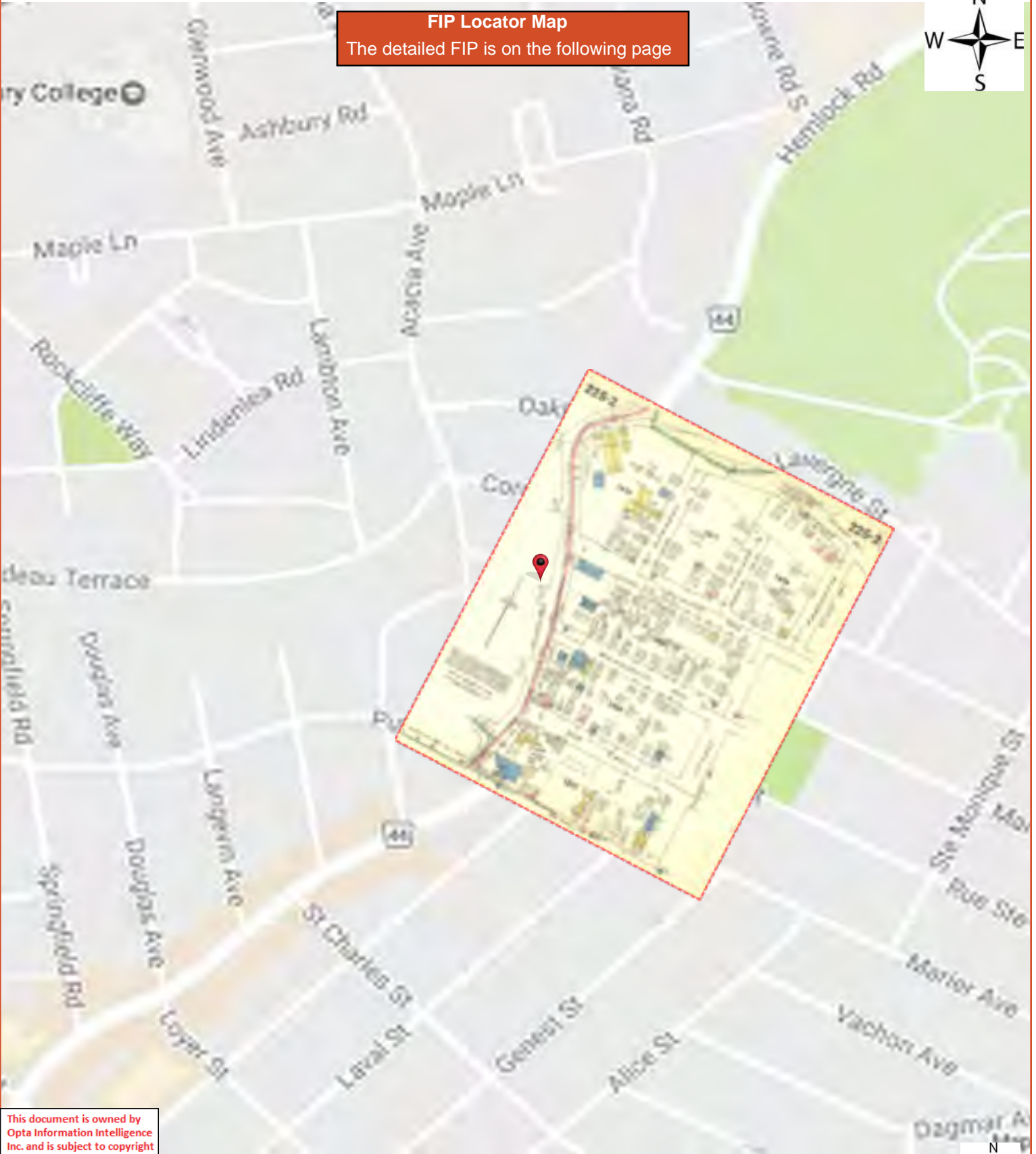
Requested by:
Eleanor Goolab
Date Completed: 03/03/2017 14:30:07

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6	(1958) Volume: Ottawa Volume 2 Firemap: 225-1
8	(1958) Volume: Ottawa Volume 2 Firemap: 225-2



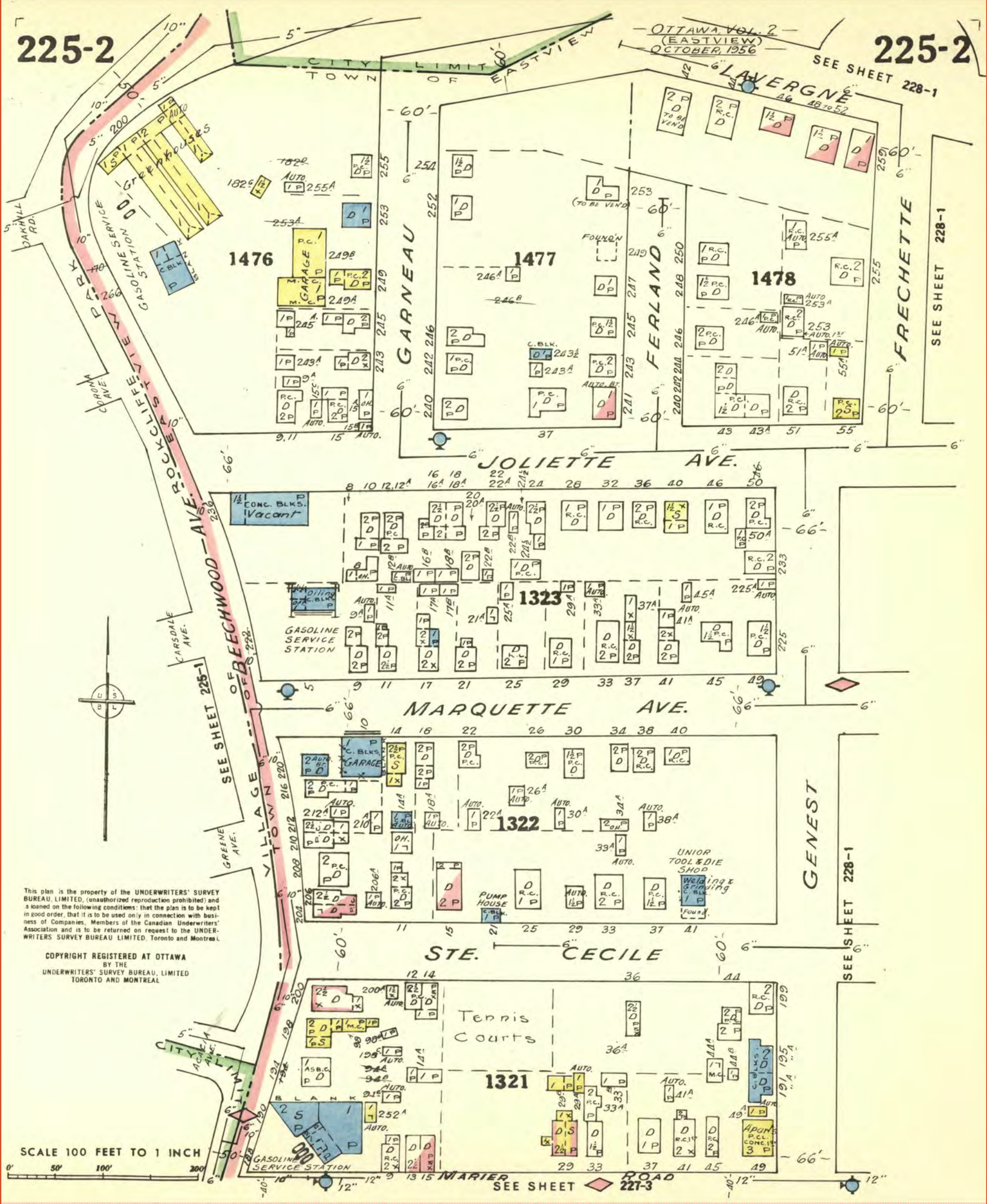






FIP Locator Map
The detailed FIP is on the following page





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READ Abstracts Limited

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Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

March 10, 2017

EXP Services.

Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

229 Beechwood
Lots 10 and 11, and Part Lane, Plan 4M30
PIN: 04226-0120
04226-0121

LAST REGISTERED OWNER: JANVEAU, Marion

CHAIN OF TITLE:

Deed GL1812 registered March 23, 1874
From George H. Preston to Thomas C. Keefer

Plan M22 registered June 6, 1910
By Thomas C. Keefer

Deed LT1483 registered April 18, 1911
From Thomas C. Keefer to George Carss

Deed LT1562 registered June 15, 1911
From George Carss to Rockliffe Property Company Limited

Plan M30 registered July 11, 1911
By Rockliffe Property Company Limited

Lot 10, Plan M30

Deed LT3054 registered October 16, 1913
From Rockliffe Property Company Limited to William Lemieux

Deed LT3917 registered December 24, 1914
From William Lemieux to Ida Lemieux

Lot 11, Plan M30

Deed LT4439 registered December 10, 1915
From Rockliffe Property Company Limited to Maurice Seguin

Deed LT5981 registered August 7, 1919
From Maurice Seguin to Edward Gagnon

Deed LT7043 registered May 20, 1920
From Edward Gagnon to Ida Lemieux

Lots 10 and 11, Plan M30

Transmission LT20604 registered October 21, 1938
From estate of Ida Lemieux to Jaochim Sauve

Deed LT22919 registered September 2, 1942
From Jaochim Sauve to Edward Hunt

Deed LT29841 registered August 27, 1948
From Edward hunt to Joseph Leon Proulx

Deed 72186 registered June 2, 1969
From Joseph Leon Proulx to Luc Tetu

Deed LT83896 registered March 16, 1972
From Luc Tetu to Marcel Robitaille

Deed LT83898 registered March 16, 1972
From Marcel Robitaille to Marcel Deschambault

Deed LT108240 registered August 30, 1974
From Marcel Deschambault to Raymond and Marion Janveau

Deed LT493514 registered February 16, 1987
From The Corporation of the Village of Rockliffe Park to Raymond and Marion Janveau
(being Part of the Lane closed by Order LT472512, registered 1987)

Survivorship OC1713755 registered August 20, 2015
Fom Raymond Janveau, estate to Marion Janveau.



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ENVIRONMENTAL SEARCH

March 10, 2017

EXP Services

Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

231 Beechwood Ave., Ottawa
Lot 12, and Part Lane, Plan 4M30
PIN: 04226-0122
04226-0123

LAST REGISTERED OWNER: GUERTIN, Stephane

CHAIN OF TITLE:

Deed GL1812 registered March 23, 1874
From George H. Preston to Thomas C. Keefer

Plan M22 registered June 6, 1910
By Thomas C. Keefer

Deed LT1483 registered April 18, 1911
From Thomas C. Keefer to George Carss

Deed LT1562 registered June 15, 1911
From George Carss to Rockliffe Property Company Limited

Plan M30 registered July 11, 1911
By Rockliffe Property Company Limited

Lot 12, Plan M30

Deed registered 1912 (cannot make out date)
From Rockliffe Property Company Limited to Flavian Giraldeau

Deed LT29864 registered October 8, 1948

From Flavian Giraldeau to Beatrice Lariviere

Tranmission LT290364 registered June 28, 1982
From estate of Beatrice Lariviere to Yvonne Ouellette

Deed LT301026 regsitered October 28, 1982
From Yvonne Ouellette to Rene and Jeanne Ouellette

Deed LT493513 regsitered Febraury 16, 1986
From The Corporation of the Village of Rockliffe Park to Rene and Jeanne Ouellette
(being Part of the Lane closed by Order LT472512, registered 1987)

Deed LT661230 registered March 1, 1990
From Rene and Jeanne Ouellette to Patrick Thomas Hennessy and Steven Williamson

Deed LT1334485 registered November 1, 2000
From Patrick Thomas Hennessy and Steven Williamson to Barbara Schultz and John
Verdon

Deed OC65656 registered May 1, 2002
From Barbara Schultz and John Verdon to Barbara Schultz

Deed OC895659 registered August 29, 2008
From Barbara Schultz to Stephane Guertin and Diane Fortin

Vesting Order OC906397 regsitered September 23, 2008
To Stephane Guertin and Diane Fortin
(being Part of Lane)

Deed OC1121874 regsitered June 18, 2010
From Stephane Guertin and Diane Fortin to Stephane Guertin



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ENVIRONMENTAL SEARCH

May 2, 2017

EXP Services
Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

241 Beechwood Ave., Ottawa
Lot 24, Plan 4M30
Part Lane, Plan 4M30, part 3 on 4R1168
PIN: 04226-0136
04226-0166

LAST REGISTERED OWNER: HADWEN, Wendy
GWOZDECKY, Mark JT

CHAIN OF TITLE:

Deed GL1812 registered March 23, 1874
From George H. Preston to Thomas C. Keefer

Plan M22 registered June 6, 1910
By Thomas C. Keefer

Deed LT1483 registered April 18, 1911
From Thomas C. Keefer to George Carss

Deed LT1562 registered June 15, 1911
From George Carss to Rockliffe Property Company Limited

Plan M30 registered July 11, 1911
By Rockliffe Property Company Limited

Lot 24, Plan M30

Deed 7473 registered 1920 (cannot make out date)
From Rockliffe Property Company Limited to Charles Henry Keefer and Thomas C. Keefer

Deed LT14561 registered July 8, 1929
From Charles Henry Keefer and Thomas C. Keefer to Charles Osborne and Alan Christy Flemming

Deed LT33017 registered March 7, 1950
From Charles Osborne and Alan Christy Flemming to Roger Bourcier

Transmission Application LT63982 registered October 22, 1965
From Estate of Roger Bourcier to Maria Bourcier

Deed LT165974 registered October 28, 1977
From Maria Bourcier to Donald Roderick MacNeil and Margaret Isabel MacNeil

Deed LT736694 registered August 30, 1991
From Estate of Donald Roderick MacNeil to Donna Elizabeth Kearns and Peter Thomas Gaby

Deed OC468701 registered June 1, 2005
From Peter Thomas Gaby and Donna Elizabeth Kearns to Wendy Hadwen to Mark Gwozdecky

Lane, Plan 4M30

Deed LT134494 registered July 12, 1976
From The Corporation of the Village of Rickliffe Park to Maria Bourcier

Deed LT165974 registered October 28, 1977
From Maria Bourcier to Donald Roderick MacNeil and Margaret Isabel MacNeil

Deed LT736694 registered August 30, 1991
From Estate of Donald Roderick MacNeil to Donna Elizabeth Kearns and Peter Thomas Gaby

Deed OC468701 registered June 1, 2005
From Peter Thomas Gaby and Donna Elizabeth Kearns to Wendy Hadwen to Mark Gwozdecky



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ENVIRONMENTAL SEARCH

March 22, 2017

EXP Services

Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

245 Beechwood Ave., Ottawa
Lot 25, and Part Lane, Plan 4M30
PIN: 04226-0137
04226-0167

LAST REGISTERED OWNER: BRENNAN, EDMUND MAC
BROTEN, CLARA EMELIA

CHAIN OF TITLE:

Deed GL1812 registered March 23, 1874
From George H. Preston to Thomas C. Keefer

Plan M22 registered June 6, 1910
By Thomas C. Keefer

Deed LT1483 registered April 18, 1911
From Thomas C. Keefer to George Carss

Deed LT1562 registered June 15, 1911
From George Carss to Rockliffe Property Company Limited

Plan M30 registered July 11, 1911
By Rockliffe Property Company Limited

Lot 12, Plan M30

Deed 7473 registered 1920 (cannot make out date)
From Rockliffe Property Company Limited to Charles Henry Keefer and Thomas C. Keefer

Deed LT14561 registered July 8, 1929
From Charles Henry Keefer and Thomas C. Keefer to Charles Osborne and Alan Christy
Flemming

Deed LT33018 registered March 7, 1950
From Charles Osborne and Alan Christy Flemming to Lucien Lefebvre

Deed LT39517 registered February 4, 1954
From Lucien Lefebvre to Jean-Yvon Gravel

Deed LT134495 registered July 12, 1976
From The Corporation of the Village of Rickcliffe Park to Jean-Yvon Gravel
(being Part of Lane closed by Bylaw LT113018)

Deed LT513058 registered June 30 , 1987
From Jean-Yvon Gravel to Claude Rene Fortier and Kathryn Anne Savage

Deed LT804168 registered November 16, 1992
From Claude Rene Fortier and Kathryn Anne Savage to Edmund Mac Brennan and Clara
Emelia Broten



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ENVIRONMENTAL SEARCH

March 22, 2017

EXP Services

Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

247 Beechwood Ave., Ottawa
Lot 26, and Part Lane, Plan 4M30
PIN: 04226-0138
04226-0168

LAST REGISTERED OWNER: BOISVERT, DONALD H.

CHAIN OF TITLE:

Deed GL1812 registered March 23, 1874
From George H. Preston to Thomas C. Keefer

Plan M22 registered June 6, 1910
By Thomas C. Keefer

Deed LT1483 registered April 18, 1911
From Thomas C. Keefer to George Carss

Deed LT1562 registered June 15, 1911
From George Carss to Rockliffe Property Company Limited

Plan M30 registered July 11, 1911
By Rockliffe Property Company Limited

Lot 12, Plan M30

Deed 7952 registered 1920 (cannot make out date)
From Rockliffe Property Company Limited to William A. Schroeder

Tax Deed LT14588 registered July 19, 1929
From The County of Carleton to Rodolphe Chevrier

Deed LT14881 registered November 20, 1929
From Rodolphe Chevrier to Mary Schroeder

Tax Deed LT28494 registered December 23, 1947
From County of Carleton to Michael William Sandusky

Deed LT28517 registered January 6, 1948
From Michael William Sandusky to Sydney Fish

Deed LT29622 registered August 24, 1948
From Sydney Fish to Roland Gagnon

Deed LT29947 registered October 21, 1948
From Roland Gagnon to Emile Larabie and Aldea Larabie

Deed LT36989 registered June 4, 1952
From Emile Larabie and Aldea Larabie to Jean Robert Gougeon and Aline Gougeon

Deed LT52320 registered July 22, 1960
From Jean Robert Gougeon and Aline Gougeon to Charles E. Elvins

Deed LT52570 registered July 22, 1960
From Charles E. Elvins to Lucien Letourneau

Deed LT64922 registered April 15, 1966
From Lucien Letourneau to Donald H. Boisvert

Deed LT135496 registered July 12, 1976
From The Corporation of the Village of Rockliffe Park to Donald H. Boisvert
(being part of lane closed by Bylaw LT113018)

City Directory Information Source	
Vernon's Ottawa, Ontario, City Directory	
PROJECT NUMBER: 20170216035	
Site Address:	Beechwood Avenue, Ottawa, Ontario
Year: 2011	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 131-Bridgehead Coffee -Details Home Apparel Ltd 137-Dale Smith Gallery 139-Jacobsons 156-Doctor's Office 160-Subway Sandwiches 176-Benjamin Moore Paints 186-Mood Moss Flowers 196-Burton's Dive Service 200-Doctor's Office
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 134-Centre Psycho-Social 140-Creations En Vivo -Federation De La Jeunesse Franco-Ontarienne -Conseil Des Ecoles Publique 226-Serge Zimola Construction Inc
Green Avenue (All)	-All Residential

Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Fresh Grocer
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Promotion Ltd 30-Studio Four30
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential 200-Catalyst Languages School -E-Spyder -Wise Holdings -Tass News Agency -Rexall Pharma Plus -Asbestos Ottawa
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 2005/06	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 156-Doctor's Office 170-Pet Valu Discount Pet Foods 176-Gourmet Canada Inc 178-Beechwood Optometry 186-Mood Moss Flowers 188-Beechwood Canada Service Stn Inc 196-Burton's Dive Service 200-Doctor's Office 222-Royal Shine Car Wash -Esso Service Centre -Rust Check
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential

Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 134-Centre Psycho-Social 226-Serge Zimola Construction Inc
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Promotion Ltd
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential 200-Activa Physiotherapy -Tass News Agency
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 2000/01	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 160-Daoust Paul Construction Ltd 188-Beechwood Canada Service Stn Inc 196-Burton's Dive Service 200-Baco Restaurant and Wine Bar 222-Royal Shine Car Wash -Esso Service Centre
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential

Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 135-Centre Psycho-Social
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Promotion Ltd
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential 200-Activa Physiotherapy -Tass News Agency
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1995/96	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 188-Beechwood Canada Service Stn Inc 196-Venezia Pizza & Burger -Alphonso's Pizza 200-Geraldo's Ristorante Italiano 222-Rust Check Centre -Esso Service Centre
Acacia Avenue (1-110)	-All Residential 1-Rockcliffe Enterprises Inc
Barrette Street (150-180)	-All Residential 150-Jobin Design Construction 170-Burtonshaw & Associates
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential 23-Ontario Archaeological Consulting Services

Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential 253-Jonas E R Bldg Restoration Ltd
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 135-Centre Psycho-Social
Green Avenue (All)	-All Residential 449-Carlinton Roofing Ltd 455-Eastern Standard
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential 45-Bradley-Kelly Construction Utilities Ltd -Goode-X Equipment Rental Ltd -Irish Society of Ottawa
Marier Avenue (1-50)	-All Residential 29-Regimbald Promotion Ltd 30-Mini Mart
Marquette Avenue (1-60)	-All Residential 45-Harlequin Student Painters
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential 200-Tass News Agency's
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1988/89	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 188-Beechwood Canada Service Stn Inc 198-Venezia Pizza & Burger 220-Fire Station 222-Esso Service Centre

Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential 45-Bradley-Kelly Construction Utilities Ltd
Marier Avenue (1-50)	-All Residential 9-Barber Shop 29-Regimbald Promotion Ltd
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1984	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 188-B P Garage 198-Venezia Pizza 200-Interprovincial Plumbing & Heating Ltd 222-ESSO Service Centre
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential

Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential 45-Bradley-Kelly Construction Utilities Ltd
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-Marier Market
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1980	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 188-B P Garage 198-Venezia Pizza 200-Interprovincial Plumbing & Heating Ltd 222-ESSO Service Centre
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential

Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential 45-Bradley-Kelly Construction Utilities Ltd
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-Marier Market
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1975	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 188-B P Garage 198-Venezia Pizza 222-ESSO Service Centre 260-Gulf Service Station
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed

Jolliet Avenue (1-65)	-All Residential 40-Lucky Dollar
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-Marier Market
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1969	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 130-Church 131-Rockcliffe Motors Auto 141-Caris Gift Shop 160-Cercle Social St Charles Club 188-B P Garage 222-ESSO Service Centre 260-Gulf Service Station
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential
Laval Street (150-180)	-All Residential

Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-I G A Supermarket
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1965	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 130-Church 188-Beechwood B P Station Serv Stn 194-Ray's Snack Bar 222-Esso Service Station 260-Leo's BA Service Station 131-Rockcliffe Motors 141-Caris Gift Shop
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-I G A Supermarket

Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1960	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 131-Hurt Milt Motors Ltd 141-Caris Gift Shop 130-Church 188-Beechwood B P Station Serv Stn 222-Hurd's Service Stn 260-Leo's BA Service Station
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-I G A Supermarket
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential

Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1954	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 131-Linden Motors 141-Caris Gift Shop 188-Arbour's Service Station 190-Linden Hardware 222-Hurd's Service Stn
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-All Residential
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-All Residential
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential 140-Ottawa Separate School Board
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-All Residential
Marier Avenue (1-50)	-All Residential 29-Regimbald Jewellery Store 30-I G A Supermarket
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1949	
Site Listing:	-No Civic Address
Adjacent Properties:	

Beechwood Avenue (130-265)	-All Residential 131-Linden Motors 141-Rolly's Handy Store 188-Arbour's Service Station 236-Rockcliffe Riding Club
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-All Residential
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-All Residential
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-All Residential
Genest Street (All)	-All Residential
Green Avenue (All)	-All Residential
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-All Residential
Laval Street (150-180)	-All Residential
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-No Listings Within Radius
Marquette Avenue (1-60)	-All Residential
Oakhill Road (All)	-All Residential
Putman Avenue (110-130)	-All Residential
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1945	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 141-Butternut Sweets 200-Frith's Flowers
Acacia Avenue (1-110)	-All Residential
Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed

Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-No Listings Within Radius
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1941	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 141-Butternut Sweets 200-Frith's Flowers
Acacia Avenue (1-110)	-No Listings Within Radius
Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed

Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-No Listings Within Radius
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1936	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential 141-Butternut Sweets 162-Cardinal Riding School 200-Frith's Flowers
Acacia Avenue (1-110)	-No Listings Within Radius
Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-Street Not Listed
Rideau Terrace (140-240)	-All Residential
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1929	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential
Acacia Avenue (1-110)	-Street Not Listed

Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-Street Not Listed
Rideau Terrace (140-240)	-Street Not Listed
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1924	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential
Acacia Avenue (1-110)	-Street Not Listed
Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed

Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-Street Not Listed
Rideau Terrace (140-240)	-Street Not Listed
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1920	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-All Residential
Acacia Avenue (1-110)	-Street Not Listed
Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-Street Not Listed
Rideau Terrace (140-240)	-Street Not Listed
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1914	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-No Listings Within Radius
Acacia Avenue (1-110)	-Street Not Listed

Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed
Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-Street Not Listed
Rideau Terrace (140-240)	-Street Not Listed
Rue Ste-Cecille Street (40-60)	-Street Not Listed
Year: 1910	
Site Listing:	-No Civic Address
Adjacent Properties:	
Beechwood Avenue (130-265)	-No Listings Within Radius
Acacia Avenue (1-110)	-Street Not Listed
Barrette Street (150-180)	-Street Not Listed
Carsdale Avenue (All)	-Street Not Listed
Chapleau Avenue (All)	-Street Not Listed
Corona Avenue (All)	-Street Not Listed
Ferland Street (All)	-Street Not Listed
Frechette Street (All)	-Street Not Listed
Garneau Street (All)	-Street Not Listed
Genest Street (All)	-Street Not Listed
Green Avenue (All)	-Street Not Listed
Hector-Hotte Way (All)	-Street Not Listed
Jolliet Avenue (1-65)	-Street Not Listed
Laval Street (150-180)	-Street Not Listed

Lavergne Street (1-60)	-Street Not Listed
Marier Avenue (1-50)	-Street Not Listed
Marquette Avenue (1-60)	-Street Not Listed
Oakhill Road (All)	-Street Not Listed
Putman Avenue (110-130)	-Street Not Listed
Rideau Terrace (140-240)	-Street Not Listed
Rue Ste-Cecille Street (40-60)	-Street Not Listed

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

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



July 17, 2020

VIA FACSIMILE:
416-314-4285

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

Re: OTT-00238207-C0 **File Review Request**
241 Beechwood Avenue, Ottawa, Ontario

Dear Sir or Madam:

I am sending a Freedom of Information Request to you for 241 Beechwood Avenue, 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'.

Kathy Radisch
Administrative Assistant
Earth & Environment

Enclosures: FOI Form
Credit Card Payment Form

EXP Services Inc.
Smart Living Properties
Phase One Environmental Site Assessment
229-231, 241-247 Beechwood Avenue, Ottawa, Ontario
OTT-0023820-C0
July 29, 2020

Appendix C – Ecolog ERIS Report





DATABASE REPORT

Project Property: *Phase I ESA
229-241 Beechwood
Rockcliffe Park ON K1M 1L2*

Project No: *OTT-00238207-C0*

Report Type: *Standard Report*

Order No: *20200714007*

Requested by: *exp Services Inc.*

Date Completed: *July 17, 2020*

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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
229-241 Beechwood Rockcliffe Park ON K1M 1L2*

Project No: *OTT-00238207-C0*

Coordinates:

Latitude: *45.4436613*
Longitude: *-75.670767*
UTM Northing: *5,032,456.27*
UTM Easting: *447,542.90*
UTM Zone: *18T*

Elevation: *193 FT
58.93 M*

Order Information:

Order No: *20200714007*
Date Requested: *July 14, 2020*
Requested by: *exp Services Inc.*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	3	3
CA	<i>Certificates of Approval</i>	Y	0	3	3
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	17	17
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	17	17
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	21	21
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	3	3
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	20	20
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	2	2
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	1	1

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
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	2	2
RST	Retail Fuel Storage Tanks	Y	0	2	2
SCT	Scott's Manufacturing Directory	Y	0	6	6
SPL	Ontario Spills	Y	1	14	15
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	8	8
Total:			1	127	128

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	SPL	PRIVATE OWNER	241 BEECHWOOD AVE. STORAGE TANK/BARREL ROCKCLIFFE PARK VILL. ON K1M 1L2	-/0.0	-1.05	34

Executive Summary: Site Report Summary - Surrounding Properties

<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>
2	EHS		Beechwood Ave Ottawa ON	NNE/2.9	-1.05	34
3	PRT	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L8A7	SE/38.7	-2.62	34
3	RST	KAVANAUGH'S ESSO SERVICE CENTRE	222 BEECHWOOD AVE VANIER ON K1L 8A7	SE/38.7	-2.62	35
3	FSTH	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	35
3	FSTH	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	35
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	36
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	37
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	37
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE/38.7	-2.62	37
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE/38.7	-2.62	37
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE/38.7	-2.62	38
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE/38.7	-2.62	38

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE/38.7	-2.62	<u>38</u>
<u>3</u>	PTTW	The Kavanaugh on Beechwood Inc.	222 Beechwood Avenue, Ottawa, Ontario + + + + 9 Marquette Avenue, Ottawa, Ontario + + + + 8 Jolliet Avenue, Ottawa, Ontario CITY OF OTTAWA ON	SE/38.7	-2.62	<u>38</u>
<u>3</u>	PTTW	The Kavanaugh on Beechwood Inc.	222 Beechwood Ave, Including the area bound by 9 Marquette Avenue and 8 Jolliet Avenue, Ottawa CITY OF OTTAWA ON	SE/38.7	-2.62	<u>39</u>
<u>3</u>	GEN	KAVANAUGH'S ESSO	222 BEACHWOOD AVE VANIER ON	SE/38.7	-2.62	<u>39</u>
<u>3</u>	FST	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	<u>39</u>
<u>3</u>	FST	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	<u>40</u>
<u>3</u>	FST	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	<u>40</u>
<u>3</u>	RSC	THE KAVANAUGH ON BEECHWOOD INC.	222 BEECHWOOD AVENUE, OTTAWA, ON K1L 8A7 Ottawa ON	SE/38.7	-2.62	<u>40</u>
<u>3</u>	RST	KAVANAUGH'S ESSO SERVICE CENTRE	222 BEECHWOOD AVE VANIER ON K1L8A7	SE/38.7	-2.62	<u>42</u>
<u>3</u>	GEN	Domicile Developments INC.	222 Beechwood Avenue Ottawa ON	SE/38.7	-2.62	<u>42</u>
<u>3</u>	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	<u>42</u>
<u>3</u>	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	<u>42</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	43
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	43
3	EXP	KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE/38.7	-2.62	43
3	PINC		222 Beechwood, Ottawa ON	SE/38.7	-2.62	43
3	INC		222 BEECHWOOD AVENUE, OTTAWA ON	SE/38.7	-2.62	44
4	GEN	ROCKCLIFF PARK, VILLAGE OF 33-857	25 CARSDALE AVE. ROCKCLIFFE ON K1M 1J7	WSW/46.6	0.30	45
4	RSC	Uniform Urban Developments Ltd.	25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Rockcliffe ON K1M 1J7	WSW/46.6	0.30	45
4	CA	Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON	WSW/46.6	0.30	45
4	ECA	Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON K2G 5X3	WSW/46.6	0.30	46
5	GEN	Ruth Kawfman	249 Beechwood Rockcliffe ON K1M 1L2	N/47.5	-1.08	46
6	SPL	Enbridge Gas Distribution Inc.	Beachwood and Marquette Ottawa ON	SSE/49.3	-3.16	46
7	HINC		101 BLACK MAPLE [PRIVATE] OTTAWA ON	WNW/50.3	0.47	47
8	WWIS		ON	E/55.6	-2.75	47

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7204623			
9	WWIS		ON	ENE/61.7	-2.52	48
			Well ID: 7292791			
10	EHS		455 Green Ave Ottawa ON	SSW/70.4	-1.75	49
11	EHS		447 Green Avenue Rockcliffe Park ON K1M 1L1	WSW/73.4	0.22	49
12	BORE		ON	NE/76.0	-1.39	49
13	SPL	Enbridge Gas Distribution Inc.	9 Jolliet Ave Ottawa ON	ENE/79.9	-3.08	51
14	GEN	City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE/84.4	-3.14	51
14	GEN	City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE/84.4	-3.14	51
14	GEN	City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE/84.4	-3.14	52
14	GEN	City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE/84.4	-3.14	52
14	GEN	City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE/84.4	-3.14	52
15	EHS		12 Jolliet Ave Ottawa ON K1L5H5	E/89.8	-3.39	53
16	BORE		ON	SSE/95.7	-3.14	53
17	EHS		259 Beechwood Ave Ottawa On Ottawa ON K1M1K6	N/98.7	-0.05	54

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	WWIS		ON <i>Well ID: 7295177</i>	ENE/109.8	-3.05	54
19	PINC		249 GARNEAU ST, VANIER ON	ENE/112.4	-3.18	55
20	EHS		266 Beechwood Ave Ottawa (formerly Vanier) ON K1L 8A6	NE/128.0	-2.05	55
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave Ottawa ON	NE/128.0	-2.05	56
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE/128.0	-2.05	56
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE/128.0	-2.05	56
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE/128.0	-2.05	57
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE/128.0	-2.05	57
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE/128.0	-2.05	58
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE/128.0	-2.05	58
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE/128.0	-2.05	58
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE/128.0	-2.05	59
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE/128.0	-2.05	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
20	GEN	Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE/128.0	-2.05	59
21	EHS		65 Acacia Ave Ottawa ON K1M0P5	W/131.2	9.31	60
22	WWIS		OTTAWA ON Well ID: 7291127	S/136.8	-1.99	60
23	WWIS		Ottawa ON Well ID: 7291126	SSW/137.9	-1.99	62
24	SPL		37 Jolliete Ave Ottawa ON	E/143.2	-3.05	65
25	EHS		196 Beechwood Ave Ottawa ON K1L8A9	S/150.9	-1.99	65
26	SPL	PRIVATE RESIDENCE	196 BEECHWOOD AVE FURNACE OIL TANK VANIER CITY ON K1L 8A9	S/150.9	-1.99	66
27	EHS		141 Beechwood Ave Ottawa ON K1M 1L4	SW/152.3	-0.97	66
28	SPL	PRIVATE RESIDENCE	243 FERIND STREET FURNACE OIL TANK VANIER CITY ON	E/156.0	-3.83	66
29	ECA	City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	SW/156.5	-0.04	67
29	ECA	City of Ottawa	Keefer St , (Keefer Street and River Lane) Ottawa ON K2G 6J8	SW/156.5	-0.04	67
29	ECA	The Corporation of the City of Ottawa	Ivy Crescent (MacKay to MacKay) Ottawa ON K1N 5A1	SW/156.5	-0.04	67
29	ECA	City of Ottawa	Avon Lane Ottawa ON K2G 6J8	SW/156.5	-0.04	68

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
29	ECA	City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	SW/156.5	-0.04	68
29	ECA	City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	SW/156.5	-0.04	68
29	ECA	The Regional Municipality of Ottawa-Carleton	Chapleau Putman and Langevin Ottawa ON K2P 2L7	SW/156.5	-0.04	68
29	ECA	The Regional Municipality of Ottawa-Carleton	Ivy Cres. Putman Ave. Bertrand St Ottawa ON K2P 2L7	SW/156.5	-0.04	69
29	ECA	City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	SW/156.5	-0.04	69
29	ECA	City of Ottawa	Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Ottawa ON K1P 1J1	SW/156.5	-0.04	69
29	ECA	City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K1P 1J1	SW/156.5	-0.04	69
29	ECA	City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	SW/156.5	-0.04	70
29	ECA	City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	SW/156.5	-0.04	70
29	ECA	City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	SW/156.5	-0.04	70
29	ECA	City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	SW/156.5	-0.04	70
30	SPL		259 Garneau Street Ottawa ON	ENE/161.5	-3.17	71

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
31	WWIS		Ottawa ON Well ID: 7196179	SSW/161.8	-0.97	71
32	SPL	Enbridge Gas Distribution Inc.	252 Garneau St, Vanier Ottawa ON	ENE/162.9	-2.95	74
33	EHS		143 Putman Ave Ottawa ON K1M 1Z8	SSW/165.3	-0.97	74
33	EHS		143 Putman Ave Ottawa ON K1M 1Z8	SSW/165.3	-0.97	75
34	SPL	PRIVATE RESIDENCE	247 FERIAND FURNACE OIL TANK VANIER CITY ON K1L 7T5	E/169.1	-3.83	75
35	SPL		261 Garneau St Ottawa ON	NE/173.2	-1.81	75
36	EHS		43 Ste. Cecile Ottawa ON	SE/176.6	-3.36	76
37	SPL	PETRO-CANADA	PETROCANADA AT 188 BEACHWOOD AVE SERVICE STATION VANIER CITY ON	SSW/184.8	-2.05	76
37	PRT	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L8A9	SSW/184.8	-2.05	76
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW/184.8	-2.05	77
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW/184.8	-2.05	77
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW/184.8	-2.05	77
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	SSW/184.8	-2.05	77

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	SSW/184.8	-2.05	78
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW/184.8	-2.05	78
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW/184.8	-2.05	78
37	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW/184.8	-2.05	78
38	EHS		240 Ferland Street, Ottawa, Ontario Ottawa ON	E/194.9	-3.05	79
39	HINC		26 LAVERGNE STREET OTTAWA ON	ENE/202.8	-1.91	79
40	CA	OTTAWA CITY	ROCKCLIFFE WAY/LAMBTON AVE. OTTAWA CITY ON	WNW/214.6	14.22	79
40	CA	R.M. OF OTTAWA-CARLETON	ROCKCLIFFE WAY/LAMBTON AVE. OTTAWA CITY ON	WNW/214.6	14.22	79
41	BORE		ON	SSW/214.8	-2.18	80
42	SPL	PRIVATE RESIDENCE	250 FERIAND STREET VANIER FURNACE OIL TANK GLOUCESTER CITY ON K1L 7T6	E/216.1	-2.00	81
43	WWIS		ON Well ID: 7262994	ESE/216.7	-3.90	82
44	SCT	Regimbal Trophy & Engraving	29 Marier Ave Vanier ON K1L 5S6	SSE/218.8	-3.05	82
44	SCT	Regimbal Trophy & Engraving Ltd.	29 Marier Ave Vanier ON K1L 5S6	SSE/218.8	-3.05	83

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
44	SCT	Regimbal Promotions Ltd.	29 Marier Ave Vanier ON K1L 5S6	SSE/218.8	-3.05	83
44	EHS		29 Marier Avenue Vanier ON K1L 5S6	SSE/218.8	-3.05	83
45	EHS		38 Lavergne St Ottawa ON K1L5G3	E/221.7	1.68	84
46	ECA	The Corporation of the City of Ottawa	Chapleau Putman and Langevin Ottawa ON K1N 5A1	WSW/222.6	0.00	84
47	SCT	WAWA DESIGN	105 PUTMAN AVE OTTAWA ON K1M 1Z5	WSW/227.4	2.95	84
47	SCT	Wawa Design Reg'd.	105 Putman Ave Ottawa ON K1M 1Z5	WSW/227.4	2.95	84
48	SPL	Enbridge Gas Distribution Inc.	in front of 42 Lavergne Street Ottawa ON	E/230.2	-0.33	85
49	SPL	Enbridge Gas Distribution Inc.	230 Hector-Hotty Way Ottawa ON	ESE/230.7	-3.75	85
50	SPL		Ste. Cecile and Genest Ottawa ON	SE/234.4	-3.05	86
51	EHS		43 Ste-Cecile Ottawa ON	ESE/237.6	-3.36	86
52	EHS		121 Beechwood Ave Ottawa ON K1M1L5	SW/246.0	-1.05	86
53	SCT	sensIRscan Thermography Inc.	109 Acacia Ave Ottawa ON K1N 1C5	NW/247.7	13.74	87
54	WWIS		VANIER ON Well ID: 7213440	ESE/248.7	-3.02	87

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE 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>
	ON	NE	76.03	<u>12</u>
	ON	SSE	95.72	<u>16</u>
	ON	SSW	214.82	<u>41</u>

CA - Certificates of Approval

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON	WSW	46.64	<u>4</u>
R.M. OF OTTAWA-CARLETON	ROCKCLIFFE WAY/LAMBTON AVE. OTTAWA CITY ON	WNW	214.65	<u>40</u>
OTTAWA CITY	ROCKCLIFFE WAY/LAMBTON AVE. OTTAWA CITY ON	WNW	214.65	<u>40</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2020 has found that there are 17 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON K2G 5X3	WSW	46.64	<u>4</u>
The Corporation of the City of Ottawa	Chapleau Putman and Langevin Ottawa ON K1N 5A1	WSW	222.58	<u>46</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	SW	156.52	<u>29</u>
City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	SW	156.52	<u>29</u>
City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	SW	156.52	<u>29</u>
City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	SW	156.52	<u>29</u>
City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	SW	156.52	<u>29</u>
City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	SW	156.52	<u>29</u>
City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K1P 1J1	SW	156.52	<u>29</u>
City of Ottawa	Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Ottawa ON K1P 1J1	SW	156.52	<u>29</u>
City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	SW	156.52	<u>29</u>

The Regional Municipality of Ottawa-Carleton	Ivy Cres. Putman Ave. Bertrand St Ottawa ON K2P 2L7	SW	156.52	29
The Regional Municipality of Ottawa-Carleton	Chapleau Putman and Langevin Ottawa ON K2P 2L7	SW	156.52	29
City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	SW	156.52	29
City of Ottawa	Keefer St , (Keefer Street and River Lane) Ottawa ON K2G 6J8	SW	156.52	29
The Corporation of the City of Ottawa	Ivy Crescent (MacKay to MacKay) Ottawa ON K1N 5A1	SW	156.52	29
City of Ottawa	Avon Lane Ottawa ON K2G 6J8	SW	156.52	29

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2020 has found that there are 17 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	447 Green Avenue Rockcliffe Park ON K1M 1L1	WSW	73.36	11
	65 Acacia Ave Ottawa ON K1M0P5	W	131.18	21
	38 Lavergne St Ottawa ON K1L5G3	E	221.71	45

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Beechwood Ave Ottawa ON	NNE	2.85	2

455 Green Ave Ottawa ON	SSW	70.40	<u>10</u>
12 Joliet Ave Ottawa ON K1L5H5	E	89.78	<u>15</u>
259 Beechwood Ave Ottawa On Ottawa ON K1M1K6	N	98.67	<u>17</u>
266 Beechwood Ave Ottawa (formerly Vanier) ON K1L 8A6	NE	128.04	<u>20</u>
196 Beechwood Ave Ottawa ON K1L8A9	S	150.93	<u>25</u>
141 Beechwood Ave Ottawa ON K1M 1L4	SW	152.29	<u>27</u>
143 Putman Ave Ottawa ON K1M 1Z8	SSW	165.28	<u>33</u>
143 Putman Ave Ottawa ON K1M 1Z8	SSW	165.28	<u>33</u>
43 Ste. Cecile Ottawa ON	SE	176.56	<u>36</u>
240 Ferland Street, Ottawa, Ontario Ottawa ON	E	194.86	<u>38</u>
29 Marier Avenue Vanier ON K1L 5S6	SSE	218.77	<u>44</u>
43 Ste-Cecile Ottawa ON	ESE	237.65	<u>51</u>

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 21 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3

KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW	184.78	37
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW	184.78	37
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW	184.78	37
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	SSW	184.78	37
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	SSW	184.78	37
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW	184.78	37
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	SSW	184.78	37

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 3 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>
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L 8A7	SE	38.66	3

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 20 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>
ROCKCLIFF PARK, VILLAGE OF 33-857	25 CARSDALE AVE. ROCKCLIFFE ON K1M 1J7	WSW	46.64	4

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KAVANAUGH'S ESSO	222 BEACHWOOD AVE VANIER ON	SE	38.66	3
Domicile Developments INC.	222 Beechwood Avenue Ottawa ON	SE	38.66	3

Ruth Kawfman	249 Beechwood Rockcliffe ON K1M 1L2	N	47.54	<u>5</u>
City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE	84.37	<u>14</u>
City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE	84.37	<u>14</u>
City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE	84.37	<u>14</u>
City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE	84.37	<u>14</u>
City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch	220 Beechwood Avenue Ottawa ON K1L 8A8	SSE	84.37	<u>14</u>
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE	128.04	<u>20</u>
Beechwood Animal Hospital	266 Beechwood Ave Ottawa ON	NE	128.04	<u>20</u>
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE	128.04	<u>20</u>
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE	128.04	<u>20</u>
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE	128.04	<u>20</u>
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE	128.04	<u>20</u>
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON	NE	128.04	<u>20</u>

Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE	128.04	20
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE	128.04	20
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE	128.04	20
Beechwood Animal Hospital	266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	NE	128.04	20

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	101 BLACK MAPLE [PRIVATE] OTTAWA ON	WNW	50.33	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	26 LAVERGNE STREET OTTAWA ON	ENE	202.82	39

INC - Fuel Oil Spills and Leaks

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>
	222 BEECHWOOD AVENUE, OTTAWA ON	SE	38.66	3

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 2 PINC 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>
	222 Beechwood, Ottawa ON	SE	38.66	3
	249 GARNEAU ST, VANIER ON	ENE	112.44	19

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KAVANAUGH GARAGE LTD	222 BEECHWOOD AV VANIER ON K1L8A7	SE	38.66	3
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L8A9	SSW	184.78	37

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-May 31, 2020 has found that there are 2 PTTW 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>
The Kavanaugh on Beechwood Inc.	222 Beechwood Ave, Including the area bound by 9 Marquette Avenue and 8 Jolliet Avenue, Ottawa CITY OF OTTAWA ON	SE	38.66	3
The Kavanaugh on Beechwood Inc.	222 Beechwood Avenue, Ottawa, Ontario + + + + 9 Marquette Avenue, Ottawa, Ontario + + + + 8 Jolliet Avenue, Ottawa, Ontario CITY OF OTTAWA ON	SE	38.66	3

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-May 2020 has found that there are 2 RSC 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>
Uniform Urban Developments Ltd.	25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Rockcliffe ON K1M 1J7	WSW	46.64	4

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
THE KAVANAUGH ON BEECHWOOD INC.	222 BEECHWOOD AVENUE, OTTAWA, ON K1L 8A7 Ottawa ON	SE	38.66	3

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Jan 31, 2020 has found that there are 2 RST site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
KAVANAUGH'S ESSO SERVICE CENTRE	222 BEECHWOOD AVE VANIER ON K1L8A7	SE	38.66	3

KAVANAUGH'S ESSO SERVICE CENTRE	222 BEECHWOOD AVE VANIER ON K1L 8A7	SE	38.66	3
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SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 6 SCT 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>
Wawa Design Reg'd.	105 Putman Ave Ottawa ON K1M 1Z5	WSW	227.42	47

WAWA DESIGN	105 PUTMAN AVE OTTAWA ON K1M 1Z5	WSW	227.42	47
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sensIRscan Thermography Inc.	109 Acacia Ave Ottawa ON K1N 1C5	NW	247.72	53
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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Regimbal Promotions Ltd.	29 Marier Ave Vanier ON K1L 5S6	SSE	218.77	44
Regimbal Trophy & Engraving	29 Marier Ave Vanier ON K1L 5S6	SSE	218.77	44
Regimbal Trophy & Engraving Ltd.	29 Marier Ave Vanier ON K1L 5S6	SSE	218.77	44

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 15 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	241 BEECHWOOD AVE. STORAGE TANK/BARREL ROCKCLIFFE PARK VILL. ON K1M 1L2	-	0.00	1
Enbridge Gas Distribution Inc.	Beachwood and Marquette Ottawa ON	SSE	49.32	6
Enbridge Gas Distribution Inc.	9 Jolliet Ave Ottawa ON	ENE	79.89	13
	37 Jolliete Ave Ottawa ON	E	143.25	24
PRIVATE RESIDENCE	196 BEECHWOOD AVE FURNACE OIL TANK VANIER CITY ON K1L 8A9	S	150.94	26
PRIVATE RESIDENCE	243 FERIND STREET FURNACE OIL TANK VANIER CITY ON	E	155.98	28
	259 Garneau Street Ottawa ON	ENE	161.52	30
Enbridge Gas Distribution Inc.	252 Garneau St, Vanier Ottawa ON	ENE	162.91	32

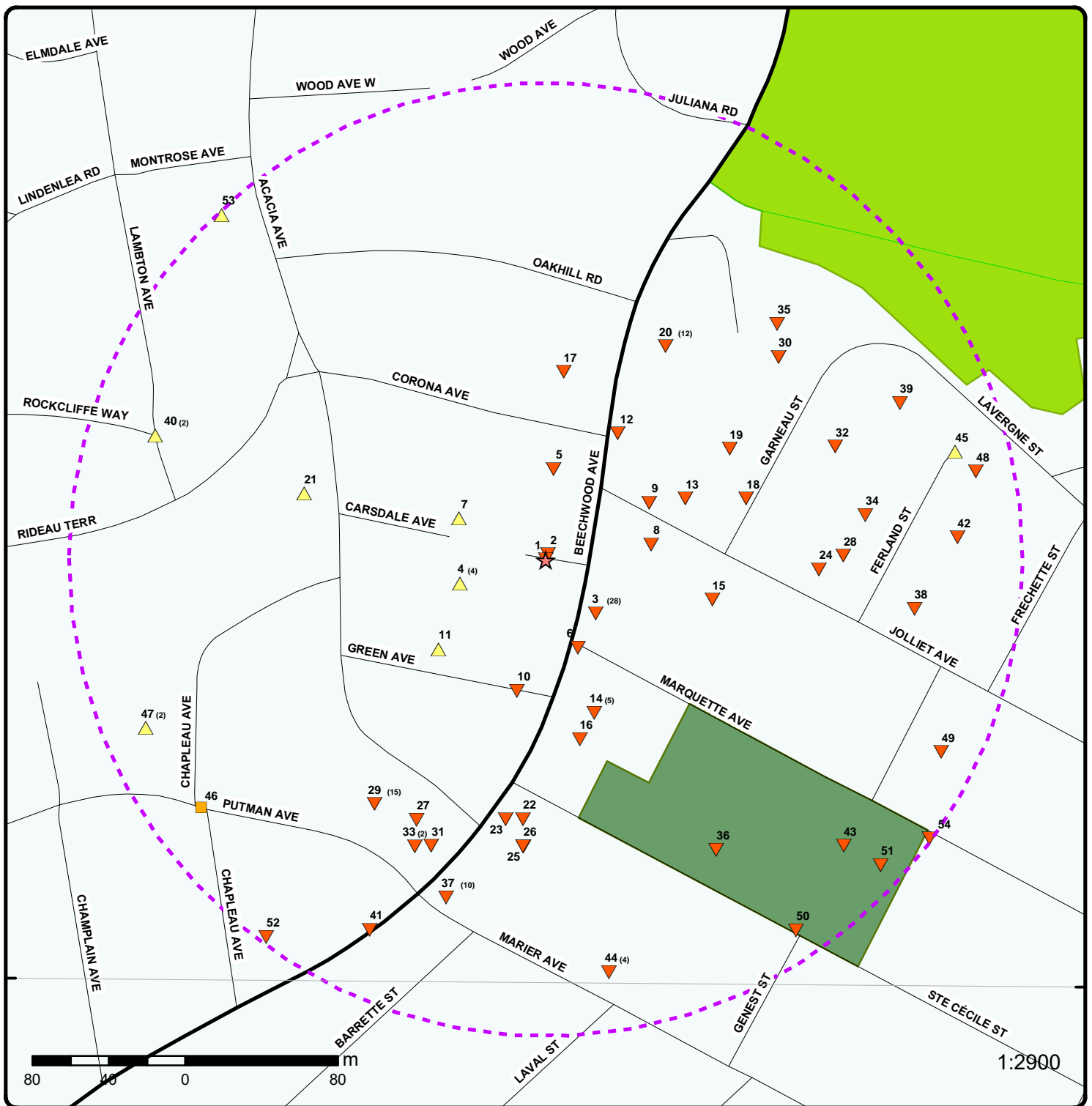
PRIVATE RESIDENCE	247 FERIAND FURNACE OIL TANK VANIER CITY ON K1L 7T5	E	169.09	34
	261 Garneau St Ottawa ON	NE	173.21	35
PETRO-CANADA	PETROCANADA AT 188 BEACHWOOD AVE SERVICE STATION VANIER CITY ON	SSW	184.78	37
PRIVATE RESIDENCE	250 FERIAND STREET VANIER FURNACE OIL TANK GLOUCESTER CITY ON K1L 7T6	E	216.10	42
Enbridge Gas Distribution Inc.	in front of 42 Lavergne Street Ottawa ON	E	230.18	48
Enbridge Gas Distribution Inc.	230 Hector-Hotty Way Ottawa ON	ESE	230.66	49
	Ste. Cecile and Genest Ottawa ON	SE	234.37	50

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 8 WWIS 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>
	ON <i>Well ID: 7204623</i>	E	55.64	8
	ON <i>Well ID: 7292791</i>	ENE	61.73	9
	ON <i>Well ID: 7295177</i>	ENE	109.79	18

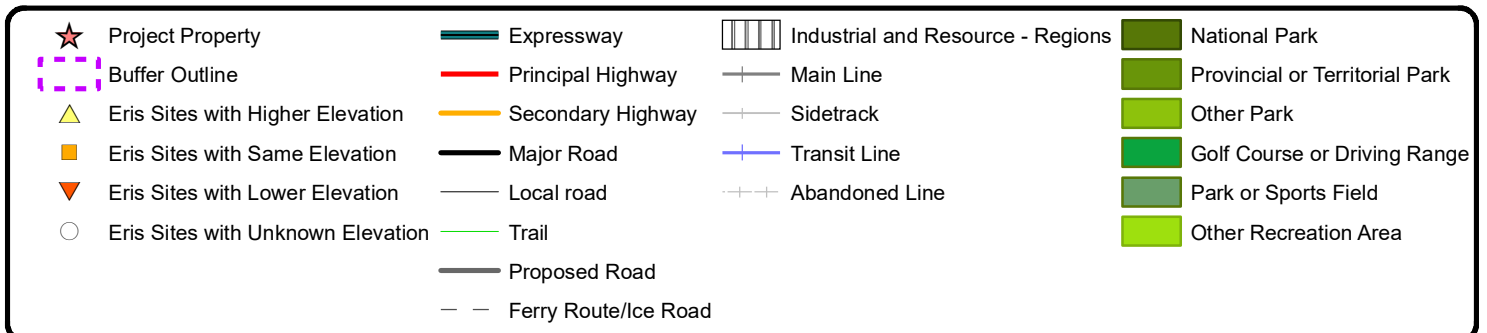
OTTAWA ON <i>Well ID:</i> 7291127	S	136.79	<u>22</u>
Ottawa ON <i>Well ID:</i> 7291126	SSW	137.87	<u>23</u>
Ottawa ON <i>Well ID:</i> 7196179	SSW	161.77	<u>31</u>
ON <i>Well ID:</i> 7262994	ESE	216.68	<u>43</u>
VANIER ON <i>Well ID:</i> 7213440	ESE	248.67	<u>54</u>

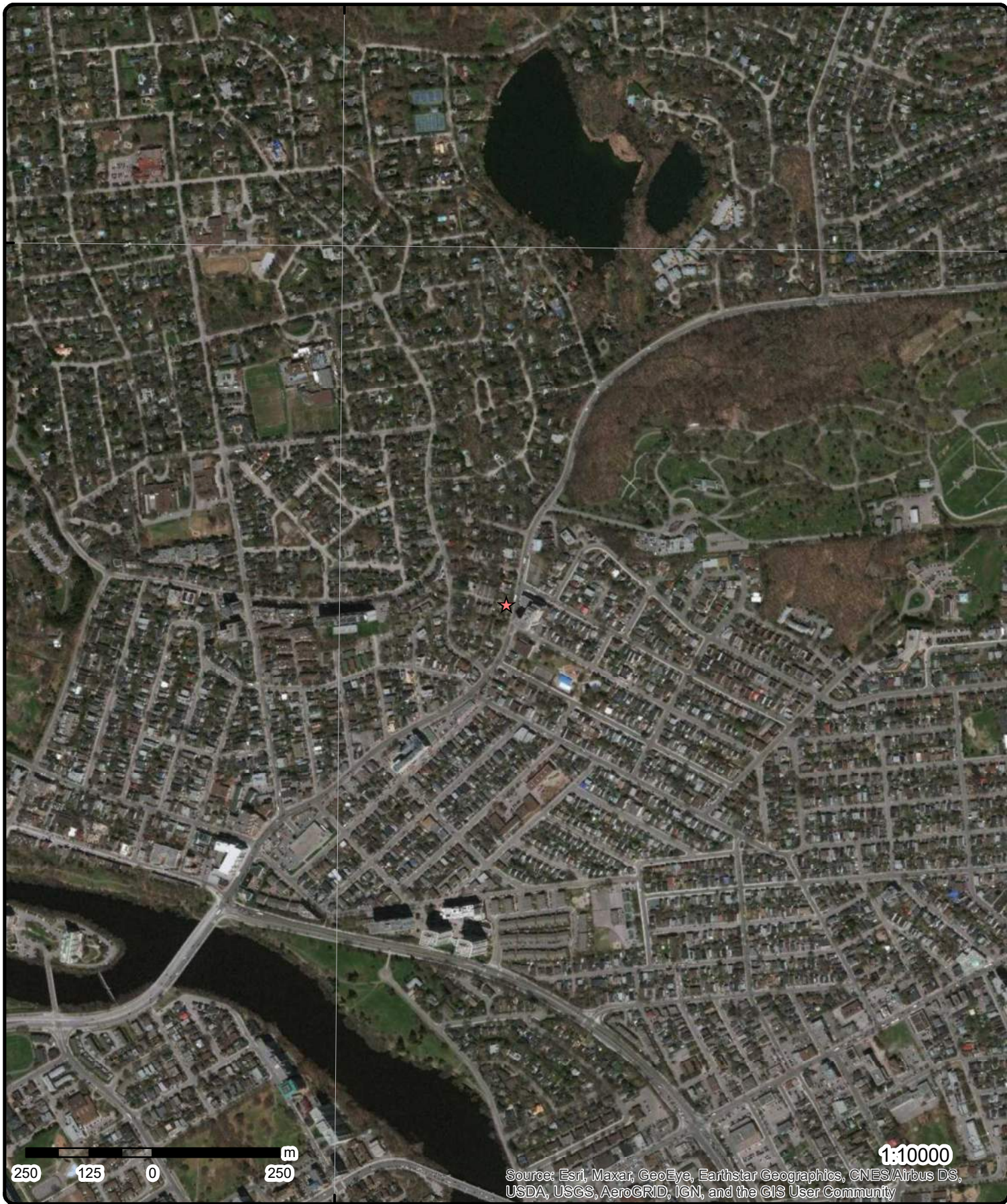


Map : 0.25 Kilometer Radius

Order Number: 20200714007

Address: 229-241 Beechwood, Rockcliffe Park, ON





250 125 0 250 m

1:10000
 Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2019

Address: 229-241 Beechwood, Rockcliffe Park, ON

Source: ESRI World Imagery

Order Number: 20200714007



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	-/0.0	57.9 / -1.05	PRIVATE OWNER 241 BEECHWOOD AVE. STORAGE TANK/BARREL ROCKCLIFFE PARK VILL. ON K1M 1L2	SPL
Ref No: 65641 Site No: Incident Dt: 12/19/1991 Year: Incident Cause: ABOVE-GROUND TANK LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: CONFIRMED Nature of Impact: Soil Contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 12/30/1991 Dt Document Closed: Incident Reason: UNKNOWN Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: PRIVATE OWNER: 800L FUELOIL TO GRND FROM PRIVATE FUEL STORAGE TANK. Contaminant Qty:		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20502 Site Lot: Site Conc: Northing: Easting: MOE, OPP Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:			
<u>2</u>	1 of 1	NNE/2.9	57.9 / -1.05	Beechwood Ave Ottawa ON	EHS
Order No: 20170216035 Status: C Report Type: Standard Report Report Date: 22-FEB-17 Date Received: 16-FEB-17 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.670753 Y: 45.443685			
<u>3</u>	1 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L8A7	PRT
Location ID: 16159 Type: retail Expiry Date: 1995-11-30 Capacity (L): 16978					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence #:		0051453001			
<u>3</u>	2 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH'S ESSO SERVICE CENTRE 222 BEECHWOOD AVE VANIER ON K1L 8A7	RST
Headcode:		01186800			
Headcode Desc:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
Phone:					
List Name:					
Description:					
<u>3</u>	3 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	FSTH
License Issue Date:		9/27/2002			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
--Details--					
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
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			
<u>3</u>	4 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	FSTH
License Issue Date:		9/27/2002			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
--Details--					
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		9999			
Corrosion Protection:					
Capacity:		13620			
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:		1995			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		25000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			

<u>3</u>	5 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No:		11030486			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility Type:					
Expired Date:		5/29/2009			
<u>3</u>	6 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No:		11030442			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		5/29/2009			
<u>3</u>	7 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No:		11030471			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		5/29/2009			
<u>3</u>	8 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON	EXP
Instance No:		11030427			
Instance ID:		63402			
Instance Type:		FS Liquid Fuel Tank			
Description:		FS Liquid Fuel Tank			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
<u>3</u>	9 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON	EXP
Instance No:		11030501			
Instance ID:		63546			
Instance Type:		FS Liquid Fuel Tank			
Description:		FS Liquid Fuel Tank			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	10 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON	EXP
Instance No: 11030455 Instance ID: 63962 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
3	11 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON	EXP
Instance No: 11030436 Instance ID: 63802 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
3	12 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON	EXP
Instance No: 11030477 Instance ID: 63416 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
3	13 of 28	SE/38.7	56.3 / -2.62	The Kavanaugh on Beechwood Inc. 222 Beechwood Avenue, Ottawa, Ontario + + + + 9 Marquette Avenue, Ottawa, Ontario + + + + 8 Jolliet Avenue, Ottawa, Ontario CITY OF OTTAWA ON	PTTW
EBR Registry No: 011-8162 Ministry Ref No: 5715-94LM4G Notice Type: Instrument Decision Notice Stage: Notice Date: September 03, 2015 Proposal Date: February 05, 2013 Year: 2013 Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name: Posted By:		Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Company Name: The Kavanaugh on Beechwood Inc. Site Address: Location Other: Proponent Name: Proponent Address: 371 A Richmond Road, Ottawa Ontario, Canada K2A 0E7 Comment Period: URL: Site Location Details: 222 Beechwood Avenue, Ottawa, Ontario + + + + 9 Marquette Avenue, Ottawa, Ontario + + + + 8 Jolliet Avenue, Ottawa, Ontario CITY OF OTTAWA					
3	14 of 28	SE/38.7	56.3 / -2.62	The Kavanaugh on Beechwood Inc. 222 Beechwood Ave, Including the area bound by 9 Marquette Avenue and 8 Jolliet Avenue, Ottawa CITY OF OTTAWA ON	PTTW
EBR Registry No: 011-9164 Ministry Ref No: 4165-97RMJQ Notice Type: Instrument Decision Notice Stage: Notice Date: September 10, 2013 Proposal Date: May 17, 2013 Year: 2013 Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name: Posted By: Company Name: The Kavanaugh on Beechwood Inc. Site Address: Location Other: Proponent Name: Proponent Address: 371 A Richmond Road, Ottawa Ontario, Canada K2A 0E7 Comment Period: URL: Site Location Details: 222 Beechwood Ave, Including the area bound by 9 Marquette Avenue and 8 Jolliet Avenue, Ottawa CITY OF OTTAWA					
3	15 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH'S ESSO 222 BEECHWOOD AVE VANIER ON	GEN
Generator No: ON8138027 Status: Approval Years: 2013 Contam. Facility: MHSW Facility: SIC Code: 447190 SIC Description: Detail(s) Waste Class: 221 Waste Class Desc: LIGHT FUELS					
3	16 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV	FST

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
VANIER ON K1L 8A7					
				Instance No: 11030516 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 25000 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Double Wall UST Install Year: 1995 Parent Facility Type: FS Gasoline Station - Full Serve Facility Type: FS Liquid Fuel Tank	
<u>3</u>	17 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	FST
				Instance No: 11030522 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 25000 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Double Wall UST Install Year: 1995 Parent Facility Type: FS Gasoline Station - Full Serve Facility Type: FS Liquid Fuel Tank	
<u>3</u>	18 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	FST
				Instance No: 11030525 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 25000 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Double Wall UST Install Year: 1995 Parent Facility Type: FS Gasoline Station - Full Serve Facility Type: FS Liquid Fuel Tank	
<u>3</u>	19 of 28	SE/38.7	56.3 / -2.62	THE KAVANAUGH ON BEECHWOOD INC. 222 BEECHWOOD AVENUE, OTTAWA, ON K1L 8A7 Ottawa ON	RSC
				RSC ID: 213106 RA No: RSC Type: Phase 1 and 2 RSC Curr Property Use: Commercial Ministry District: Ottawa District Office Filing Date: 2014/04/09	Cert Date: Cert Prop Use No: Intended Prop Use: Residential Qual Person Name: DANIEL ARNOTT Stratified (Y/N): Audit (Y/N):

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Ack:				Entire Leg Prop. (Y/N):	
Date Returned:				Accuracy Estimate:	
Restoration Type:				Telephone:	
Soil Type:				Fax:	
Criteria:				Email:	
CPU Issued Sect 1686:					
Asmt Roll No:		06-09-210-401-21400, 06-09-210-401-45000, 06-09-210-401-21500			
Prop ID No (PIN):		04235-0588 (LT), 04235-0014 (LT), 04235-0002 (LT)			
Property Municipal Address:		9 MARQUETTE AVENUE, OTTAWA, ON K1L 5K3, 222 BEECHWOOD AVENUE, OTTAWA, ON K1L 8A7, 10 JOLIETTE AVENUE, OTTAWA, ON K1L 5H5			
Mailing Address:					
Latitude & Longitude:					
UTM Coordinates:					
Consultant:					
Legal Desc:					
Measurement Method:					
Applicable Standards:					
RSC PDF:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34280&fileName=BROWNFIELDS-F.pdf			
<u>Document(s) Detail</u>					
Document Heading:		Supporting Documents			
Document Name:		TransferDeed.pdf			
Document Type:		Copy of any deed(s), transfer(s) or other document(s)			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34284&fileName=TransferDeed.pdf			
Document Heading:		Supporting Documents			
Document Name:		PE2284 Table of Current and Past Uses.pdf			
Document Type:		Table of Current and Past Property Use			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34277&fileName=PE2284+Table+of+Current+and+Past+Uses.pdf			
Document Heading:		Supporting Documents			
Document Name:		PE2284 CSM.pdf			
Document Type:		Phase 2 Conceptual Site Model			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34281&fileName=PE2284+CSM.pdf			
Document Heading:		Supporting Documents			
Document Name:		Lawyer Letter.pdf			
Document Type:		Lawyer's letter consisting of a legal description of the property			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34282&fileName=Lawyer+Letter.pdf			
Document Heading:		Supporting Documents			
Document Name:		PE2284 Table of APECs.pdf			
Document Type:		Area(s) of Potential Environmental Concern			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34279&fileName=PE2284+Table+of+APECs.pdf			
Document Heading:		Supporting Documents			
Document Name:		PlanofSurvey.pdf			
Document Type:		A Current plan of Survey			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34286&fileName=PlanofSurvey.pdf			
Document Heading:		Supporting Documents			
Document Name:		Certificate of Status.pdf			
Document Type:		Certificate of Status			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=34285&fileName=Certificate+of+Status.pdf			
3	20 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH'S ESSO SERVICE CENTRE 222 BEECHWOOD AVE VANIER ON K1L8A7	RST
Headcode:		01186800			
Headcode Desc:		SERVICE STATIONS GASOLINE OIL & NATURAL			
Phone:		6137460744			
List Name:					
Description:					
3	21 of 28	SE/38.7	56.3 / -2.62	Domicile Developments INC. 222 Beechwood Avenue Ottawa ON	GEN
Generator No:		ON7729799		PO Box No:	
Status:				Country:	
Approval Years:		2013		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		532420			
SIC Description:		OFFICE MACHINERY AND EQUIPMENT RENTAL AND LEASING			
Detail(s)					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
3	22 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No:		11030442			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:		FS Gasoline Station - Full Serve			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		5/29/2009			
3	23 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No:		11030427			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:		FS Gasoline Station - Full Serve			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		5/29/2009			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	24 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030471 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/29/2009			
3	25 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030501 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/29/2009			
3	26 of 28	SE/38.7	56.3 / -2.62	KAVANAUGH GARAGE LTD 222 BEECHWOOD AV VANIER ON K1L 8A7	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030486 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 5/29/2009			
3	27 of 28	SE/38.7	56.3 / -2.62	222 Beechwood, Ottawa ON	PINC
Incident ID: Incident No: Type: Status Code: Fuel Occurrence Tp: Fuel Type: Tank Status: Task No: Spills Action Centre: Method Details: Fuel Category: Date of Occurrence: Occurrence Start Date: Operation Type: Pipeline Type:		1466332 FS-Pipeline Incident Pipeline Damage Reason Est RC Established 5154641 E-mail Natural Gas 2014/09/02		Health Impact: Environment Impact: Property Damage: Yes Service Interupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Regulator Type: Summary: 222 Beechwood, Ottawa - Pipeline Hit - 1/2" Reported By: Scott Parrington - Enbridge Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:					
3	28 of 28	SE/38.7	56.3 / -2.62	222 BEECHWOOD AVENUE, OTTAWA ON	INC
Incident No: 1784892 Incident ID: Attribute Category: FS-Perform L1 Incident Insp Status Code: Incident Location: 222 BEECHWOOD AVENUE, OTTAWA - CO RELEASE Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: CO Release Fuel Type Involved: Natural Gas Date of Occurrence: 2016/01/12 00:00:00 Time of Occurrence: NULL Occur Insp Start Date: 2016/01/12 00:00:00 Any Health Impact: No Any Environmental Impact: No Was Service Interrupted: Yes Was Property Damaged: No Operation Type Involved: Multi-unit Residential Enforcement Policy: NULL Prc Escalation Required: NULL Task No: 6004552 Notes: Occurrence Narrative: recirculation of flue gas caused by external weather conditions Tank Material Type: Tank Storage Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
4	1 of 4	WSW/46.6	59.2 / 0.30	ROCKCLIFF PARK, VILLAGE OF 33-857 25 CARSDALE AVE. ROCKCLIFFE ON K1M 1J7	GEN
Generator No:	ON1530600			PO Box No:	
Status:				Country:	
Approval Years:	92,93,94,95,96,97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8359				
SIC Description:	OTHER GEN. ADMIN.				
Detail(s)					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
4	2 of 4	WSW/46.6	59.2 / 0.30	Uniform Urban Developments Ltd. 25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Rockcliffe ON K1M 1J7	RSC
RSC ID:	3595			Cert Date:	3-Aug-06
RA No:				Cert Prop Use No:	No CPU
RSC Type:				Intended Prop Use:	Residential
Curr Property Use:	Industrial			Qual Person Name:	Mr. George Georgaras
Ministry District:	OTTAWA			Stratified (Y/N):	
Filing Date:	17-Aug-06			Audit (Y/N):	
Date Ack:				Entire Leg Prop. (Y/N):	Yes
Date Returned:				Accuracy Estimate:	21 to 100 meters
Restoration Type:				Telephone:	613-2250770x244
Soil Type:				Fax:	613-7231675
Criteria:				Email:	ggeorgaras@uniformdevelopments.com
CPU Issued Sect 1686:	No				
Asmt Roll No:					
Prop ID No (PIN):	04226 - 0215 LT				
Property Municipal Address:	25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7				
Mailing Address:	Suite 300, 117 CENTREPOINTE DR, NEPEAN, ON, K2G 5X3				
Latitude & Latitude:	45.44361110N 75.67111110W				
UTM Coordinates:	NAD83 18-447516-5032451 (converted from Latitude & Longitude)				
Consultant:					
Legal Desc:	Firstly: Lots 29, 30 and 31, Part of Rear Passage east and Lot 29, as closed by Judge's Order registered as LT113018, and Part of Carsdale Avenue closed by By-law Registered as LT37839, Plan 4M-30, Designated as Part 1 on 4R-21126, City of Ottawa. Secondly: Part of Carsdale Avenue closed by By-Law registered as LT37839, plan 4M-30, Designated as Part 2 on 4R-21126, City of Ottawa. Thirdly: Lots 16, 17, Part of Lot 18 and Part of Carsdale Avenue closed by By-Law registered as LT37839, Plan 4M-30, Designated as Part 3 on 4R-21126, City of Ottawa.				
Measurement Method:	Digitized from a satellite image				
Applicable Standards:	Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use				
RSC PDF:					
4	3 of 4	WSW/46.6	59.2 / 0.30	Uniform Urban Developments Ltd. 25 Carsdale Avenue Ottawa ON	CA
Certificate #:	7397-6RZNW7				
Application Year:	2006				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		8/2/2006 Municipal and Private Sewage Works Approved			
4	4 of 4	WSW/46.6	59.2 / 0.30	Uniform Urban Developments Ltd. 25 Carsdale Avenue Ottawa ON K2G 5X3	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		7397-6RZWNW7 2006-08-02 Approved ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 25 Carsdale Avenue https://www.accessenvironment.ene.gov.on.ca/instruments/2708-6RLLFL-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.67190000000001 45.4425
5	1 of 1	N/47.5	57.8 / -1.08	Ruth Kawfman 249 Beechwood Rockcliffe ON K1M 1L2	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON8668232 02,03,04		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		221 LIGHT FUELS			
6	1 of 1	SSE/49.3	55.8 / -3.16	Enbridge Gas Distribution Inc. Beachwood and Marquette Ottawa ON	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact:		8816-9NCLZY NA 2014/08/26 Unknown / N/A Unknown / N/A 35 NATURAL GAS (METHANE)		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality:	Unknown / N/A Beachwood and Marquette Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Nature of Impact:		Air Pollution		Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:		Referral to others		Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:		2014/08/26		Site Map Datum:	
Dt Document Closed:		2014/09/03		SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:		Unknown / N/A		Source Type:	
Site Name:		intersection<UNOFFICIAL>			
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		TSSA FSB: 1 1/4" main damaged, road closures			
Contaminant Qty:		0 other - see incident description			

<u>7</u>	1 of 1	WNW/50.3	59.4 / 0.47	101 BLACK MAPLE [PRIVATE] OTTAWA ON	HINC
External File Num:		FS INC 0806-03159			
Fuel Occurrence Type:		Pipeline Strike			
Date of Occurrence:		6/19/2008			
Fuel Type Involved:		Natural Gas			
Status Desc:		Completed - Causal Analysis(End)			
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:		Private Dwelling			
Service Interruptions:		Yes			
Property Damage:		No			
Fuel Life Cycle Stage:		Utilization			
Root Cause:		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No			
Reported Details:					
Fuel Category:		Gaseous Fuel			
Occurrence Type:		Incident			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
County Name:		Ottawa			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					

<u>8</u>	1 of 1	E/55.6	56.2 / -2.75	ON	WWIS
Well ID:		7204623		Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	7/11/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	7328
Casing Material:				Form Version:	8
Audit No:		C21240		Owner:	
Tag:		A140384		Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flow Rate: Clear/Cloudy:				UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1004419134		Elevation: 58.440925			
DP2BR:		Elevrc:			
Spatial Status:		Zone: 18			
Code OB:		East83: 447598			
Code OB Desc:		North83: 5032464			
Open Hole:		Org CS: UTM83			
Cluster Kind:		UTMRC: 4			
Date Completed: 12/13/2012		UTMRC Desc: margin of error : 30 m - 100 m			
Remarks:		Location Method: wwr			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>9</u>	1 of 1	ENE/61.7	56.4 / -2.52	ON	WWIS
Well ID: 7292791		Data Entry Status: Yes			
Construction Date:		Data Src:			
Primary Water Use:		Date Received: 8/17/2017			
Sec. Water Use:		Selected Flag: Yes			
Final Well Status:		Abandonment Rec:			
Water Type:		Contractor: 7543			
Casing Material:		Form Version: 8			
Audit No: C36217		Owner:			
Tag:		Street Name:			
Construction Method:		County: OTTAWA-CARLETON			
Elevation (m):		Municipality: OTTAWA CITY			
Elevation Reliability:		Site Info:			
Depth to Bedrock:		Lot:			
Well Depth:		Concession:			
Overburden/Bedrock:		Concession Name:			
Pump Rate:		Easting NAD83:			
Static Water Level:		Northing NAD83:			
Flowing (Y/N):		Zone:			
Flow Rate:		UTM Reliability:			
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1006712694		Elevation: 58.656135			
DP2BR:		Elevrc:			
Spatial Status:		Zone: 18			
Code OB:		East83: 447597			
Code OB Desc:		North83: 5032486			
Open Hole:		Org CS: UTM83			
Cluster Kind:		UTMRC: 5			
Date Completed:		UTMRC Desc: margin of error : 100 m - 300 m			
Remarks:		Location Method: wwr			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	SSW/70.4	57.2 / -1.75	455 Green Ave Ottawa ON	EHS
Order No:	20131125004			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	29-NOV-13			Search Radius (km):	.25
Date Received:	25-NOV-13			X:	-75.670951
Previous Site Name:				Y:	45.443041
Lot/Building Size:					
Additional Info Ordered:					
11	1 of 1	WSW/73.4	59.2 / 0.22	447 Green Avenue Rockcliffe Park ON K1M 1L1	EHS
Order No:	20190923036			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	25-SEP-19			Search Radius (km):	.25
Date Received:	23-SEP-19			X:	-75.671481
Previous Site Name:				Y:	45.443233
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
12	1 of 1	NE/76.0	57.5 / -1.39	ON	BORE
Borehole ID:	613793			Inclin FLG:	No
OGF ID:	215514971			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	APR-1971			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.444258
Total Depth m:	4			Longitude DD:	-75.670291
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	447581
Drill Method:				Northing:	5032522
Orig Ground Elev m:	58.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	59.3				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218396643			Mat Consistency:	Compact
Top Depth:	.9			Material Moisture:	
Bottom Depth:	1.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. BROWN,COMPACT.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218396644			Mat Consistency:	
Top Depth:	1.6			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. BLACK,WEATHERED.				
Geology Stratum ID:	218396642			Mat Consistency:	Firm
Top Depth:	.6			Material Moisture:	
Bottom Depth:	.9			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Organic			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	organic
Gsc Material Description:					
Stratum Description:	ORGANIC. DARK,BROWN,FIRM.				
Geology Stratum ID:	218396641			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL. BROWN.				
Geology Stratum ID:	218396645			Mat Consistency:	
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	4			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:	Calcite			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. BLACK,SOUND. 00020013000300260005503300105009 021 00108 009 000250200006503 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Idem:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	H	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 063010 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

Source Identifier:	1	Horizontal Datum:	NAD27
Source Type:	Data Survey	Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972	Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Originators:		Geological Survey of Canada			
13	1 of 1	ENE/79.9	55.8 / -3.08	Enbridge Gas Distribution Inc. 9 Jolliet Ave Ottawa ON	SPL
Ref No:	3048-APSVSK			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	7/31/2017			Health/Env Conseq:	2 - Minor Environment
Year:				Client Type:	Corporation
Incident Cause:				Sector Type:	Miscellaneous Communal
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	9 Jolliet Ave
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:	No			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	7/31/2017			Site Map Datum:	
Dt Document Closed:	10/21/2017			SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	Pipeline/Components
Site Name:	residential<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB: 0.5 inch IP dmge, made safe				
Contaminant Qty:	0 other - see incident description				
14	1 of 5	SSE/84.4	55.8 / -3.14	City of Ottawa 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No:	ON6952071			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	913910				
SIC Description:	913910				
<u>Detail(s)</u>					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
14	2 of 5	SSE/84.4	55.8 / -3.14	City of Ottawa 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No:	ON6952071			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	913910				
SIC Description:	913910				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
14	3 of 5	SSE/84.4	55.8 / -3.14	City of Ottawa 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No:		ON6952071		PO Box No:	
Status:				Country: Canada	
Approval Years:		2014		Choice of Contact: CO_OFFICIAL	
Contam. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No Admin:	
SIC Code:		913910			
SIC Description:		913910			
<u>Detail(s)</u>					
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
14	4 of 5	SSE/84.4	55.8 / -3.14	City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No:		ON6952071		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Dec 2018		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
14	5 of 5	SSE/84.4	55.8 / -3.14	City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No:		ON6952071		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Apr 2020		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	1 of 1	E/89.8	55.5 / -3.39	12 Jolliet Ave Ottawa ON K1L5H5	EHS
Order No:	20160710001			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	RSC Premium Package (Urban)			Client Prov/State:	ON
Report Date:	15-JUL-16			Search Radius (km):	.3
Date Received:	10-JUL-16			X:	-75.669649
Previous Site Name:				Y:	45.443478
Lot/Building Size:	342 m2				
Additional Info Ordered:	City Directory				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	SSE/95.7	55.8 / -3.14	ON	BORE
Borehole ID:	613782			Inclin FLG:	No
OGF ID:	215514965			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	APR-1971			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.442816
Total Depth m:	6.2			Longitude DD:	-75.67053
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	447561
Drill Method:				Northing:	5032362
Orig Ground Elev m:	57.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	57.1				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218396589			Mat Consistency:	
Top Depth:	5.8			Material Moisture:	
Bottom Depth:	6.2			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. BLACK,WEATHERED. 00000020000350160011310000190100ROCK. 00000 012 00020 007 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	218396588			Mat Consistency:	Dense
Top Depth:	3.4			Material Moisture:	
Bottom Depth:	5.8			Material Texture:	
Material Color:	Dark			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. DARK,GREY,VERY DENSE.				

Geology Stratum ID:	218396587			Mat Consistency:	Dense
Top Depth:	1.1			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth: 3.4 Material Color: Brown Material 1: Sand Material 2: Gravel Material 3: Boulders Material 4: Gsc Material Description: Stratum Description: SAND. BROWN,VERY DENSE.				Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218396586 Top Depth: 0 Bottom Depth: 1.1 Material Color: Brown Material 1: Material 2: Sand Material 3: Silt Material 4: Gravel Gsc Material Description: Stratum Description: ARTIFICIAL. BROWN,COMPACT.				Mat Consistency: Compact Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Source					
Source Type: Data Survey Source Orig: Geological Survey of Canada Source Date: 1956-1972 Confidence: H Observatio: Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA2.txt RecordID: 062900 NTS_Sheet: 31G05G Confiden 1: Logged by professional. Exact and complete description of material and properties.				Source Appl: Spatial/Tabular Source Iden: 1 Scale or Res: Varies Horizontal: NAD27 Verticalda: Mean Average Sea Level	
Source List					
Source Identifier: 1 Source Type: Data Survey Source Date: 1956-1972 Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada				Horizontal Datum: NAD27 Vertical Datum: Mean Average Sea Level Projection Name: Universal Transverse Mercator	
17	1 of 1	N/98.7	58.9 / -0.05	259 Beechwood Ave Ottawa On Ottawa ON K1M1K6	EHS
Order No: 20160405052 Status: C Report Type: RSC Premium Package (Urban) Report Date: 11-APR-16 Date Received: 05-APR-16 Previous Site Name: Lot/Building Size: 7840 ft2 Additional Info Ordered: Title Searches; City Directory				Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .3 X: -75.670657 Y: 45.444546	
18	1 of 1	ENE/109.8	55.9 / -3.05	ON	WWIS
Well ID: 7295177 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material:				Data Entry Status: Yes Data Src: Date Received: 9/22/2017 Selected Flag: Yes Abandonment Rec: Contractor: 7543 Form Version: 8	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Audit No: C36223 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:					
Owner: Street Name: County: OTTAWA-CARLETON Municipality: GLOUCESTER TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1006731089 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
Elevation: 57.553657 Elevrc: Zone: 18 East83: 447648 North83: 5032488 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					
19	1 of 1	ENE/112.4	55.8 / -3.18	249 GARNEAU ST, VANIER ON	PINC
Incident ID: Incident No: 1455798 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 5134008 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2014/10/20 Operation Type: Pipeline Type: Regulator Type: Summary: 249 GARNEAU ST, VANIER - PIPELINE HIT - 1 1/4" Reported By: Ryan Noble - Enbridge Gas Affiliation: Occurrence Desc: Damage Reason: No notification made to the one call center Notes:					
Health Impact: Environment Impact: Property Damage: No Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:					
20	1 of 12	NE/128.0	56.9 / -2.05	266 Beechwood Ave Ottawa (formerly Vanier) ON K1L 8A6	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20040505012 Status: C Report Type: Basic Report Report Date: 5/13/04 Date Received: 5/5/04 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Opposite Oakhill Rd & Beechwood Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.670183 Y: 45.444794					
20	2 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave Ottawa ON	GEN
Generator No: ON1086163 Status: Approval Years: 03,04,07,08 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
20	3 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON	GEN
Generator No: ON1086163 Status: Approval Years: 2009 Contam. Facility: MHSW Facility: SIC Code: 541940 SIC Description: Veterinary Services					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
Waste Class: 264 Waste Class Desc: PHOTOPROCESSING WASTES					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
20	4 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON	GEN
Generator No: ON1086163 Status: Approval Years: 2010 Contam. Facility: MHSW Facility:					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:	541940				
SIC Description:		Veterinary Services			
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
20	5 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON	GEN
Generator No:	ON1086163			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541940				
SIC Description:		Veterinary Services			
<u>Detail(s)</u>					
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
20	6 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON	GEN
Generator No:	ON1086163			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541940				
SIC Description:		Veterinary Services			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	7 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON	GEN
Generator No:	ON1086163			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541940				
SIC Description:	VETERINARY SERVICES				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			

20	8 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	GEN
Generator No:	ON1086163			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Dawn L Hunter
MHSW Facility:	No			Phone No Admin:	613-748-9820 Ext.
SIC Code:	541940				
SIC Description:	VETERINARY SERVICES				
<u>Detail(s)</u>					
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

20	9 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	GEN
Generator No:	ON1086163			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Dawn L Hunter
MHSW Facility:	No			Phone No Admin:	613-748-9820 Ext.
SIC Code:	541940				
SIC Description:	VETERINARY SERVICES				
<u>Detail(s)</u>					
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
20	10 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	GEN
Generator No:		ON1086163		PO Box No:	
Status:				Country:	Canada
Approval Years:		2014		Choice of Contact:	CO_OFFICIAL
Contam. Facility:		No		Co Admin:	Dawn L Hunter
MHSW Facility:		No		Phone No Admin:	613-748-9820 Ext.
SIC Code:		541940			
SIC Description:		VETERINARY SERVICES			
<u>Detail(s)</u>					
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
20	11 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	GEN
Generator No:		ON1086163		PO Box No:	
Status:		Registered		Country:	Canada
Approval Years:		As of Dec 2018		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
20	12 of 12	NE/128.0	56.9 / -2.05	Beechwood Animal Hospital 266 Beechwood Ave, Unit B Ottawa ON K1L 8A6	GEN
Generator No:		ON1086163		PO Box No:	
Status:		Registered		Country:	Canada
Approval Years:		As of Apr 2020		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:					
SIC Description:					
Detail(s)					
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

21	1 of 1	W/131.2	68.2 / 9.31	65 Acacia Ave Ottawa ON K1M0P5	EHS
Order No:	20170929063		Nearest Intersection:		
Status:	C		Municipality: Ottawa		
Report Type:	Standard Report		Client Prov/State: ON		
Report Date:	06-OCT-17		Search Radius (km): .25		
Date Received:	29-SEP-17		X: -75.672389		
Previous Site Name:			Y: 45.443962		
Lot/Building Size:	0.0507 hectares				
Additional Info Ordered:					

22	1 of 1	S/136.8	56.9 / -1.99	OTTAWA ON	WWIS
Well ID:	7291127		Data Entry Status:		
Construction Date:			Data Src:		
Primary Water Use:	Test Hole		Date Received: 7/28/2017		
Sec. Water Use:	Monitoring		Selected Flag: Yes		
Final Well Status:	Monitoring and Test Hole		Abandonment Rec:		
Water Type:			Contractor: 7241		
Casing Material:			Form Version: 7		
Audit No:	Z258502		Owner:		
Tag:	A190883		Street Name: 196 BEECHWOOD		
Construction Method:			County: OTTAWA-CARLETON		
Elevation (m):			Municipality: GLOUCESTER TOWNSHIP		
Elevation Reliability:			Site Info:		
Depth to Bedrock:			Lot:		
Well Depth:			Concession:		
Overburden/Bedrock:			Concession Name:		
Pump Rate:			Easting NAD83:		
Static Water Level:			Northing NAD83:		
Flowing (Y/N):			Zone:		
Flow Rate:			UTM Reliability:		
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006673037	Elevation:	56.797336
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	447531
Code OB Desc:		North83:	5032320
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/15/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006817632			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		1.83			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006817633			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		13			
Most Common Material:		BOULDERS			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		28			
Other Materials:		SAND			
Formation Top Depth:		1.83			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006817643			
Layer:		3			
Plug From:		1.22			
Plug To:		4.57			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006817641			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006817642			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	2				
Plug From:	0.31				
Plug To:	1.22				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1006817631				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1006817636				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0				
Depth To:	1.5				
Casing Diameter:	3.45				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1006817637				
Layer:	1				
Slot:	10				
Screen Top Depth:	1.5				
Screen End Depth:	4.57				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	4.21				
<u>Hole Diameter</u>					
Hole ID:	1006817634				
Diameter:	8				
Depth From:	0				
Depth To:	4.57				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				

[23](#)

1 of 1

SSW/137.9

56.9 / -1.99

Ottawa ON

[WWIS](#)

Well ID: 7291126
 Construction Date:
 Primary Water Use: Test Hole
 Sec. Water Use: Monitoring
 Final Well Status: Monitoring and Test Hole

Data Entry Status:
 Data Src:
 Date Received: 7/28/2017
 Selected Flag: Yes
 Abandonment Rec:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z258503			Owner:	
Tag:	A199185			Street Name:	196 BEACHWOOD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006673034	Elevation:	56.777221
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	447522
Code OB Desc:		North83:	5032320
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/12/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1006817619
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1.83
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006817620
Layer:	2
Color:	2
General Color:	GREY
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	11
Other Materials:	GRAVEL
Mat3:	28

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:		SAND			
Formation Top Depth:		1.83			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006817628			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006817630			
Layer:		3			
Plug From:		1.22			
Plug To:		4.57			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006817629			
Layer:		2			
Plug From:		0.31			
Plug To:		1.22			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		7			
Method Construction Code:		Diamond			
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006817618			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006817623			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.5			
Casing Diameter:		3.45			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID:		1006817624			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.57			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21			
<u>Hole Diameter</u>					
Hole ID:		1006817621			
Diameter:		8			
Depth From:		0			
Depth To:		4.57			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

24	1 of 1	E/143.2	55.9 / -3.05	37 Jolliete Ave Ottawa ON	SPL
Ref No:	7026-ANSMA6			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/29/2017			Health/Env Conseq:	1 - Administrative
Year:				Client Type:	
Incident Cause:				Sector Type:	Unknown / N/A
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	37 Jolliete Ave
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/29/2017			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	Operator/Human Error			Source Type:	Pipeline/Components
Site Name:	Line Damage<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA/FSB: Plastic 1/2 in IP Line Damage- Made Safe				
Contaminant Qty:	0 other - see incident description				

25	1 of 1	S/150.9	56.9 / -1.99	196 Beechwood Ave Ottawa ON K1L8A9	EHS
Order No:	20140812038			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	18-AUG-14			Search Radius (km):	.25
Date Received:	12-AUG-14			X:	-75.6709
Previous Site Name:				Y:	45.442306
Lot/Building Size:	0.1				
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	1 of 1	S/150.9	56.9 / -1.99	PRIVATE RESIDENCE 196 BEECHWOOD AVE FURNACE OIL TANK VANIER CITY ON K1L 8A9	SPL
Ref No:	120209			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	10/30/1995			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	NOT ANTICIPATED			Site Municipality:	20102
Nature of Impact:				Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	10/30/1995			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	UNKNOWN			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	PRIVATE FURNACE TANK- SMALL AMOUNT OIL TO CON- CRETE BSMT.				
Contaminant Qty:					

27	1 of 1	SW/152.3	58.0 / -0.97	141 Beechwood Ave Ottawa ON K1M 1L4	EHS
Order No:	20121005039			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	15-OCT-12			Search Radius (km):	.25
Date Received:	05-OCT-12			X:	-75.671617
Previous Site Name:				Y:	45.442428
Lot/Building Size:					
Additional Info Ordered:					

28	1 of 1	E/156.0	55.1 / -3.83	PRIVATE RESIDENCE 243 FERIND STREET FURNACE OIL TANK VANIER CITY ON	SPL
Ref No:	126760			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	5/21/1996			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	OTHER CONTAINER LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	20102
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>MOE Response: Dt MOE Arvl on Scrn: MOE Reported Dt: 5/21/1996 Dt Document Closed: Incident Reason: CORROSION Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: PRIVATE RESIDENCE: 20 L OF FURNACE OIL LEAKED TO GROUND. Contaminant Qty:</p> <p>Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:</p>					
29	1 of 15	SW/156.5	58.9 / -0.04	City of Ottawa South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	ECA
<p>Approval No: 1164-AK3S8L Approval Date: 2017-03-10 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: South of Keefer & Stanley Streets Intersection S Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8606-A8KPJB-14.pdf</p> <p>MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:</p>					
29	2 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Keefer St , (Keefer Street and River Lane) Ottawa ON K2G 6J8	ECA
<p>Approval No: 4305-7DJK4L Approval Date: 2008-05-29 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Keefer St , (Keefer Street and River Lane) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6292-7CMLCU-14.pdf</p> <p>MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:</p>					
29	3 of 15	SW/156.5	58.9 / -0.04	The Corporation of the City of Ottawa Ivy Crescent (MacKay to MacKay) Ottawa ON K1N 5A1	ECA
<p>Approval No: 2437-4H6R52 Approval Date: 2000-03-09 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Ivy Crescent (MacKay to MacKay) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4364-4GLQM7-14.pdf</p> <p>MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	4 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Avon Lane Ottawa ON K2G 6J8	ECA
Approval No:	0837-79ZSA7			MOE District:	Ottawa
Approval Date:	2007-12-19			City:	
Status:	Approved			Longitude:	-75.67190000000001
Record Type:	ECA			Latitude:	45.4425
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-Municipal Drinking Water Systems				
Project Type:	Municipal Drinking Water Systems				
Address:	Avon Lane				
Full Address:					
Full PDF Link:					
29	5 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	ECA
Approval No:	0949-5P3Q8B			MOE District:	Ottawa
Approval Date:	2003-07-07			City:	
Status:	Approved			Longitude:	-75.67190000000001
Record Type:	ECA			Latitude:	45.4425
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	Sussex Drive (King Edward Ave , to Mackay St.)				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1914-5NERUT-14.pdf				
29	6 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	ECA
Approval No:	9099-7D3S8Y			MOE District:	Ottawa
Approval Date:	2008-03-27			City:	
Status:	Approved			Longitude:	-75.67190000000001
Record Type:	ECA			Latitude:	45.4425
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	Keefer Street (Stanley Ave. to Crichton St.)				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8733-7CNRTJ-14.pdf				
29	7 of 15	SW/156.5	58.9 / -0.04	The Regional Municipality of Ottawa-Carleton Chapleau Putman and Langevin Ottawa ON K2P 2L7	ECA
Approval No:	8751-4LQQ8G			MOE District:	Ottawa
Approval Date:	2000-06-28			City:	
Status:	Approved			Longitude:	-75.67190000000001
Record Type:	ECA			Latitude:	45.4425
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-Municipal and Private Water Works				
Project Type:	Municipal and Private Water Works				
Address:	Chapleau Putman and Langevin				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Full Address: Full PDF Link:					
29	8 of 15	SW/156.5	58.9 / -0.04	The Regional Municipality of Ottawa-Carleton Ivy Cres. Putman Ave. Bertrand St Ottawa ON K2P 2L7	ECA
Approval No: 2785-4H6RE9 Approval Date: 2000-03-09 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal and Private Water Works Project Type: Municipal and Private Water Works Address: Ivy Cres. Putman Ave. Bertrand St Full Address: Full PDF Link:		MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:			
29	9 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	ECA
Approval No: 1500-4X6Q6W Approval Date: 2001-06-21 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal and Private Water Works Project Type: Municipal and Private Water Works Address: Avon Lane(Dufferin to 90 m West) Full Address: Full PDF Link:		MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:			
29	10 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Ottawa ON K1P 1J1	ECA
Approval No: 1491-5K6QQV Approval Date: 2003-03-13 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal and Private Water Works Project Type: Municipal and Private Water Works Address: Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Full Address: Full PDF Link:		MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:			
29	11 of 15	SW/156.5	58.9 / -0.04	City of Ottawa South of Keefer & Stanley Streets Intersection S Ottawa ON K1P 1J1	ECA
Approval No: 4691-5UZQRC Approval Date: 2004-01-19 Status: Revoked and/or Replaced		MOE District: Ottawa City: Longitude: -75.67190000000001			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: South of Keefer & Stanley Streets Intersection S Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7364-5R7QYU-14.pdf				Latitude: 45.4425 Geometry X: Geometry Y:	
29	12 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	ECA
Approval No: 2742-5KSKYE Approval Date: 2003-04-03 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Sussex Drive (King Edward Ave , to Mackay St.) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6421-5JYTKR-14.pdf				MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:	
29	13 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	ECA
Approval No: 1819-7D3SEB Approval Date: 2008-03-27 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems Address: Keefer Street (Stanley Ave. to Crichton St.) Full Address: Full PDF Link:				MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:	
29	14 of 15	SW/156.5	58.9 / -0.04	City of Ottawa Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	ECA
Approval No: 8765-4X8RFT Approval Date: 2001-06-19 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Avon Lane(Dufferin to 90 m West) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0208-4X6KVQ-14.pdf				MOE District: Ottawa City: Longitude: -75.67190000000001 Latitude: 45.4425 Geometry X: Geometry Y:	
29	15 of 15	SW/156.5	58.9 / -0.04	City of Ottawa South of Keefer & Stanley Streets Intersection S	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON K2G 6J8					
Approval No:	3940-AMMP57			MOE District:	Ottawa
Approval Date:	2017-05-31			City:	
Status:	Approved			Longitude:	-75.67190000000001
Record Type:	ECA			Latitude:	45.4425
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Address:	South of Keefer & Stanley Streets Intersection S				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4251-AKWH9U-14.pdf				
30	1 of 1	ENE/161.5	55.8 / -3.17	259 Garneau Street Ottawa ON	SPL
Ref No:	6256-ANGRLR			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/19/2017			Health/Env Conseq:	2 - Minor Environment
Year:				Client Type:	
Incident Cause:				Sector Type:	Other
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	259 Garneau Street
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/19/2017			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	Operator/Human Error			Source Type:	Pipeline/Components
Site Name:	Residential<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB: 1/2 in pl service IP dmg; made sade				
Contaminant Qty:	0 other - see incident description				
31	1 of 1	SSW/161.8	58.0 / -0.97	Ottawa ON	WWIS
Well ID:	7196179			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	1/28/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z153006			Owner:	
Tag:	A141922			Street Name:	143 PUTMAN AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004245005			Elevation:	56.824493
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	447483
Code OB Desc:				North83:	5032306
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12/27/2012			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004780978				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:	73				
Other Materials:	HARD				
Formation Top Depth:	0				
Formation End Depth:	2.13				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004780979				
Layer:	2				
Color:	8				
General Color:	BLACK				
Mat1:	17				
Most Common Material:	SHALE				
Mat2:					
Other Materials:					
Mat3:	91				
Other Materials:	WATER-BEARING				
Formation Top Depth:	2.13				
Formation End Depth:	6.1				
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1004780988				
Layer:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004780990			
Layer:		3			
Plug From:					
Plug To:		6.1			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004780989			
Layer:		2			
Plug From:					
Plug To:		2.47			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004780977			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004780983			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3.1			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004780984			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.1			
Screen End Depth:		6.1			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			

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

Hole ID: 1004780980
 Diameter: 11.43
 Depth From: 0
 Depth To: 3.96
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1004780981
 Diameter: 7.62
 Depth From: 3.96
 Depth To: 6.1
 Hole Depth UOM: m
 Hole Diameter UOM: cm

[32](#) 1 of 1 **ENE/162.9** **56.0 / -2.95** **Enbridge Gas Distribution Inc.**
252 Garneau St, Vanier
Ottawa ON **SPL**

Ref No:	0521-ANBN3D	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/14/2017	Health/Env Conseq:	2 - Minor Environment Corporation
Year:		Client Type:	Miscellaneous Communal
Incident Cause:		Sector Type:	
Incident Event:	Leak/Break	Agency Involved:	
Contaminant Code:	35	Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)	Site Address:	252 Garneau St, Vanier
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:	1075	Site Region:	Eastern
Environment Impact:		Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:	Air	Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	6/14/2017	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	Operator/Human Error	Source Type:	Pipeline/Components
Site Name:	residential aite<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA - Enbridge, 1/2" plastic service line damaged, made safe		
Contaminant Qty:	0 other - see incident description		

[33](#) 1 of 2 **SSW/165.3** **58.0 / -0.97** **143 Putman Ave**
Ottawa ON K1M 1Z8 **EHS**

Order No:	20191127029	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	RSC Report (Urban)	Client Prov/State:	ON
Report Date:	02-DEC-19	Search Radius (km):	.3
Date Received:	27-NOV-19	X:	-75.671629
Previous Site Name:		Y:	45.442303
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	2 of 2	SSW/165.3	58.0 / -0.97	143 Putman Ave Ottawa ON K1M 1Z8	EHS
Order No:	20191127029			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	RSC Report (Urban)			Client Prov/State:	ON
Report Date:	02-DEC-19			Search Radius (km):	.3
Date Received:	27-NOV-19			X:	-75.671629
Previous Site Name:				Y:	45.442303
Lot/Building Size:					
Additional Info Ordered:					
34	1 of 1	E/169.1	55.1 / -3.83	PRIVATE RESIDENCE 247 FERIAND FURNACE OIL TANK VANIER CITY ON K1L 7T5	SPL
Ref No:	177055			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	1/27/2000			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	PIPE/HOSE LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	20102
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	1/28/2000			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	MATERIAL FAILURE			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	PRIVATE RESIDENCE: UNDER-GROUND FURNACE OIL LINE LEAK. ESCAVATING.				
Contaminant Qty:					
35	1 of 1	NE/173.2	57.1 / -1.81	261 Garneau St Ottawa ON	SPL
Ref No:	6838-9K9NF9			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2014/05/19			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Leak/Break			Sector Type:	Structure
Incident Event:				Agency Involved:	
Contaminant Code:	12			Nearest Watercourse:	
Contaminant Name:	GASOLINE			Site Address:	261 Garneau St
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Confirmed			Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	No Field Response			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MOE Reported Dt: 2014/05/19 Dt Document Closed: 2014/11/07 Incident Reason: Operator/Human Error Site Name: cb<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Ottawa CB impacted by gasoline Contaminant Qty: 0 L Site Map Datum: SAC Action Class: Land Spills Source Type:					
36	1 of 1	SE/176.6	55.6 / -3.36	43 Ste. Cecile Ottawa ON	EHS
Order No: 20150630044 Status: C Report Type: Custom Report Report Date: 08-JUL-15 Date Received: 30-JUN-15 Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.669306 Y: 45.442395					
37	1 of 10	SSW/184.8	56.9 / -2.05	PETRO-CANADA PETROCANADA AT 188 BEACHWOOD AVE SERVICE STATION VANIER CITY ON	SPL
Ref No: 118341 Site No: Incident Dt: 9/10/1995 Year: Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: POSSIBLE Nature of Impact: Water course or lake Receiving Medium: LAND / WATER Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 9/10/1995 Dt Document Closed: Incident Reason: ERROR Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: PETRO-CANADA- 2L OF GAS- OLINE TO GROUND. FLUSHED DOWN CATCH-BASIN.CLEANED. Contaminant Qty: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20102 Site Lot: Site Conc: Northing: Easting: WORKS, FIRE DEPT Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:					
37	2 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L8A9	PRT
Location ID: 16158 Type: retail Expiry Date: 1996-03-31					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Capacity (L):		58400			
Licence #:		0050017001			
37	3 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No:		9692065			
Instance ID:					
Instance Type:		FS Facility			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/14/1999			
37	4 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No:		11030396			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/14/1999			
37	5 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No:		11030403			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/14/1999			
37	6 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON	EXP
Instance No:		11030412			
Instance ID:		63542			
Instance Type:		FS Liquid Fuel Tank			
Description:		FS Liquid Fuel Tank			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
37	7 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030420 63466 FS Piping FS Piping EXPIRED 			
37	8 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030403 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 4/14/1999			
37	9 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030412 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 4/14/1999			
37	10 of 10	SSW/184.8	56.9 / -2.05	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030396 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 4/14/1999			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
38	1 of 1	E/194.9	55.9 / -3.05	240 Ferland Street, Ottawa, Ontario Ottawa ON	EHS
Order No:	20190806046			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	12-AUG-19			Search Radius (km):	.25
Date Received:	06-AUG-19			X:	-75.668295
Previous Site Name:				Y:	45.443442
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches				
39	1 of 1	ENE/202.8	57.0 / -1.91	26 LAVERGNE STREET OTTAWA ON	HINC
External File Num:	FS INC 0902-01063				
Fuel Occurrence Type:	CO Release				
Date of Occurrence:	2/25/2009				
Fuel Type Involved:	Natural Gas				
Status Desc:	Completed - Causal Analysis(End)				
Job Type Desc:	Incident/Near-Miss Occurrence (FS)				
Oper. Type Involved:	Multi-unit Residential				
Service Interruptions:	Yes				
Property Damage:	No				
Fuel Life Cycle Stage:	Utilization				
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:Yes Design:No Training:No Management:Yes Human Factors:Yes				
Reported Details:					
Fuel Category:	Unknown				
Occurrence Type:	Incident				
Affiliation:	Safety Authorities (MOL, ESA, Insurers, etc.)				
County Name:	Ottawa				
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					
40	1 of 2	WNW/214.6	73.2 / 14.22	OTTAWA CITY ROCKCLIFFE WAY/LAMBTON AVE. OTTAWA CITY ON	CA
Certificate #:	3-0352-94-				
Application Year:	94				
Issue Date:	4/25/1994				
Approval Type:	Municipal sewage				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
40	2 of 2	WNW/214.6	73.2 / 14.22	R.M. OF OTTAWA-CARLETON ROCKCLIFFE WAY/LAMBTON AVE. OTTAWA CITY ON	CA
Certificate #:	7-0264-94-				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Application Year:		94			
Issue Date:		4/25/1994			
Approval Type:		Municipal water			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

41	1 of 1	SSW/214.8	56.8 / -2.18	ON	BORE
Borehole ID:	613778			Inclin FLG:	No
OGF ID:	215514961			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	APR-1971			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.441908
Total Depth m:	3.4			Longitude DD:	-75.671925
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	447451
Drill Method:				Northing:	5032262
Orig Ground Elev m:	57.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	57.3				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218396576			Mat Consistency:	Dense
Top Depth:	2.3			Material Moisture:	
Bottom Depth:	3.4			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. BLACK,SOUND. 0000807900025100DENSE TO VERY DENSE. BEDROCK. BEDROCK. 00000 012 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218396574			Mat Consistency:	
Top Depth:	.2			Material Moisture:	
Bottom Depth:	.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL. DARK,BROWN.				
Geology Stratum ID:	218396573			Mat Consistency:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	0 .2 Concrete	 ARTIFICIAL.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218396575 .8 2.3 Black Bedrock Shale	 BEDROCK. BLACK,WEATHERED.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 062860 NTS_Sheet: 31G05G Logged by professional. Exact and complete description of material and properties.			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
42	1 of 1	E/216.1	56.9 / -2.00	PRIVATE RESIDENCE 250 FERIAND STREET VANIER FURNACE OIL TANK GLOUCESTER CITY ON K1L 7T6	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn:	53797 7/9/1991 UNDERGROUND TANK LEAK POSSIBLE Soil contamination LAND			Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu:	 20105 TRIANGLE FUEL, ENV.CANADA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Coating, Engraving, Heat Treating and Allied Activities			
SIC/NAICS Code:		332810			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
Description:		Jewellery and Silverware Manufacturing			
SIC/NAICS Code:		339910			
Description:		All Other Miscellaneous Manufacturing			
SIC/NAICS Code:		339990			
44	2 of 4	SSE/218.8	55.9 / -3.05	Regimbal Trophy & Engraving Ltd. 29 Marier Ave Vanier ON K1L 5S6	SCT
Established:		1926			
Plant Size (ft²):					
Employment:		3			
44	3 of 4	SSE/218.8	55.9 / -3.05	Regimbal Promotions Ltd. 29 Marier Ave Vanier ON K1L 5S6	SCT
Established:		01-JUL-26			
Plant Size (ft²):		800			
Employment:					
--Details--					
Description:		Coating, Engraving, Heat Treating and Allied Activities			
SIC/NAICS Code:		332810			
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Jewellery and Silverware Manufacturing			
SIC/NAICS Code:		339910			
Description:		All Other Miscellaneous Manufacturing			
SIC/NAICS Code:		339990			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
44	4 of 4	SSE/218.8	55.9 / -3.05	29 Marier Avenue Vanier ON K1L 5S6	EHS
Order No:		20120831008		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		07-SEP-12		Search Radius (km): .25	
Date Received:		31-AUG-12		X: -75.670194	
Previous Site Name:				Y: 45.441585	
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	1 of 1	E/221.7	60.6 / 1.68	38 Lavergne St Ottawa ON K1L5G3	EHS
Order No:	20170216034			Nearest Intersection:	
Status:	C			Municipality:	Vanier/Gloucester
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	22-FEB-17			Search Radius (km):	.25
Date Received:	16-FEB-17			X:	-75.668031
Previous Site Name:				Y:	45.444184
Lot/Building Size:					
Additional Info Ordered:					
46	1 of 1	WSW/222.6	58.9 / 0.00	The Corporation of the City of Ottawa Chapleau Putman and Langevin Ottawa ON K1N 5A1	ECA
Approval No:	8817-4LQQ35			MOE District:	Ottawa
Approval Date:	2000-06-28			City:	
Status:	Approved			Longitude:	-75.67190000000001
Record Type:	ECA			Latitude:	45.4425
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	Chapleau Putman and Langevin				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6330-4LFS2Z-14.pdf				
47	1 of 2	WSW/227.4	61.9 / 2.95	WAWA DESIGN 105 PUTMAN AVE OTTAWA ON K1M 1Z5	SCT
Established:	1975				
Plant Size (ft²):	600				
Employment:	3				
--Details--					
Description:	BOOKS: PUBLISHING, OR PUBLISHING AND PRINTING				
SIC/NAICS Code:	2731				
Description:	MISCELLANEOUS PUBLISHING				
SIC/NAICS Code:	2741				
Description:	COMMERCIAL PRINTING, LITHOGRAPHIC				
SIC/NAICS Code:	2752				
Description:	COMMERCIAL PRINTING, NOT ELSEWHERE CLASSIFIED				
SIC/NAICS Code:	2759				
Description:	Book Publishers				
SIC/NAICS Code:	51130				
47	2 of 2	WSW/227.4	61.9 / 2.95	Wawa Design Reg'd. 105 Putman Ave Ottawa ON K1M 1Z5	SCT
Established:	1975				
Plant Size (ft²):	600				
Employment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Description:		Sign Manufacturing			
SIC/NAICS Code:		339950			
Description:		Book Publishers			
SIC/NAICS Code:		511130			
Description:		Graphic Design Services			
SIC/NAICS Code:		541430			
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			

48	1 of 1	E/230.2	58.6 / -0.33	Enbridge Gas Distribution Inc. in front of 42 Lavergne Street Ottawa ON	SPL
Ref No:		2572-AS7QTX		Discharger Report:	
Site No:		NA		Material Group:	
Incident Dt:		2017/10/16		Health/Env Conseq: 2 - Minor Environment Corporation	
Year:				Client Type: Unknown / N/A	
Incident Cause:				Sector Type:	
Incident Event:		Leak/Break		Agency Involved:	
Contaminant Code:		35		Nearest Watercourse:	
Contaminant Name:		NATURAL GAS (METHANE)		Site Address: in front of 42 Lavergne Street	
Contaminant Limit 1:				Site District Office: Ottawa	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:		1075		Site Region: Eastern	
Environment Impact:				Site Municipality: Ottawa	
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:		Air		Northing: 5032516.02	
MOE Response:		No		Easting: 447783.6	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:		2017/10/16		Site Map Datum:	
Dt Document Closed:		2017/10/21		SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill	
Incident Reason:		Operator/Human Error		Source Type: Pipeline/Components	
Site Name:		Gas main<UNOFFICIAL>			
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		TSSA FSB; 4-in gas main blowing; evacuation			
Contaminant Qty:		0 other - see incident description			

49	1 of 1	ESE/230.7	55.2 / -3.75	Enbridge Gas Distribution Inc. 230 Hector-Hotty Way Ottawa ON	SPL
Ref No:		0874-APTQLM		Discharger Report:	
Site No:		NA		Material Group:	
Incident Dt:		8/1/2017		Health/Env Conseq: 2 - Minor Environment Corporation	
Year:				Client Type: Miscellaneous Industrial	
Incident Cause:				Sector Type:	
Incident Event:		Leak/Break		Agency Involved:	
Contaminant Code:		35		Nearest Watercourse:	
Contaminant Name:		NATURAL GAS (METHANE)		Site Address: 230 Hector-Hotty Way	
Contaminant Limit 1:		0		Site District Office: Ottawa	
Contam Limit Freq 1:		none		Site Postal Code:	
Contaminant UN No 1:		1075		Site Region: Eastern	
Environment Impact:				Site Municipality: Ottawa	
Nature of Impact:				Site Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Receiving Medium: Receiving Env: Air MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 8/1/2017 Dt Document Closed: 10/21/2017				Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Pipeline/Components	
Incident Reason: Operator/Human Error Site Name: residential property<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSAfsb ½ in pl IP gas srvc dmgd, made safe Contaminant Qty: 0 other - see incident description				Source Type:	

50	1 of 1	SE/234.4	55.9 / -3.05	Ste. Cecile and Genest Ottawa ON	SPL
Ref No: 8615-AQKK4T Site No: NA Incident Dt: 8/23/2017 Year: Incident Cause: Incident Event: Leak/Break Contaminant Code: 99 Contaminant Name: WATER Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: n/a Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Surface Water MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 8/25/2017 Dt Document Closed: Incident Reason: Operator/Human Error Site Name: Road Sewer and Watermain Construction Lavergne S<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Ottawa water release from holding tank Contaminant Qty: 20000 L				Discharger Report: Material Group: Health/Env Conseq: 2 - Minor Environment Client Type: Sector Type: Miscellaneous Communal Agency Involved: Nearest Watercourse: Site Address: Ste. Cecile and Genest Site District Office: Ottawa Site Postal Code: Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: Northing: 5032262 Easting: 447674 Site Geo Ref Accu: Site Map Datum: SAC Action Class: Watercourse Spills Source Type: Valve/Fitting/Piping	

51	1 of 1	ESE/237.6	55.6 / -3.36	43 Ste-Cecile Ottawa ON	EHS
Order No: 20031112011 Status: C Report Type: Site Report Report Date: 11/13/03 Date Received: 11/12/03 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.669548 Y: 45.44224	

52	1 of 1	SW/246.0	57.9 / -1.05	121 Beechwood Ave Ottawa ON K1M1L5	EHS
Order No: 20140303034 Status: C				Nearest Intersection: Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type: Custom Report Report Date: 07-MAR-14 Date Received: 03-MAR-14 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Client Prov/State: ON Search Radius (km): .25 X: -75.672618 Y: 45.441871	
53	1 of 1	NW/247.7	72.7 / 13.74	sensIRscan Thermography Inc. 109 Acacia Ave Ottawa ON K1N 1C5	SCT
Established: 1987 Plant Size (ft²): Employment: 1					
--Details-- Description: Other Printing SIC/NAICS Code: 323119					
54	1 of 1	ESE/248.7	55.9 / -3.02	VANIER ON	WWIS
Well ID: 7213440 Construction Date: Primary Water Use: Monitoring and Test Hole Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: Z179952 Tag: A155670 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Data Entry Status: Data Src: Date Received: 12/18/2013 Selected Flag: Yes Abandonment Rec: Contractor: 7241 Form Version: 7 Owner: Street Name: 67 MORGETTE AVE County: OTTAWA-CARLETON Municipality: GLOUCESTER TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1004670399 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 11/18/2013 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 57.018676 Elevrc: Zone: 18 East83: 447744 North83: 5032310 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005025885			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		85			
Other Materials:		SOFT			
Mat3:					
Other Materials:					
Formation Top Depth:		1.5			
Formation End Depth:		3.1			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005025886			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		3.1			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005025884			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		04			
Other Materials:		PEAT			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005025896			
Layer:		3			
Plug From:		2.75			
Plug To:		4.57			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1005025894			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005025895			
Layer:		2			
Plug From:		0.31			
Plug To:		2.74			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005025883			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005025889			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3.1			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005025890			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.1			
Screen End Depth:		4.57			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21			
<u>Hole Diameter</u>					
Hole ID:		1005025887			
Diameter:		8.25			
Depth From:		0			
Depth To:		4.57			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			

Unplottable Summary

Total: **24** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Acacia Avenue	Ottawa ON	
CA	Petro-Canada		Ottawa ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON	
ECA	Mattamy (Half Moon Bay 3) Limited	Greenbank Rd West of, 500m South of Cambrian Road	Ottawa ON	K2K 2M5
ECA	City of Ottawa	Lavergne St Joliet Ave, Montfort St, Ste-Cecile St, Garneau St, Ferland St, Frechette St, Ste. Monique St, Perrier Ave, and Hector-Hotte Way	Ottawa ON	K1P 1J1
ECA	Petro-Canada Inc.		Ottawa ON	L6L 6N5
ECA	City of Ottawa	Acacia Avenue	Ottawa ON	K2G 6J8
RST	ALMONTE GROCERY & GAS BAR	HIGHWAY 44	OTTAWA ON	K0A 1A0
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON	
SPL	Petro Canada Fuels<UNOFFICIAL>	West of Eagleson	Ottawa ON	
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON	
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	

WWIS	lot 3	ON
WWIS	lot 3	ON
WWIS	lot 3	ON
WWIS	lot 3	ON
WWIS	lot 4	ON
WWIS	lot 4	ON

Unplottable Report

Site: City of Ottawa
Acacia Avenue Ottawa ON

Database:
CA

Certificate #: 9305-5Y4K5F
Application Year: 2004
Issue Date: 4/16/2004
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: Petro-Canada
Ottawa ON

Database:
CA

Certificate #: 5607-79YMZ8
Application Year: 2008
Issue Date: 2/12/2008
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: IMPERIAL OIL LIMITED
DON MILLS ON

Database:
CONV

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District:

Additional Details

Publication Date:

Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: \$6,000
Synopsis:

Site: **IMPERIAL OIL LIMITED**
NORTH YORK ON

Database:
CONV

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: \$4,000
Synopsis:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: \$1,000
Synopsis:

Site: **Mattamy (Half Moon Bay 3) Limited**
Greenbank Rd West of, 500m South of Cambrian Road Ottawa ON K2K 2M5

Database:
ECA

Approval No: 4191-A2WP9Y
Approval Date: 2015-10-09
Status: Approved

MOE District:
City:
Longitude:

Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Greenbank Rd West of, 500m South of Cambrian Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5535-A2GQTG-14.pdf>

Site: **City of Ottawa** **Database:**
Lavergne St Jolliet Ave, Montfort St, Ste-Cecile St, Garneau St, Ferland St, Frechette St, Ste. Monique St, Perrier Ave, and Hector-Hotte Way Ottawa ON K1P 1J1 **ECA**

Approval No: 0389-ANGNHW **MOE District:**
Approval Date: 2017-07-12 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Lavergne St Jolliet Ave, Montfort St, Ste-Cecile St, Garneau St, Ferland St, Frechette St, Ste. Monique St, Perrier Ave, and Hector-Hotte Way
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9370-AN6PVM-14.pdf>

Site: **Petro-Canada Inc.** **Database:**
Ottawa ON L6L 6N5 **ECA**

Approval No: 4810-4UMJP8 **MOE District:**
Approval Date: 2001-03-12 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf>

Site: **City of Ottawa** **Database:**
Acacia Avenue Ottawa ON K2G 6J8 **ECA**

Approval No: 1231-5Y4K88 **MOE District:**
Approval Date: 2004-04-16 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: Acacia Avenue
Full Address:
Full PDF Link:

Site: **ALMONTE GROCERY & GAS BAR** **Database:**
HIGHWAY 44 OTTAWA ON K0A 1A0 **RST**

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas
Phone: 6132563633
List Name:
Description:

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

Database:
SPL

Ref No: 0874-78WNRU
Site No:
Incident Dt:
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: soil contamination
Receiving Medium: Land
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/13/2007
Dt Document Closed: 11/16/2007
Incident Reason: Equipment Failure
Site Name: 1961 Merivale Rd<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Errentom Tanklines - 8L diesel to grd
Contaminant Qty: 8 L

Discharger Report:
Material Group: Oil
Health/Env Conseq:
Client Type:
Sector Type: Tank Truck
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: Petro Canada Fuels<UNOFFICIAL>
West of Eagleson Ottawa ON

Database:
SPL

Ref No: 7820-9Q5NJP
Site No: NA
Incident Dt: 2014/10/22
Year:
Incident Cause: Unknown / N/A
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/10/22
Dt Document Closed: 2014/10/24
Incident Reason: Unknown / N/A
Site Name: Fallowfield Rd<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Petro Canada Fuels, 50L Diesel to rd, Cln
Contaminant Qty: 50 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Truck - Tanker
Agency Involved:
Nearest Watercourse:
Site Address: West of Eagleson
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Highway Spills (usually highway accidents)
Source Type:

Site: ESSO PETROLEUM CANADA
BULK STATION OTTAWA CITY ON

Database:
SPL

Ref No: 155190
Site No:
Incident Dt: 5/1/1998

Discharger Report:
Material Group:
Health/Env Conseq:

Year:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/1/1998
Dt Document Closed:
Incident Reason: NEGLIGENCE (APPARENT)
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO-156 L DIESEL TO LOT,LOADING ARM NOT IN TRUCKSCOMPARTMENT,PUMP STARTED.
Contaminant Qty:

Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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

Database:
 SPL

Ref No: 46877
Site No:
Incident Dt: 2/21/1991
Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/21/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: PETRO-CANADA
 SERVICE STATION OTTAWA CITY ON

Database:
 SPL

Ref No: 30833
Site No:
Incident Dt: 2/12/1990
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101

Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/12/1990
Dt Document Closed:
Incident Reason: CORROSION
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: PETRO CANADA SERVICE STN.FURANCE OIL LEAK.
Contaminant Qty:

Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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

Database:
SPL

Ref No: 47843
Site No:
Incident Dt: 3/19/1991
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/20/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L.HEATING OIL ON GROUND
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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

Database:
SPL

Ref No: 59519
Site No:
Incident Dt: 11/7/1991
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/7/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site County/District:
Site Geo Ref Meth:
Incident Summary:
Contaminant Qty:

ESSO-3 LITRES DIESEL FUEL TO GRND UNDER LOADING RACK, COUPLING NOT CLOSED

Site:
lot 3 ON

Database:
WWIS

Well ID: 1531215
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 217004
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/21/2000
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 003
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052749
DP2BR: 28
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/31/2000
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931077852
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931077853
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 62
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933116387
Layer: 1
Plug From: 2
Plug To: 33
Plug Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10601319
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092222
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092223
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092224
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531215
Pump Set At:
Static Level: 15
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 18
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934665314
Test Type: Recovery
Test Duration: 45
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934121177
Test Type: Recovery
Test Duration: 15
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396588
Test Type: Recovery
Test Duration: 30
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913859
Test Type: Recovery
Test Duration: 60
Test Level: 15
Test Level UOM: ft

Water Details

Water ID: 933491579
Layer: 1

Kind Code: 1
Kind: FRESH
Water Found Depth: 48
Water Found Depth UOM: ft

Water Details

Water ID: 933491581
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 55
Water Found Depth UOM: ft

Water Details

Water ID: 933491580
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
[WWIS](#)

Well ID: 1531723
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 220258
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/26/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10053257
DP2BR: 37
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/28/2000
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931079339
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 14
Other Materials: HARDPAN
Mat3:
Other Materials:
Formation Top Depth: 42
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931079336
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 81
Other Materials: SANDY
Mat3: 05
Other Materials: CLAY
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931079338
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 37
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931079337
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 37
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933116887
Layer: 1
Plug From: 0
Plug To: 42
Plug Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10601827
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930093304
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 18
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531723
Pump Set At:
Static Level: 23
Final Level After Pumping: 30
Recommended Pump Depth: 50
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 12
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934658679
Test Type: Draw Down
Test Duration: 45
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397743
Test Type: Draw Down
Test Duration: 30
Test Level: 28
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934916125
Test Type: Draw Down
Test Duration: 60
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934114544
Test Type: Draw Down
Test Duration: 15
Test Level: 28
Test Level UOM: ft

Water Details

Water ID: 933492311
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

Site: lot 3 ON

Database: WWIS

Well ID: 1524826
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56399
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/17/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046572
DP2BR: 37
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 1/9/1990

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

Remarks:

Elevrc Desc:

Location Source Date:

Improvement Location Source:

Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931059226
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 37
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931059227
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 37
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931059225
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 28
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID:

Method Construction Code:

Method Construction:

Other Method Construction:

5
Air Percussion

Pipe Information

Pipe ID: 10595142
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081533
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081532
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 40
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524826
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 25
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934903572
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385417
Test Type:
Test Duration: 30
Test Level: 40

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110008
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655195
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933483584
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1530280
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 175701
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 11/16/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 9999
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051815
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 9/21/1998
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

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

Source Revision Comment:
Supplier Comment:

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933115411
Layer: 1
Plug From: 0
Plug To: 75
Plug Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10600385
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090290
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To:
Casing Diameter: 28
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933490347
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 25
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1525010
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 80369
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 10/31/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 003
Concession:

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

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

Bore Hole Information

Bore Hole ID: 10046752
DP2BR: 96
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/18/1990
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931059749
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 74
Other Materials: LAYERED
Mat3: 78
Other Materials: MEDIUM-GRAINED
Formation Top Depth: 96
Formation End Depth: 175
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059747
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 85
Formation End Depth: 94
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059744
Layer: 1
Color: 6
General Color: BROWN

Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 24
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931059748
Layer: 5
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 94
Formation End Depth: 96
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931059746
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 90
Other Materials: VERY
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 43
Formation End Depth: 85
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931059745
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 24
Formation End Depth: 43
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID:
Method Construction Code: 5

Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595322
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081879
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 175
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081878
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 99
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525010
Pump Set At:
Static Level: 73
Final Level After Pumping: 100
Recommended Pump Depth: 150
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934904162
Test Type: Draw Down
Test Duration: 60
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655788
Test Type: Draw Down

Test Duration: 45
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386009
Test Type: Draw Down
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110602
Test Type: Draw Down
Test Duration: 15
Test Level: 100
Test Level UOM: ft

Water Details

Water ID: 933483829
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 168
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1525011
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 80368
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/31/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046753
DP2BR: 103
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/21/1990
Remarks:
Elevrc Desc:
Location Source Date:

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

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

Overburden and Bedrock
Materials Interval

Formation ID: 931059754
Layer: 5
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 79
Formation End Depth: 103
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059752
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 90
Other Materials: VERY
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 39
Formation End Depth: 74
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059751
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 39
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059753
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85

Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 74
Formation End Depth: 79
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059755
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 74
Other Materials: LAYERED
Mat3: 78
Other Materials: MEDIUM-GRAINED
Formation Top Depth: 103
Formation End Depth: 310
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059750
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10595323
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081880
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 106
Casing Diameter: 6
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081882
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 310
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081881
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 300
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525011
Pump Set At:
Static Level: 68
Final Level After Pumping: 105
Recommended Pump Depth: 250
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934386010
Test Type: Draw Down
Test Duration: 30
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655789
Test Type: Draw Down
Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904163
Test Type: Draw Down

Test Duration: 60
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110603
Test Type: Draw Down
Test Duration: 15
Test Level: 105
Test Level UOM: ft

Water Details

Water ID: 933483831
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 306
Water Found Depth UOM: ft

Water Details

Water ID: 933483830
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 185
Water Found Depth UOM: ft

Site: lot 4 ON

Database:
WWIS

Well ID: 1524123
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56300
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/26/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045895
DP2BR: 56
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/14/1989
Remarks:
Elevrc Desc:

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

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

Overburden and Bedrock
Materials Interval

Formation ID: 931056932
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 56
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931056931
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931056933
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 56
Formation End Depth: 84
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10594465
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080344
Layer: 2
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 84
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080343
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524123
Pump Set At:
Static Level: 20
Final Level After Pumping: 75
Recommended Pump Depth: 75
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934652483
Test Type:
Test Duration: 45
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107704
Test Type:
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910103
Test Type:
Test Duration: 60
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391933
Test Type:
Test Duration: 30
Test Level: 75
Test Level UOM: ft

Water Details

Water ID: 933482665
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 78
Water Found Depth UOM: ft

Site:

lot 4 ON

Database:
[WWIS](#)

Well ID: 1530022
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 180720
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/11/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 6455
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051557
DP2BR: 54
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/22/1998
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931074230
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 14
Other Materials: HARDPAN
Formation Top Depth: 36
Formation End Depth: 54
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931074228
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3: 88
Other Materials: THICK
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931074231
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Other Materials: MEDIUM-GRAINED
Mat3: 73
Other Materials: HARD
Formation Top Depth: 54
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931074229
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 88
Other Materials: THICK
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 36

Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933115138
Layer: 1
Plug From: 0
Plug To: 21
Plug Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10600127
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089820
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 54
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930089821
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530022
Pump Set At:
Static Level: 17
Final Level After Pumping: 26
Recommended Pump Depth: 40
Pumping Rate: 50
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2

Pumping Duration HR: 12
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934661373
Test Type:
Test Duration: 45
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392215
Test Type:
Test Duration: 30
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934117237
Test Type:
Test Duration: 15
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909911
Test Type:
Test Duration: 60
Test Level: 26
Test Level UOM: ft

Water Details

Water ID: 933490035
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 66
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Jan 31, 2020

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Chemical Register:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Feb 2020

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Dec 2019

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-May 31, 2020

Drill Hole Database:

Provincial

DRL

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

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry:

Provincial

EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Jun 30, 2020

Environmental Registry:

Provincial

EBR

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

Government Publication Date: 1994-May 31, 2020

Environmental Compliance Approval:

Provincial

ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Jun 30, 2020

Environmental Effects Monitoring:

Federal

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Apr 30, 2020

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Apr 2020

Fisheries & Oceans Fuel Tanks:

Federal **FOLT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial **FSTH**

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Apr 30, 2020

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

[MNR](#)

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

[NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

[NCPL](#)

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

[NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

[NDSP](#)

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

[NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

[NEBI](#)

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

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells:

Federal

[NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

[NPCB](#)

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

[NPRI](#)

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

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

Government Publication Date: 1988-May 31, 2020

Ontario Oil and Gas Wells:

Provincial

[OOGW](#)

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

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites:

Provincial

[OPCB](#)

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

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

Orders:

Provincial

[ORD](#)

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

Government Publication Date: 1994-May 31, 2020

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011-Jun 30, 2020

Pipeline Incidents:

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-May 31, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-May 2020

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Jan 31, 2020

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970-Aug 2018

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011-Jun 30, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix D – Site Photographs



Photograph No. 1

View of the 229 and 231 Beechwood Avenue from west side of Beechwood Avenue.



Photograph No. 2

View of the unfinished section of the basement at 229 Beechwood Avenue with heating oil fueled furnace.



Photograph No. 3

View of black mould on concrete wall.



Photograph No. 4

View of the heating oil AST located at the rear (west) of the residence at 229 Beechwood Avenue on a concrete pad.



Photograph No. 5

View of storage addition at rear of 231 Beechwood Avenue.



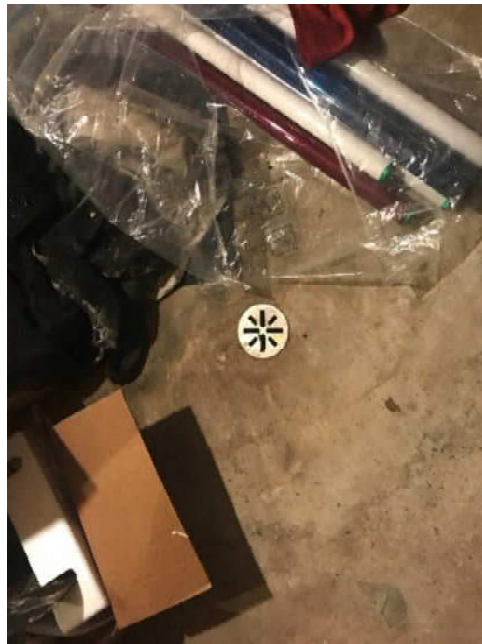
Photograph No. 6

View of backyard, including storage shed.



Photograph No. 7

View of the unfinished basement and natural gas furnace at 231 Beechwood Avenue.



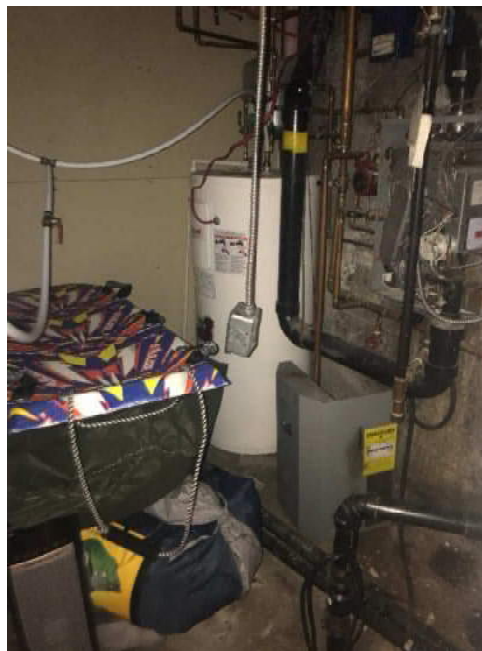
Photograph No. 8

View of floor drain in basement.



Photograph No. 9

View of the front of the building located at 241 Beechwood Avenue from the west side of Beechwood Avenue.



Photograph No. 10

View of the hot water boiler located in the basement mechanical room at 241 Beechwood Avenue



Photograph No. 11

View of the front of the building located at 245 Beechwood Ave. from the west side of Beechwood Avenue



Photograph No. 12

View of hot water boiler furnace in the basement of the 245 Beechwood Avenue residence, approximately 3" of water on the floor



Photograph No. 13

View of black mould on the basement walls.



Photograph No. 14

View of the front of residence located at 247 Beechwood Avenue
from the western side of Beechwood Avenue



Photograph No. 15

View of the natural gas fired furnace in the basement of the 247 Beechwood Avenue residence



Photograph No. 16

View of the storage shed 247 Beechwood Avenue



Photograph No. 17

View of storage sheds at 245 Beechwood Avenue



Photograph No. 18

View Across Beechwood Avenue from 229 Beechwood Avenue facing southeast



Photograph No. 19

View Across Beechwood Avenue from 247 Beechwood Avenue
facing northeast (vacant lot is 260 Beechwood Avenue)



Photograph No. 20

View Across Beechwood Avenue of commercial/residential building (222 Beechwood Avenue)

Appendix E – Analytical Summary Tables

TABLE 1 GROUNDWATER ANALYTICAL RESULTS ($\mu\text{g/L}$)
PHC and VOC
229-231, 239-247 Beechwood Avenue, Ottawa, Ontario

Parameter	MECP Table 7 ¹	MW17-1		MW17-3		Dup	MW17-4	
		7/7/17	20/7/20	7/7/17	20/7/20	Duplicate of MW3	7/7/17	20/7/20
Sample Date (d/m/y)								
Acetone	100,000	NA	<10	NA	<10	<10	<5	<10
Benzene	0.5	<0.5	<0.20	<0.5	<0.20	<0.20	<0.5	<0.20
Bromodichloromethane	67,000	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
Bromoform	5	NA	<1.0	NA	<1.0	<1.0	<0.5	<1.0
Bromomethane	0.89	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
Carbon Tetrachloride	0.20	NA	<0.20	NA	<0.20	<0.20	<0.2	<0.20
Chlorobenzene	140	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Chloroform	2	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Dibromochloromethane	65,000	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
Dichlorodifluoromethane	3,500	NA	<0.50	NA	<0.50	<0.50	<1	<0.50
1,2-Dichlorobenzene	150	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
1,3-Dichlorobenzene	7,600	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
1,4-Dichlorobenzene	0.5	NA	<1.0	NA	<1.0	<1.0	<0.5	<1.0
1,1-Dichloroethane	11	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
1,2-Dichloroethane	0.5	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
1,1-Dichloroethylene	0.5	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Cis-1,2-Dichloroethylene	1.6	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
Trans-1,2-Dichloroethylene	1.6	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
1,2-Dichloropropane	0.58	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Cis-1,3-Dichloropropylene	0.5	NA	<0.30	NA	<0.30	<0.30	<0.5	<0.30
Trans-1,3-Dichloropropylene		NA	<0.40	NA	<0.40	<0.40	<0.5	<0.40
Ethylbenzene	54	<0.5	<0.20	<0.5	<0.20	<0.20	<0.5	<0.20
Ethylene Dibromide	0.2	NA	<0.20	NA	<0.20	<0.20	<0.2	<0.20
Hexane	5	NA	<1.0	NA	<1.0	<1.0	<1	<1.0
Methyl Ethyl Ketone	21,000	NA	<10	NA	<10	<10	<5	<10
Methylene Chloride	26	NA	<2.0	NA	<2.0	<2.0	<5	<2.0
Methyl Isobutyl Ketone	5,200	NA	<5.0	NA	<5.0	<5.0	<2	<5.0
Methyl-t-Butyl Ether	15	NA	<0.50	NA	<0.50	<0.50	<5	<0.50
Styrene	43	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
1,1,1,2-Tetrachloroethane	1.1	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
1,1,2,2-Tetrachloroethane	0.5	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
Tetrachloroethylene	0.5	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Toluene	320	<0.5	<0.20	<0.5	<0.20	<0.20	<0.5	<0.20
1,1,1-Trichloroethane	23	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
1,1,2-Trichloroethane	0.5	NA	<0.50	NA	<0.50	<0.50	<0.5	<0.50
Trichloroethylene	0.5	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Trichlorofluoromethane	2,000	NA	<0.50	NA	<0.50	<0.50	<1	<0.50
Vinyl Chloride	0.5	NA	<0.20	NA	<0.20	<0.20	<0.5	<0.20
Total Xylenes	72	<0.5	<0.20	<0.5	<0.20	<0.20	<0.5	<0.20
PHC F1	420	<25	<25	<25	<25	<25	<25	<25
PHC F2	150	<100	<100	<100	<100	<100	NA	<100
PHC F3	500	<100	<200	<100	<200	<200	NA	<200
PHC F4	500	<100	<200	<100	<200	<200	NA	<200

NOTES:

¹ MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the EPA, April 2011, Table 7 non potable standards, coarse grained soil.

Shaded Concentration exceeds MECP Table 7 groundwater quality standard.

EXP Services Inc.
Smart Living Properties
Phase One Environmental Site Assessment
229-231, 241-247 Beechwood Avenue, Ottawa, Ontario
OTT-0023820-C0
July 29, 2020

Appendix F – Laboratory Certificates of Analysis



Your Project #: OTT-00238207-CO
 Your C.O.C. #: 782792-01-01

Attention: Mark McCalla

exp Services Inc
 Ottawa Branch
 100-2650 Queensview Drive
 Ottawa, ON
 CANADA K2B 8H6

Report Date: 2020/07/27
 Report #: R6262332
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0I3438

Received: 2020/07/21, 15:24

Sample Matrix: Water
 # Samples Received: 4

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
1,3-Dichloropropene Sum (1)	4	N/A	2020/07/24		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	4	2020/07/23	2020/07/24	CAM SOP-00316	CCME PHC-CWS m
Volatile Organic Compounds and F1 PHCs (1)	4	N/A	2020/07/23	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Laboratories Mississauga

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.



Your Project #: OTT-00238207-C0
Your C.O.C. #: 782792-01-01

Attention: Mark McCalla

exp Services Inc
Ottawa Branch
100-2650 Queensview Drive
Ottawa, ON
CANADA K2B 8H6

Report Date: 2020/07/27
Report #: R6262332
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0I3438

Received: 2020/07/21, 15:24

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bvlab.com
Phone# (613) 274-0573

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



O.REG 153 VOCs BY HS & F1-F4 (WATER)

BV Labs ID		NEC222	NEC223	NEC224	NEC225		
Sampling Date		2020/07/21	2020/07/21	2020/07/21	2020/07/21		
COC Number		782792-01-01	782792-01-01	782792-01-01	782792-01-01		
	UNITS	MW1	MW3	MW4	DUP	RDL	QC Batch
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6849360
Volatile Organics							
Acetone (2-Propanone)	ug/L	<10	<10	<10	<10	10	6851198
Benzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Bromoform	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	6851198
Bromomethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Chloroform	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	6851198
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	6851198
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	6851198
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Hexane	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	6851198
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	6851198
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	<10	10	6851198
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	<5.0	5.0	6851198
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Styrene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Toluene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

BV Labs Job #: COI3438

Report Date: 2020/07/27

exp Services Inc

Client Project #: OTT-00238207-C0

Sampler Initials: MAD

O.REG 153 VOCs BY HS & F1-F4 (WATER)

BV Labs ID		NEC222	NEC223	NEC224	NEC225		
Sampling Date		2020/07/21	2020/07/21	2020/07/21	2020/07/21		
COC Number		782792-01-01	782792-01-01	782792-01-01	782792-01-01		
	UNITS	MW1	MW3	MW4	DUP	RDL	QC Batch
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	6851198
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
o-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
Total Xylenes	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	6851198
F1 (C6-C10)	ug/L	<25	<25	<25	<25	25	6851198
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	<25	25	6851198
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	<100	<100	100	6852164
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	6852164
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	6852164
Reached Baseline at C50	ug/L	Yes	Yes	Yes	Yes		6852164
Surrogate Recovery (%)							
o-Terphenyl	%	93	94	94	95		6852164
4-Bromofluorobenzene	%	86	84	87	83		6851198
D4-1,2-Dichloroethane	%	123	123	124	124		6851198
D8-Toluene	%	90	91	89	91		6851198
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

BV Labs Job #: COI3438
Report Date: 2020/07/27

exp Services Inc
Client Project #: OTT-00238207-C0
Sampler Initials: MAD

TEST SUMMARY

BV Labs ID: NEC222
Sample ID: MW1
Matrix: Water

Collected: 2020/07/21
Shipped:
Received: 2020/07/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	6849360	N/A	2020/07/24	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	6852164	2020/07/23	2020/07/24	Prabhjot Gulati
Volatile Organic Compounds and F1 PHCs	GC/MSFD	6851198	N/A	2020/07/23	Karen Hughes

BV Labs ID: NEC223
Sample ID: MW3
Matrix: Water

Collected: 2020/07/21
Shipped:
Received: 2020/07/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	6849360	N/A	2020/07/24	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	6852164	2020/07/23	2020/07/24	Prabhjot Gulati
Volatile Organic Compounds and F1 PHCs	GC/MSFD	6851198	N/A	2020/07/23	Karen Hughes

BV Labs ID: NEC224
Sample ID: MW4
Matrix: Water

Collected: 2020/07/21
Shipped:
Received: 2020/07/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	6849360	N/A	2020/07/24	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	6852164	2020/07/23	2020/07/24	Prabhjot Gulati
Volatile Organic Compounds and F1 PHCs	GC/MSFD	6851198	N/A	2020/07/23	Karen Hughes

BV Labs ID: NEC225
Sample ID: DUP
Matrix: Water

Collected: 2020/07/21
Shipped:
Received: 2020/07/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	6849360	N/A	2020/07/24	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	6852164	2020/07/23	2020/07/24	Prabhjot Gulati
Volatile Organic Compounds and F1 PHCs	GC/MSFD	6851198	N/A	2020/07/23	Karen Hughes



BUREAU
VERITAS

BV Labs Job #: COI3438
Report Date: 2020/07/27

exp Services Inc
Client Project #: OTT-00238207-C0
Sampler Initials: MAD

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	15.3°C
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Results relate only to the items tested.



BUREAU
VERITAS

BV Labs Job #: C013438

Report Date: 2020/07/27

QUALITY ASSURANCE REPORT

exp Services Inc

Client Project #: OTT-00238207-C0

Sampler Initials: MAD

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
6851198	4-Bromofluorobenzene	2020/07/23	94	70 - 130	94	70 - 130	88	%		
6851198	D4-1,2-Dichloroethane	2020/07/23	117	70 - 130	118	70 - 130	113	%		
6851198	D8-Toluene	2020/07/23	101	70 - 130	102	70 - 130	92	%		
6852164	o-Terphenyl	2020/07/24	97	60 - 130	95	60 - 130	96	%		
6851198	1,1,1,2-Tetrachloroethane	2020/07/23	106	70 - 130	119	70 - 130	<0.50	ug/L	NC	30
6851198	1,1,1-Trichloroethane	2020/07/23	108	70 - 130	119	70 - 130	<0.20	ug/L	NC	30
6851198	1,1,2,2-Tetrachloroethane	2020/07/23	95	70 - 130	110	70 - 130	<0.50	ug/L	NC	30
6851198	1,1,2-Trichloroethane	2020/07/23	110	70 - 130	124	70 - 130	<0.50	ug/L	NC	30
6851198	1,1-Dichloroethane	2020/07/23	104	70 - 130	114	70 - 130	<0.20	ug/L	NC	30
6851198	1,1-Dichloroethylene	2020/07/23	112	70 - 130	120	70 - 130	<0.20	ug/L	NC	30
6851198	1,2-Dichlorobenzene	2020/07/23	91	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
6851198	1,2-Dichloroethane	2020/07/23	111	70 - 130	123	70 - 130	<0.50	ug/L	NC	30
6851198	1,2-Dichloropropane	2020/07/23	98	70 - 130	108	70 - 130	<0.20	ug/L	NC	30
6851198	1,3-Dichlorobenzene	2020/07/23	94	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
6851198	1,4-Dichlorobenzene	2020/07/23	97	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
6851198	Acetone (2-Propanone)	2020/07/23	110	60 - 140	121	60 - 140	<10	ug/L	NC	30
6851198	Benzene	2020/07/23	104	70 - 130	114	70 - 130	<0.20	ug/L	NC	30
6851198	Bromodichloromethane	2020/07/23	105	70 - 130	117	70 - 130	<0.50	ug/L	NC	30
6851198	Bromoform	2020/07/23	97	70 - 130	113	70 - 130	<1.0	ug/L	NC	30
6851198	Bromomethane	2020/07/23	109	60 - 140	118	60 - 140	<0.50	ug/L	NC	30
6851198	Carbon Tetrachloride	2020/07/23	109	70 - 130	120	70 - 130	<0.20	ug/L	NC	30
6851198	Chlorobenzene	2020/07/23	92	70 - 130	102	70 - 130	<0.20	ug/L	NC	30
6851198	Chloroform	2020/07/23	105	70 - 130	116	70 - 130	<0.20	ug/L	NC	30
6851198	cis-1,2-Dichloroethylene	2020/07/23	99	70 - 130	108	70 - 130	<0.50	ug/L	NC	30
6851198	cis-1,3-Dichloropropene	2020/07/23	88	70 - 130	98	70 - 130	<0.30	ug/L	NC	30
6851198	Dibromochloromethane	2020/07/23	102	70 - 130	116	70 - 130	<0.50	ug/L	NC	30
6851198	Dichlorodifluoromethane (FREON 12)	2020/07/23	112	60 - 140	119	60 - 140	<1.0	ug/L	NC	30
6851198	Ethylbenzene	2020/07/23	80	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
6851198	Ethylene Dibromide	2020/07/23	100	70 - 130	114	70 - 130	<0.20	ug/L	NC	30
6851198	F1 (C6-C10) - BTEX	2020/07/23					<25	ug/L	NC	30
6851198	F1 (C6-C10)	2020/07/23	97	60 - 140	98	60 - 140	<25	ug/L	NC	30
6851198	Hexane	2020/07/23	103	70 - 130	111	70 - 130	<1.0	ug/L	NC	30



BUREAU
VERITAS

BV Labs Job #: C013438

Report Date: 2020/07/27

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-00238207-C0

Sampler Initials: MAD

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
6851198	Methyl Ethyl Ketone (2-Butanone)	2020/07/23	93	60 - 140	105	60 - 140	<10	ug/L	NC	30
6851198	Methyl Isobutyl Ketone	2020/07/23	86	70 - 130	101	70 - 130	<5.0	ug/L	NC	30
6851198	Methyl t-butyl ether (MTBE)	2020/07/23	83	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
6851198	Methylene Chloride(Dichloromethane)	2020/07/23	111	70 - 130	121	70 - 130	<2.0	ug/L	NC	30
6851198	o-Xylene	2020/07/23	80	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
6851198	p+m-Xylene	2020/07/23	83	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
6851198	Styrene	2020/07/23	79	70 - 130	91	70 - 130	<0.50	ug/L	NC	30
6851198	Tetrachloroethylene	2020/07/23	97	70 - 130	106	70 - 130	<0.20	ug/L	NC	30
6851198	Toluene	2020/07/23	86	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
6851198	Total Xylenes	2020/07/23					<0.20	ug/L	NC	30
6851198	trans-1,2-Dichloroethylene	2020/07/23	109	70 - 130	116	70 - 130	<0.50	ug/L	NC	30
6851198	trans-1,3-Dichloropropene	2020/07/23	87	70 - 130	99	70 - 130	<0.40	ug/L	NC	30
6851198	Trichloroethylene	2020/07/23	108	70 - 130	117	70 - 130	<0.20	ug/L	NC	30
6851198	Trichlorofluoromethane (FREON 11)	2020/07/23	121	70 - 130	130 (1)	70 - 130	<0.50	ug/L	NC	30
6851198	Vinyl Chloride	2020/07/23	108	70 - 130	116	70 - 130	<0.20	ug/L	NC	30
6852164	F2 (C10-C16 Hydrocarbons)	2020/07/24	83	50 - 130	84	60 - 130	<100	ug/L	NC	30
6852164	F3 (C16-C34 Hydrocarbons)	2020/07/24	93	50 - 130	93	60 - 130	<200	ug/L	NC	30
6852164	F4 (C34-C50 Hydrocarbons)	2020/07/24	93	50 - 130	93	60 - 130	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.



BUREAU
VERITAS

BV Labs Job #: COI3438

Report Date: 2020/07/27

exp Services Inc

Client Project #: OTT-00238207-C0

Sampler Initials: MAD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

A handwritten signature in black ink, appearing to read "Brad Newman", written over a horizontal line.

Brad Newman, Scientific Service Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

21-Jul-20 15:24

Page 1 of 1



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel:(905) 817-5700 Toll-free:800-563-6268 Fax:(905) 817-5777 www.bvlab.com

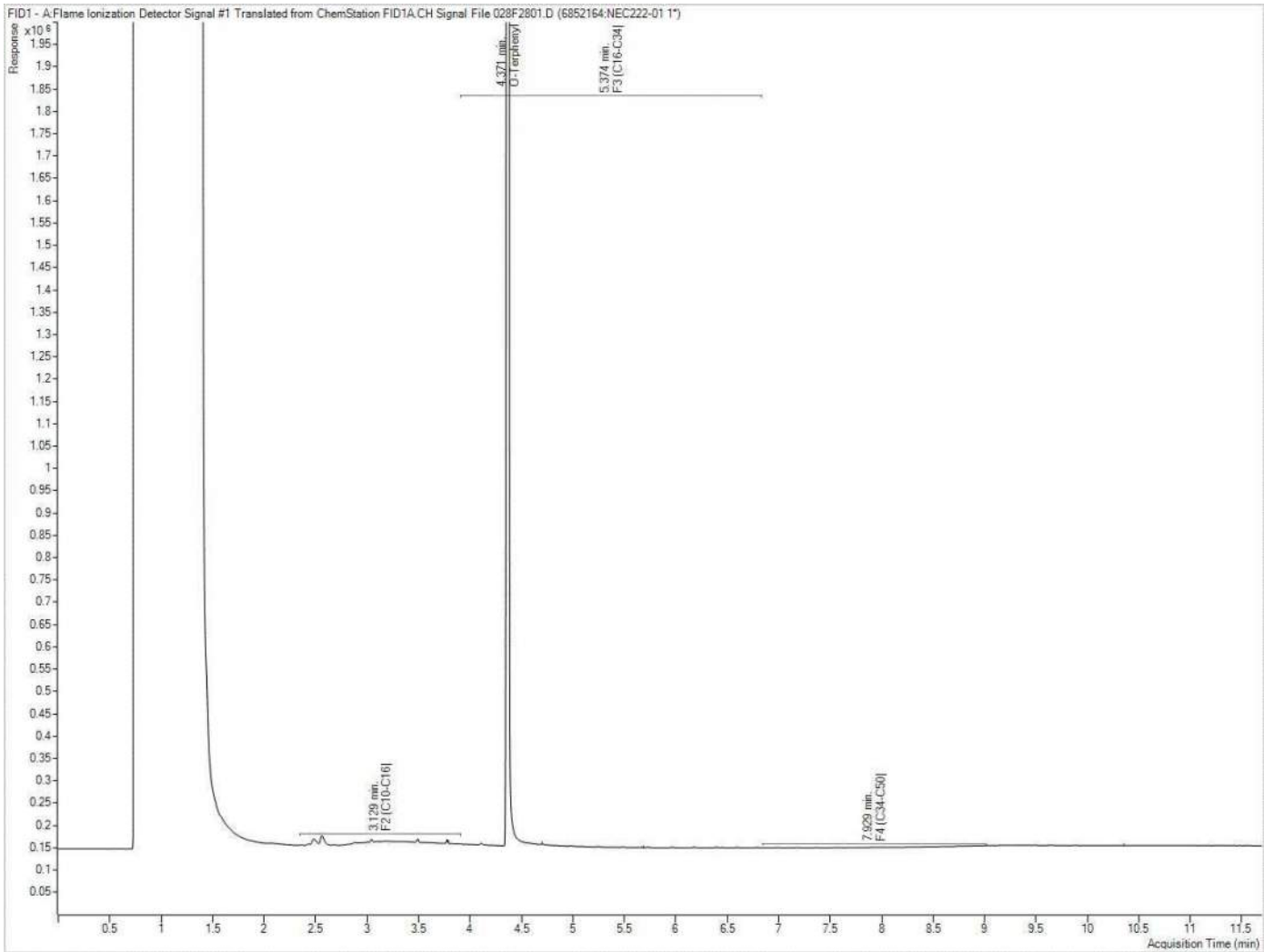
CH/ Katherine Szozda
CO13438

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name: #17498 exp Services Inc	Company Name: Mark McCalla	Quotation #: B91718 (Stream 3)	J L	ENV-1072	Order #: 782792
Attention: Accounts Payable	Attention: Mark McCalla	P.O. #:			Project Manager: Katherine Szozda
Address: 100-2650 Queensview Drive	Address:	Project: OTT-00238207-C0			
Ottawa ON K2B 8H2		Project Name:			
Tel: (613) 688-1899 Fax: (613) 225-7337	Tel:	Site #:			
Email: accounting.ottawa@exp.com; Karen.Burke@exp.com	Email: mark.mccalla@exp.com	Sampled By: MAD			

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY*						ANALYSIS REQUESTED (PLEASE BE SPECIFIC)		Turnaround Time (TAT) Required: Please provide advance notice for rush projects		
Regulation 153 (2011)			Other Regulations			Special Instructions			Regular (Standard) TAT: <input checked="" type="checkbox"/> (will be applied if Rush TAT is not specified: Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.)	
<input type="checkbox"/> Table 1	<input checked="" type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw					Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (all lab for #)	
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input checked="" type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw					# of Bottles: _____ Comments: _____	
<input checked="" type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____						
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	Reg 406 Table _____						
<input type="checkbox"/> Other _____			<input type="checkbox"/> Other _____							
Include Criteria on Certificate of Analysis (Y/N)?						Field Filtered (please circle): Metals / Hg / Cr-VI				
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix						
1	MW1	July 21 2020		GW	X	X			5 IF "MW1" is flagged	
2	MW3	↓		↓	↓	↓			For sediment, please	
3	MW4	↓		↓	↓	↓			do not run this sample	
4	Dup	↓		↓	↓	↓			and inform both Marks	
5									Thanks.	
6										
7										
8										
9										
10									on ice RECEIVED IN OTTAWA	

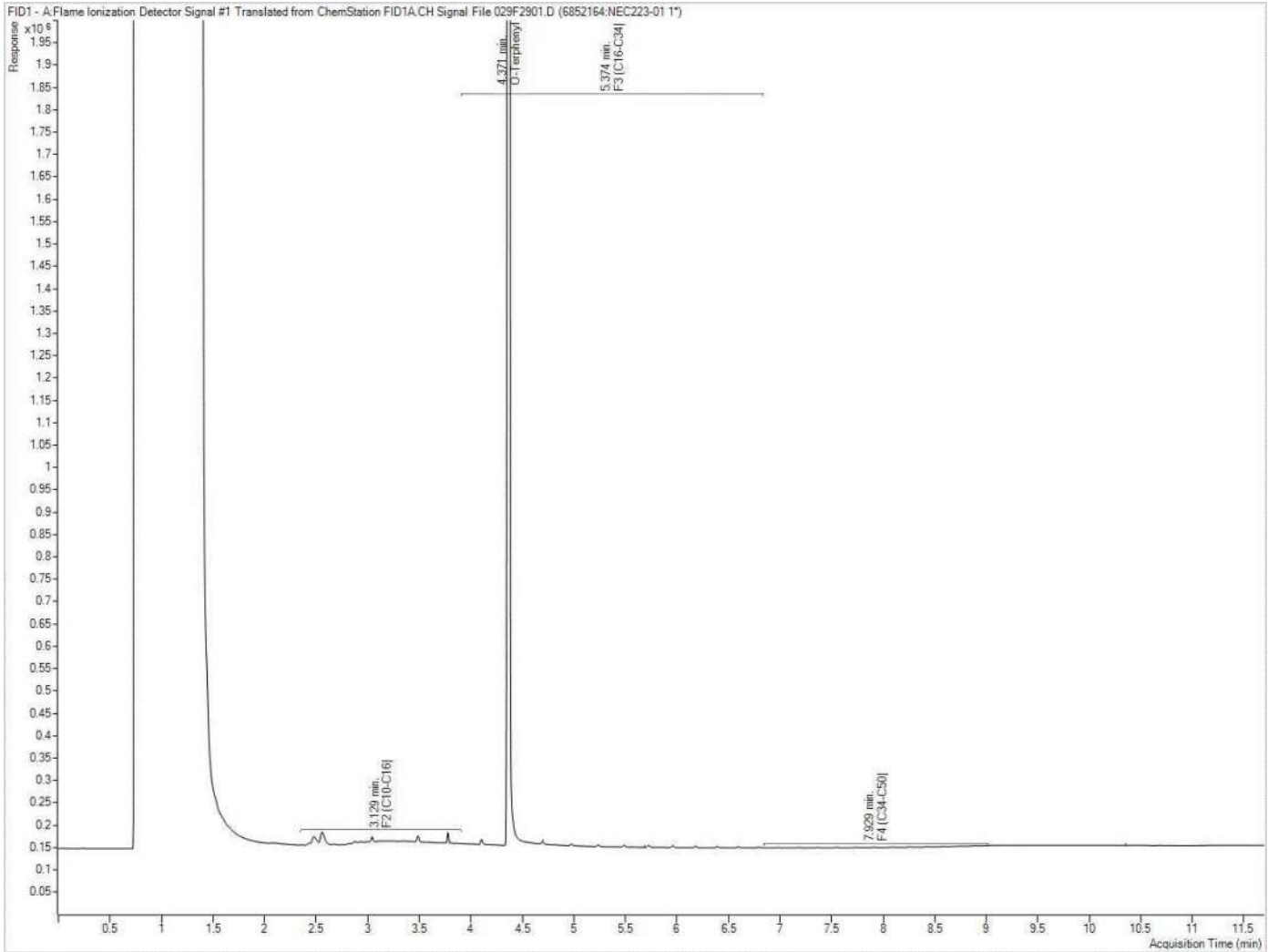
RELINQUISHED BY: (Signature/Print) Mark Devlin	Date: (YY/MM/DD) 20/07/21	Time 3:17pm	RECEIVED BY: (Signature/Print) Katherine Szozda	Date: (YY/MM/DD) 20/07/21	Time 15:24	# jars used and not submitted	Laboratory Use Only	Time Sensitive	Temperature (°C) on Recept 18, 14, 14	Custody Seal Present Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.											
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.											
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.											
SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS											

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



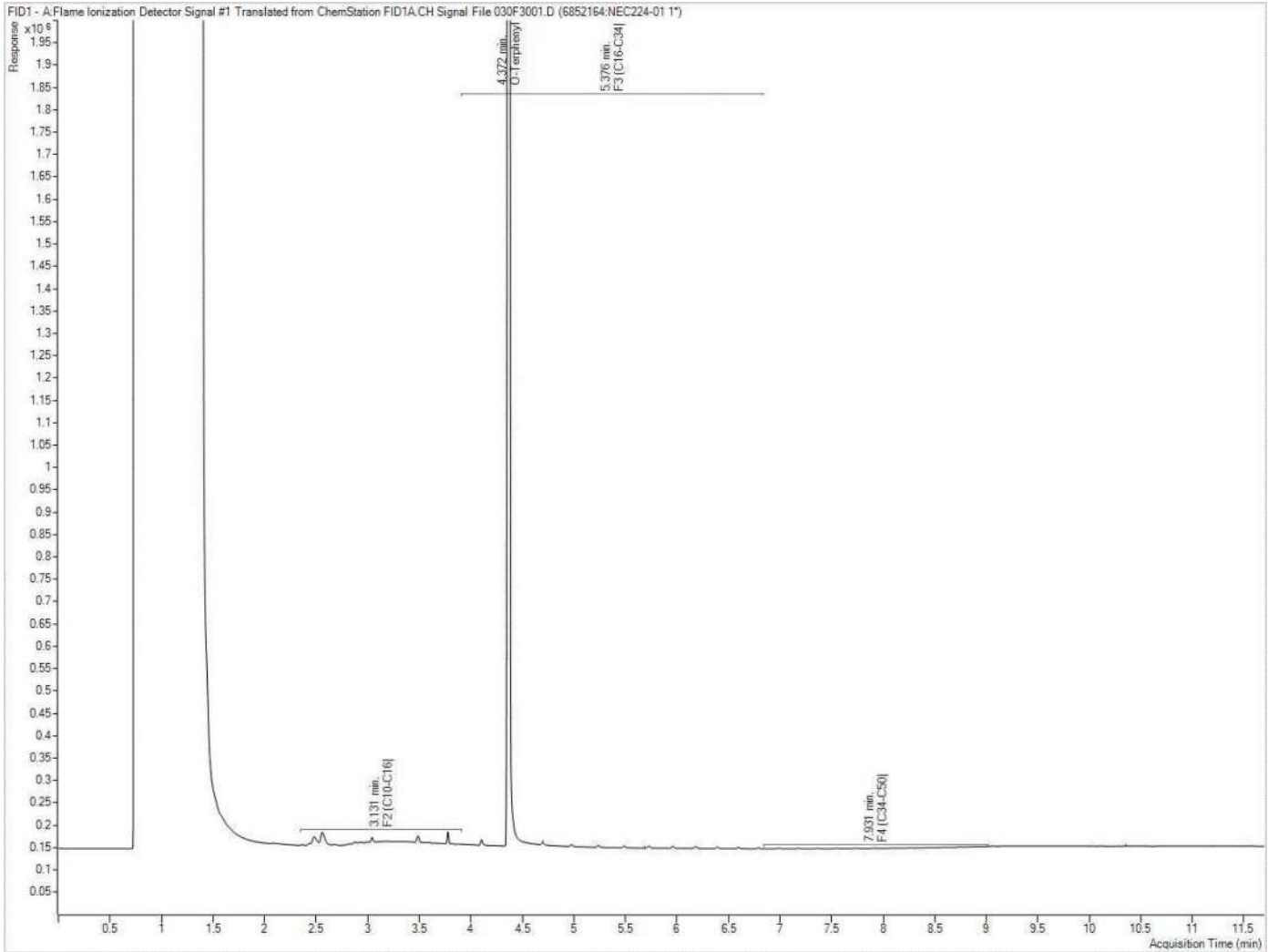
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



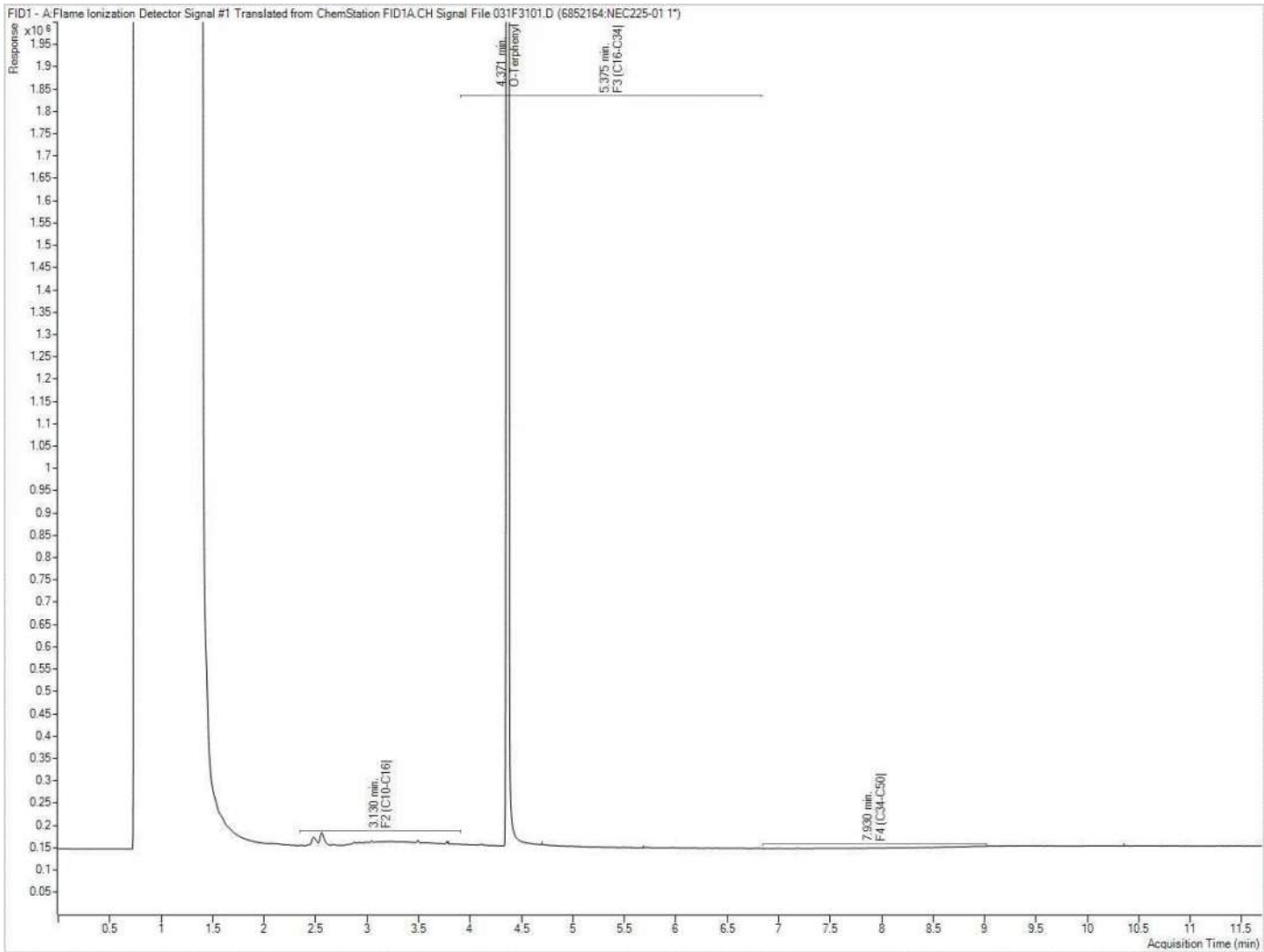
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Appendix G – Property Survey

EXP Services Inc.

Smart Living Properties

Phase One Environmental Site Assessment

229-231, 241-247 Beechwood Avenue, Ottawa, Ontario

OTT-0023820-C0

July 29, 2020

