

559 Riverdale Avenue, Ottawa
Environmental Site Assessment Phase I



Prepared for:

Mr. Luca Diaconescu
34 Glencairn Avenue
Ottawa, Ontario, K1S 1N6

By: *ARCH-Nova Design Inc.*

Project # E-02-16

February 2016

Updated November 2016

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EXECUTIVE SUMMARY

Arch-NOVA Design Inc. was retained by Mr. Luca Diaconescu, 34 Glencairn Avenue, Ottawa, Ontario, K1S 1N6, to conduct a Phase I Environmental Site Assessment (ESA) at the property on 559 Riverdale Avenue in Ottawa, Ontario.

Based on the results of the Phase I ESA, the following conclusions and recommendations are provided. Recommendations are shown in Italics:

1. The subject property is currently occupied and within the residential area. The building is planned for demolition. Adjacent properties have the same use.
2. Surface water flow paths do not suggest that any contamination is transferred from one to another property. All drainage is directed toward Riverdale Avenue.
3. Most of incidents that are reported are located west from the site. Groundwater flow is generally toward east north-east and contaminant from incidents should not be able reach the site by groundwater. In addition to this statement, measured groundwater levels at the site shows that the highest water level is at this site (see Groundwater Level Map) indicating that potential contamination from area of Bank Street would not be able to reach the site.
4. During the technical inspection of the property there was no specific substance noted on the site. The property is occupied and there is no source for concern related to environmental requirements. In addition the environmental report compliant to Ontario Regulation 153/04. the research showed that there was no previous non-compliance report found.
5. *This report concludes that no further environmental assessment will be needed.*

1. Introduction

Arch-NOVA Design Inc. was retained by Mr. Luca Diaconescu, 34 Glencairn Avenue, Ottawa, Ontario, K1S 1N6, to conduct a Phase I Environmental Site Assessment (ESA) at the property on 559 Riverdale Avenue in Ottawa, Ontario.

The work was carried out to meet the requirements of the current Ontario Regulation 153/04, Phase 1 Environmental Site Assessment. The objective of the Phase I ESA was to:

- a. identify any evidence of actual and potential site contamination including soil and groundwater and,
- b. determine the need for a Phase 2 ESA and if necessary, provide the basis for conducting a Phase 2 ESA or any subsequent risk assessment.

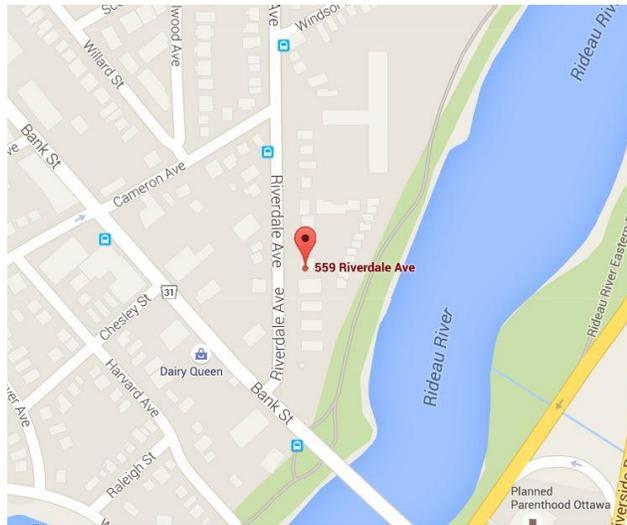
The Ontario Regulation 153/04 defines contaminant as any solid, liquid, gas, odour, heat, sound, vibration, radiation or combination of any of item resulting directly or indirectly from human activities that causes or may cause an adverse effect.

The scope of work for the Phase I ESA included a review of historical land use records, a visual inspection of the site and surrounding properties (as visible from the site or public right-of-ways), interviews with person(s) having knowledge of past and present site activities, and a compilation of this information into a Phase I Environmental Site Assessment Report.

2. Site Description

For the purpose of this assessment, Riverdale Avenue is considered to run east-west. The subject property is located at **559 Riverdale, Part Lot M. ConCRF Pin # 04129-0434 (LT)**.

The subject property is currently occupied with a two storey house and a single garage at the basement level with ramp driveway access. An asphalt driveway at ground level is along the driveway ramp from the street to the house entrance (west side). A paved sidewalk is located along the north and south side of the building. The house is located in the middle of the property. A backyard is located on the east side of the property. It is edged by an access road to a row of townhouses.



559 Riverdale Avenue, Ottawa: Location

3. Records Review

Historical information sources, such as aerial photographs, fire insurance plans, property use directories, geotechnical reports and land use documents were reviewed in order to assess past land use at the site and immediately adjacent properties.

3.1 Aerial Photographs

Aerial photographs¹ of the surrounding area dated from 1930 to 2011 show that the area was agricultural until late 1940s and then residential until now. The area was fully developed in 1970s when a small development was built along the Rideau River. The location of 559 Riverdale Avenue was developed in cca 1953 and, since then it appears the same.

3.2 Property Use and Ownership Records

3.2.1 Insurance Records

A 1912, 1956 and 1963 Fire Insurance Plans of the area encompassing the subject site was obtained from the City of Ottawa Archives. The plan confirms the site and surrounding area were encompassed by several private residential owners. Also the 1956 plan shows a building on the property in very similar layout as today's.

¹ Appendix 4: Aero Photos

3.2.2 Property Use Directories

Property use directories were obtained (Chain of Titles) for the period from 1912 to present. It appears that the property was used first as an agricultural land and then since cca 1953 only as residential, when the current house was built.

3.3 Previous Environmental or Geotechnical Reports

The client provided a geotechnical report titled: "Geotechnical Investigation, Proposed Residential Building, 559 Riverdale Avenue-Ottawa (Paterson Group, July 02, 2015). The report was used as an additional information for the site assessment and hydrogeological review.

3.4 Regulatory Requests

No regulatory request on subject property was presented during EA search.

3.5 Physical Setting and Analysis

No environmental significance was reported.

3.6 Land Use Documents

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

- Anderson's Waste Disposal Sites
- ERIS Historic Searches (June 1991).

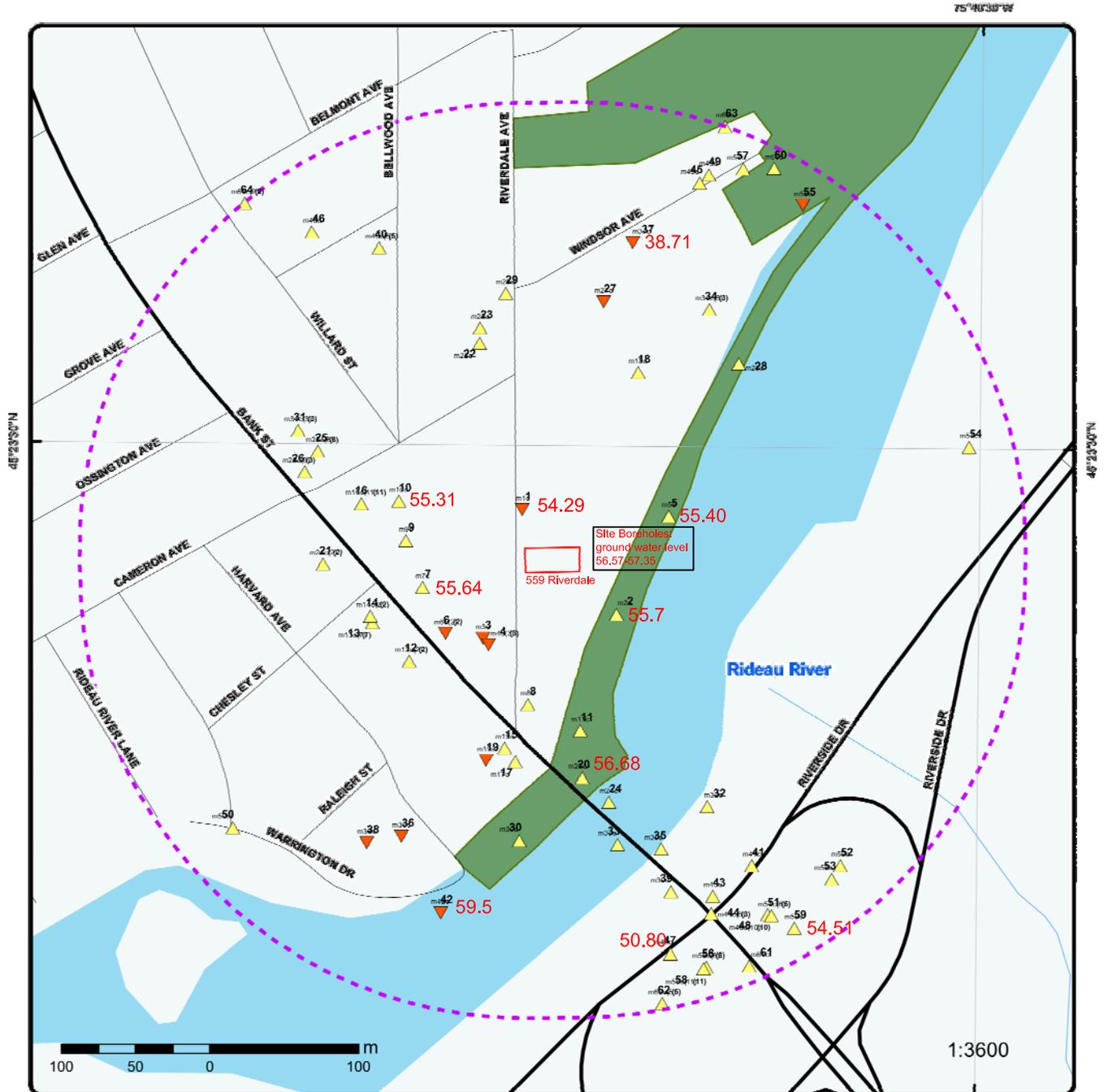
According to the above-noted publications, there were two waste sites within 0.25 km of the subject site:

- "Bank & Riverdale Dump" which was operational in period around 1926. Its today's elevation is about 1.77 m lower than the site at 559 Riverdale Ave. Currently the area is used as a residential area. Considering period of operation and elevation, its distance of 196.6 m and current use, this site has no impact on the location of interest,
- "Windsor Park Dump" is reported as operational in period before 1970. Its distance is 277.8 m north from the site of interest. Currently the site is used as recreational park (Windsor Park) and residential area. Considering period of operation and the distance as well as the current use, this site has no impact on the location of interest.

Other significant land uses in vicinity of the site take place along Bank Street between Riverdale Avenue and Cameron Avenue and include oil change service and dry cleaning service. The Summary of Data Source (pages 19 and 21) assembled recorded incidents however, the nature of incidents was considered as occasional (spillage from trucks, traffic accidents etc.) with small amount of contaminants. Incidents were reported as cleared and the remediation measures implemented.

Provided that groundwater flow is generally considered as west-northwest directed (based of static levels measured at observation wells), the contamination from these accidents is unlikely influencing the site. In addition to this statement, measured groundwater levels at the site show that the highest water level is at this site (see Groundwater Level Map) indicating that potential contamination from area of Bank Street would not be able to reach the site.

The report also provides all operation approvals, expiration reports and incidents summary. All business operations appear compliant with current regulations with up-to-date approvals.



Map

Order No: 20160202156

Address: 559 Riverdale Ave, Ottawa, ON, K1S1S3

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

Source: © 2014 DMTI Spatial Inc.

Groundwater Level Map

4. Site Reconnaissance

The site inspection was conducted on February 14, 2016 by Zoran Mrdja, P.Eng.,FEC, of Arch-NOVA Design Inc. The site visit included the observation and inspection of the entire property. The subject property is currently occupied with a two storey house and a single garage at the north side of the building. An asphalt driveway is along the property's west side from Riverdale Ave. to the garage. On the south and north side are residential properties. Also there is an access road on the north and east side of the property. Across the access road on east side there is a row of town houses.

4.1 Property Use

The site is currently used as a residential property and it is occupied. In the period from the 1950's to the current time, the property was used as residential.

4.2 Interviews

A formal discussion with the current owner's representative (Mr. Luca Diaconescu) was held prior to the site visit and during the visit. The owner's intention is to build a new apartment building. The existing building is to be demolished and disposed. The interior assessment was performed on the same date. The building was occupied by tenants so the visit was limited to the basement. The basement is in fact a fully operational apartment (see photos).

4.3 Potable Water Supply

The subject site is located in the area that is municipally serviced for potable water supply.

4.4 Sewage and Wastewater Disposal

The subject site is located in an area that is municipally serviced for sewage and wastewater disposal.

4.5 Building Heating and Cooling Systems

The building is connected to the gas services. There is no evidence of above ground tanks. Currently the house is heated by furnace-forced air heating system. In case that the underground tank is found during the construction, an excavation and proper disposal of the tank must be planned and provided in accordance to current regulation. Soil inspection and subsequently the soil remediation must be performed and recorded.

During the visit there were several bicycles in the backyard. It appeared that bicycles were in use and they were stored in the bicycle rack.

A small shed is located beside the house on its north east side. It appeared as a storage for the backyard tools. No waste or chemicals were found on site.

4.6 Special Attention Substances

Observations made during the site inspection regarding several special attention substances are outlined below.

Polychlorinated Biphenyls (PCBs)

Potential equipment which could contain PCBs include: mercury and sodium vapour fluorescent light ballasts, oil filled capacitors and transformers. Equipment potentially containing PCBs will be subject to demolition and will be put in the disposal plan for the building.

Asbestos-Containing Materials (ACM)

Assuming that the building was built in 1950s, there is a potential for presence of asbestos. The building parts and equipment potentially containing ACM will be subject to demolition and will be put in the disposal plan for the building.

Ozone-Depleting Substances (ODS)

Equipment potentially containing ODS will be subject to demolition and will be put in the disposal plan for the building.

Lead

Possible lead-containing substances – such as solder or painted surfaces – will be subject to demolition and will be put in the disposal plan for the building.

Urea Formaldehyde Foam Insulation (UFFI)

UFFI will be subject to demolition and will be put in the disposal plan for the building.

Mercury

Possible mercury-containing devices will be subject to demolition and will be put in the disposal plan for the building.

4.7 Phase I Conceptual Site Model

Based on historical review and site visit, it was concluded that there is unlike potential for soil or groundwater contamination at the subject property associated with its usage as a residential property since 1950s. Information presented in this report covering the Conceptual Site Model (CSM) is included in the EcoLog Eris report (Appendix 5). The followings summarize the CSM.

4.7.1 Roads, Parking Facilities and Rights of Way

The property has access from Riverdale Avenue on its west side by a driveway to the single garage and main entrance to the house.

4.7.2 Building and Site Drainage

Site drainage is divided into two large portions:

- West portion drains toward Riverdale Avenue. Driveway to the garage drains into a catch basin at the front of the garage. The rood portion is directly connected to the minor system over eavestrough and downspout,
- East portion comprises of east roof portion and the backyard. The roof drains over eavestrough and downspout to the access road on its north side and further to Riverdale Avenue. The backyard drains through infiltration and eventually to weeping tiles.

4.7.3 Storage Tanks and Containers

No evidence of above-ground or below-ground storage tanks or containers were noted at the time of the site inspection.

4.7.4 Hazardous & Unidentified Substances

Hazardous or unidentified substances were not detected at the site.

4.7.5 Abandoned and Existing Wells

No abandoned or existing wells were detected at the site.

There are four boreholes on site, drilled in 2015, and used for the geotechnical investigation. (Paterson Group). Data also contains the groundwater level and this was used to assess the groundwater flow (filtration) trend around the site.

4.7.6 Drains, Pits and Lagoons

No drains, pits or lagoons were detected at the site.

4.7.7 Stressed Vegetation

No stressed vegetation was noted on the property during the field investigation. From the historical data and photos, it is noted that vegetation has been present for a long period. The backyard is bordered by hedges.

4.7.8 Surficial Staining

During the site visit the site was covered by snow. For the purpose of assessing potential surficial staining the GoogleEarth and geoOttawa street views were investigated. The surrounding of the house on its west and north side appear clean and free of any staining.

4.7.9 Odours and Noise

No odour was registered on site or the surrounding area.

No significant noise was noted at the site during the reconnaissance. Riverdale Avenue is considered as the one with moderate traffic. In addition stop signs, traffic lights and speed bumps are installed along the entire Riverdale Avenue. These traffic measures are also contributing to reduction of noise.

4.7.10 Presence of Fill and Debris

During the site visit on February 14, 2016 there was no fill or debris noted on the site. The site was covered with snow so the “GoogleEarth” and “geoOttawa” street views were used for assessment. From these site views the property appears clean and well maintained.

4.7.11 Topographic, Geologic and Hydrogeologic Conditions

No significant and permanent surface stream was observed on site however, the Rideau River’s shore is located 50 meters east from the property line. A floodbank along the river provides protection to the area. In early 1970’s a small development of townhouses was built. There is no report of

flooding or contamination as a result of flooding. The floodbank crown is paved and serves as a leash-on dog park.

The surrounding area is drained toward the area of Riverdale Avenue that has curb on both sides. Considering the age of the area, backyards are most likely drained via weeping tiles into the receiving system.

The owner provided a geotechnical investigation report² for which the consultant (Paterson Group) has drilled four boreholes on site. Summary of the investigation is as follows:

- The subsurface profile encountered at the borehole locations consists of topsoil or asphalt over a loose to very dense fill, consisting of silty sand with gravel, cobbles and boulders. A thin layer of silty clay mixed with sand, gravel and boulders was noted at a depth of 3.6 m. A very dense silty sand with gravel, cobbles, boulders, and trace clay was encountered below the above noted layers. Specific details at the test hole locations are presented in the Soil Profile and Test Data sheets attached to the present report. Based on the available geological mapping, the subject site is located in an area where bedrock consists of shale of the Billings formation or interbedded limestone and shale of the Verulam formation. The overburden drift thickness is between 5 to 10 m depth in the area of the subject site.³
- A 32 mm diameter groundwater monitoring well was installed at BH 1A to monitor the groundwater level subsequent to the completion of the sampling program. In addition, two (2) flexible pipe piezometers were installed at BH 2 and BH 3. Groundwater level readings were taken at the borehole locations on May 1, 2015. Our groundwater measurements are presented in the Soil Profile and Test Data sheets. It is important to note that groundwater level readings could be influenced by surface water infiltrating the backfilled borehole, which can lead to higher water levels than noted during the investigation. The long-term groundwater level can also be estimated based on moisture levels and colour of the recovered

² “Geotechnical Investigation-Proposed Residential Building, 559 Riverdale Avenue, Ottawa” Paterson Group, July 02,2015, File: PG3465-LET.01

³ Page 2, Section 2. Observations, Subsurface Profile; “Geotechnical Investigation-Proposed Residential Building, 559 Riverdale Avenue, Ottawa” Paterson Group, July 02,2015, File: PG3465-LET.01,

soil samples. Based on these observations at the borehole locations, the long-term groundwater level is expected at a 3 to 4 m depth.⁴

Based on static level of water in boreholes (3-4 m below ground level 59.5 m a.s.l.) and relative water level of river (54-55 m a.s.l., Ontario Base Maps-OBM) the relation between the two can be considered as weak or at least controlled. The floodbank's base structure potentially lowers the groundwater level and the river's level influence on the site and surrounding area.

4.7.12 Adjacent Sites

Visual reconnaissance was conducted at adjacent properties during the site visit. Adjacent sites were observed as follows:

- South: residential building,
- North: access road and residential building across
- West: Riverdale Avenue.
- East: access road and a row of townhouses across.

There are no significant environmental concerns based on the reconnaissance of adjacent properties. Based on the relative locations and the interpreted surface flow direction in the area (west-east), it is considered to be little potential for contaminant migration from either property to another.

5. Conclusions and Recommendations

Based on the results of the Phase I ESA, the following conclusions and recommendations are provided. Recommendations are shown in Italics:

6. The subject property is currently occupied and within the residential area. The building is planned for demolition. Adjacent properties have the same use.
7. Surface water flow paths do not suggest that any contamination is transferred from one to another property. All drainage is directed toward Riverdale Avenue.

⁴ Page 2, Section 2. Observations, Groundwater; "Geotechnical Investigation-Proposed Residential Building, 559 Riverdale Avenue, Ottawa" Paterson Group, July 02,2015, File: PG3465-LET.01,

8. Most of incidents that are reported are located west from the site. Groundwater flow is generally toward west north-west and contaminant from incidents should not be able to reach the site by groundwater.
9. During the technical inspection of the property there was no specific substance noted on the site. The property is occupied and there is no source for concern related to environmental requirements. In addition the environmental report compliant to Ontario Regulation 153/04. the research showed that there was no previous non-compliance report found.
10. This report concludes that no further environmental assessment will be needed.

6. Limitations

This report was prepared exclusively for the purposes, project and site locations outlined in the report. The report is based on information provided to, or obtained by Arch-NOVA Design Inc. indicated in the report, and applies solely to site conditions existing at the time of the site investigation. Although a reasonable investigation was conducted by Arch-NOVA Design Inc., the investigation was by no means exhaustive and cannot be construed as a certification of absence of any contaminants from the site. Rather, the Arch-NOVA Design report represents a reasonable review of available information within an established work scope, schedule and budget. It is therefore possible that currently unrecognized contamination or potentially hazardous materials may exist at the site, and the levels of contamination or hazardous materials may vary across the site. Further review and updating of the report may be required as local conditions and the site conditions, and the regulatory and planning frameworks, change over time.

This report was prepared by Arch-NOVA Design Inc. for the sole benefit of the engineer and owners. The material in it reflects Arch-NOVA's judgment in light of the information available to it at the time of preparation. Any use that a third party makes of this report, or any reliance on decisions made based on it, are the responsibilities of such third parties. Arch-NOVA Design Inc. does not accept responsibility for damages, if any, suffered by any third party as a result of decisions made based on this report.

We trust this report is satisfactory for your purposes. If you have any questions regarding our submission, please do not hesitate to contact this office.

Respectfully submitted,

Arch-NOVA Design Inc.

Zoran Mrdja, B.Sc., P.Eng.



Authorized by Professional Engineers of Ontario to provide professional services to public

7. Assessor Qualifications

7.1 Arch-Nova Design Inc.

Arch-Nova Design Inc. is a Canadian owned corporation founded in 2004. The company provides architectural and engineering services to the private and public clients including developers, municipalities, industrial, commercial and institutional clients (ICI) and the Government's departments and agencies.

Company's primary services include architectural and engineering design, environmental services, program and project management and specialized consulting services for the Government.

Arch-Nova Design Inc. is based in Ottawa and provides services in Canada and internationally.

7.2 Qualified Person

The Phase I ESA was managed and reviewed by Zoran Mrdja, P.Eng., Manager of Engineering Services. Mr. Mrdja has 30 years of experience in civil engineering, environmental assessments and remediation including water resources protection, hydrogeological assessments and ground water protection, municipal infrastructure and environmental remediation for sanitary sewer spills, wild life protection and green building initiatives implementation.

APPENDIX 1
Fire Insurance Plan



FIRE INSURANCE MAP RESEARCH RESULTS

Date: 2/4/2016

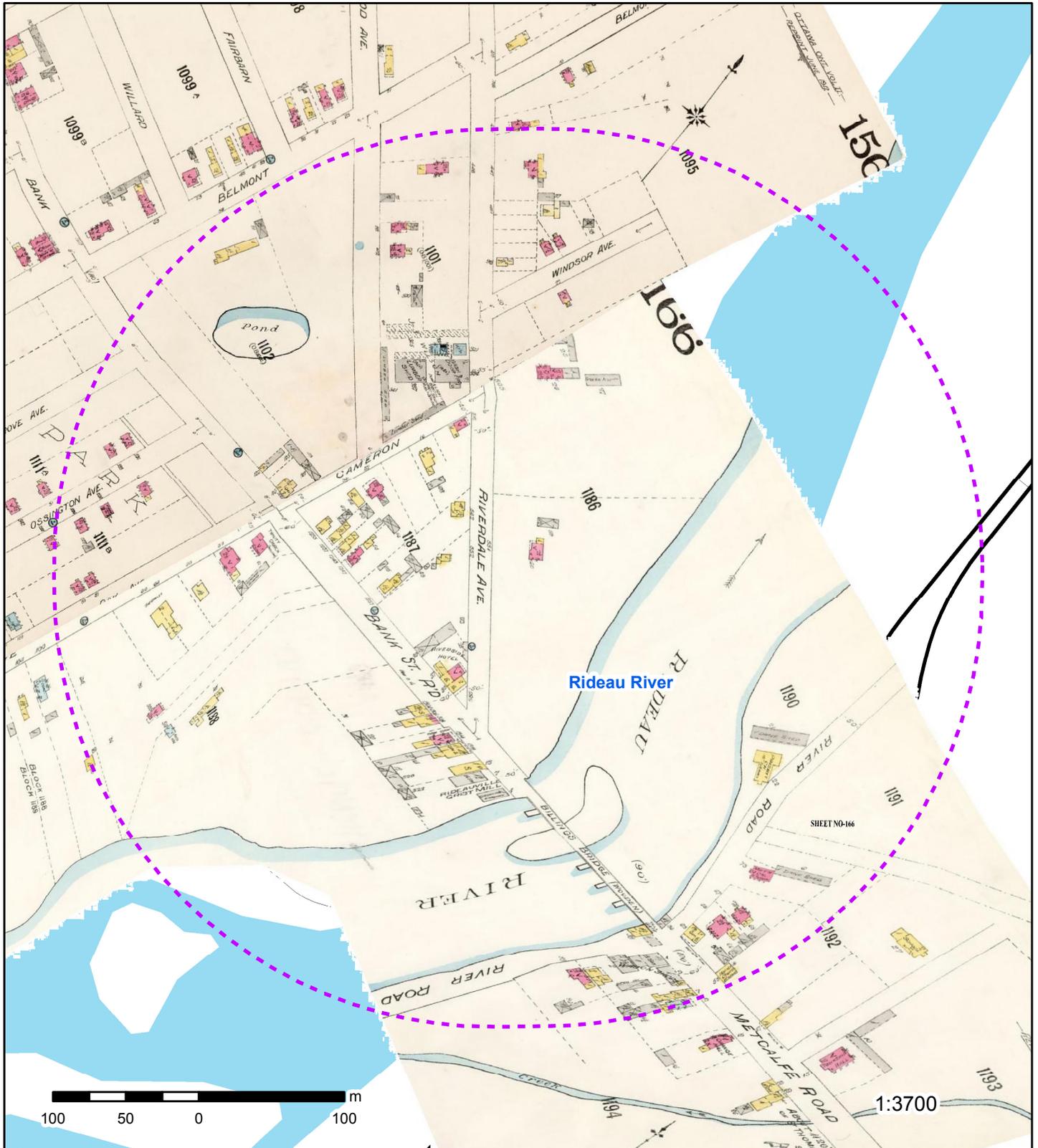
Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjunction with your ERIS report.

Order Number: 20160202156
559 Riverdale Ave, Ottawa, ON, K1S1S3

Province	City	Date	Volume	Sheet Number(s)
Ontario	Ottawa	1912	2	156,166
Ontario	Ottawa	1956	2	239-3,240,241
Ontario	Ottawa	1963	6	613

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Ottawa, Ontario, 1912, Volume 2



Fire Insurance Map

Address: 559 Riverdale Ave, Ottawa, ON, K1S1S3

Map sheet(s): 156,166

The dashed line indicates the search radius around the site: 300 m

Order Number 20160202156



© Ecolog ERIS Ltd

Ottawa, Ontario, 1956, Volume 2



Fire Insurance Map

Address: 559 Riverdale Ave, Ottawa, ON, K1S1S3

Map sheet(s): 239-3,240,241

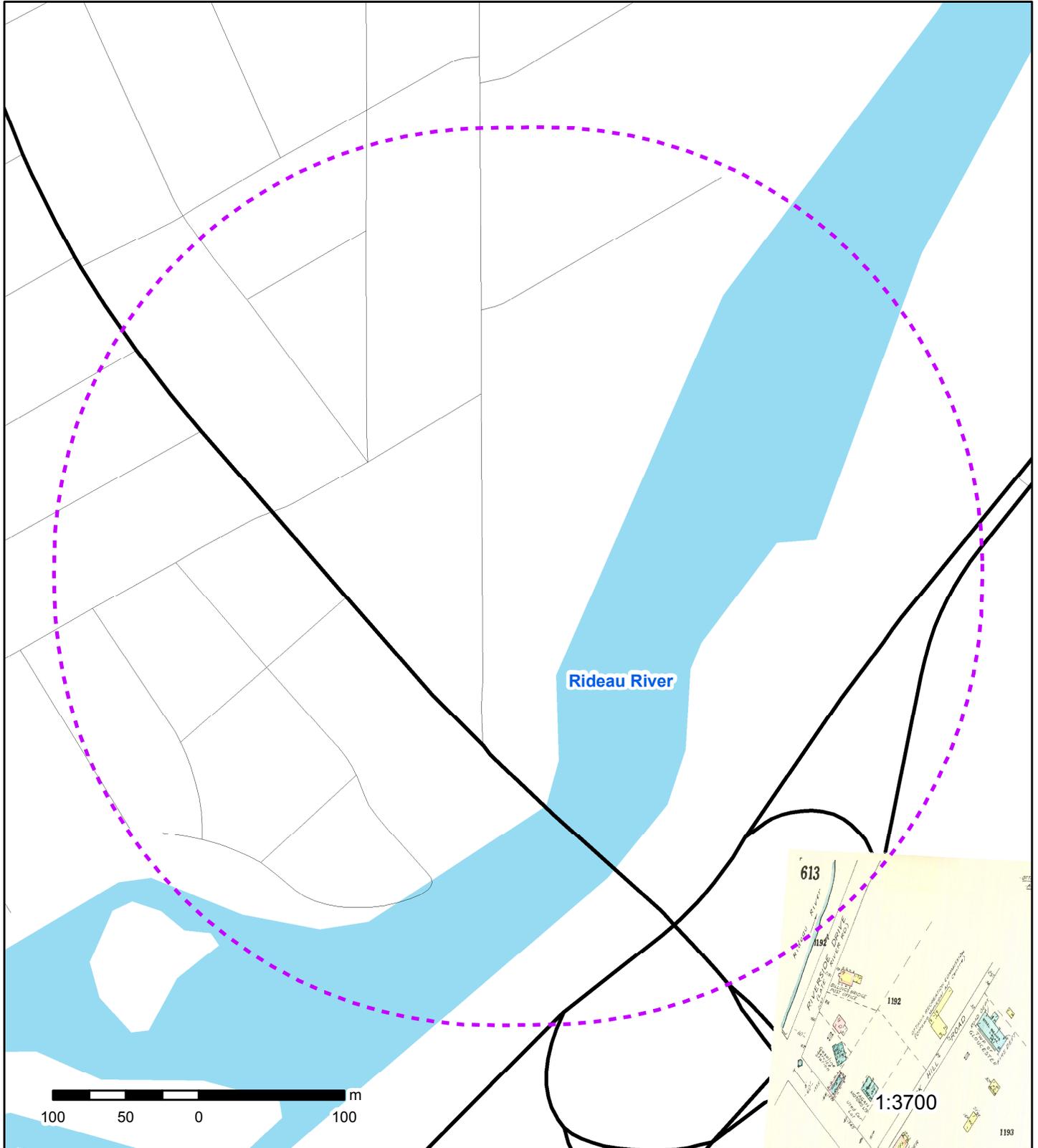
The dashed line indicates the search radius around the site: 300 m

Order Number 20160202156



© Ecolog ERIS Ltd

Ottawa, Ontario, 1963, Volume 6



Fire Insurance Map

Address: 559 Riverdale Ave, Ottawa, ON, K1S1S3

Map sheet(s): 613

The dashed line indicates the search radius around the site: 300 m

Order Number 20160202156



© Ecolog ERIS Ltd

APPENDIX 2
Chain of Titles

CHAIN OF TITLE REPORT

Project # 20160202156
 Address: 559 Riverdale Avenue. Ottawa
 Legal Description: Part Lot M. Con CRF,
as in CR596026
 PIN# 04129-0434 (LT)

Searched at: Ottawa
 LRO #: 4

Page 1

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
197053	Deed	12 12 1912	Albert FRANCIS	George McLAURIN
?	Mortgage	07 08 1916	George McLaurin	Mary WILSON (Mortgagee)
203799	Deed	23 04 1931	Mary Wilson (Equity of Redemption)	Corporation of Ottawa
237522	Deed	06 02 1944	Corporation of Ottawa	Salma KOURI
283012	Deed	30 04 1950	Salma Kouri	John ACRES & Lillian ACRES
338829	Deed	26 05 1953	John Acres & Lillian Acres	Beryl ROSE
357907	Deed	16 04 1957	Beryl Rose	Gilbert STEELE & Mary STEELE
CR596026	Deed	11 08 1971	Gilbert Steele & Mary Steele	Arduino RAPONI & Anna Maria RAPONI
OC623218	Deed	01 08 2006	Arduino Raponi & Anna Maria Raponi	Arduino RAPONI, Anna Maria RAPONI & Tristano RAPONI

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project # 20160202156
Address: 559 Riverdale Avenue. Ottawa
Legal Part Lot M. Con CRF,
Description: as in CR596026

Searched at: Ottawa
LRO #: 4

Page 2

PIN# 04129-0434 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
OC1016162	Survivorship Application	13 08 2009	Anna Maria Raponi - Estate	Arduino RAPONI & Tristano RAPONI
OC1278452	Deed (Present Owner)	31 08 2011	Arduino Raponi & Tristano Raponi	559 Riverdale Inc.

LAND
 REGISTRY
 OFFICE #4

04129-0434 (LT)

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

PROPERTY DESCRIPTION: PT LT M, CON CRF , AS IN CR596026 ; OTTAWA/NEPEAN

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
 LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK NP6

PIN CREATION DATE:

1996/11/18

OWNERS' NAMES

559 RIVERDALE INC.

CAPACITY SHARE

ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/11/18 ON THIS PIN**</p> <p>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/11/18**</p> <p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1996/11/15 **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *</p> <p>** AND ESCHEATS OR FORFEITURE TO THE CROWN.</p> <p>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF</p> <p>** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY</p> <p>** CONVENTION.</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</p> <p>**DATE OF CONVERSION TO LAND TITLES: 1996/11/18 **</p>						
CR596026	1971/08/11	TRANSFER		*** COMPLETELY DELETED ***	RAPONI, ARDUINO RAPONI, ANNA MARIA	
OC623218	2006/08/01	TRANSFER		*** COMPLETELY DELETED *** RAPONI, ANNA MARIA RAPONI, ARDUINO	RAPONI, TRISTANO RAPONI, ARDUINO RAPONI, ANNA MARIA	
OC1016162	2009/08/13	APL OF SURV-LAND		*** COMPLETELY DELETED *** RAPONI, ANNA MARIA	RAPONI, ARDUINO RAPONI, TRISTANO	
OC1016626	2009/08/14	CHARGE		*** COMPLETELY DELETED *** RAPONI, ARDUINO	ROYAL BANK OF CANADA	

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

LAND
 REGISTRY
 OFFICE #4

04129-0434 (LT)

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHRD
OC1278452	2011/08/31	TRANSFER	\$525,000	RAPONI, TRISTANO RAPONI, ARDUINO RAPONI, TRISTANO	559 RIVERDALE INC.	C
		REMARKS: PLANNING ACT STATEMENTS				
OC1278453	2011/08/31	CHARGE		*** COMPLETELY DELETED *** 559 RIVERDALE INC.	CIBC MORTGAGES INC.	
OC1292402	2011/10/07	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL BANK OF CANADA		
		REMARKS: OC1016626.				
OC1595358	2014/07/04	CHARGE	\$528,000	559 RIVERDALE INC.	CIBC MORTGAGES INC.	C
OC1595383	2014/07/04	NO ASSGN RENT GEN		559 RIVERDALE INC.	CIBC MORTGAGES INC.	C
		REMARKS: OC1595358.				
OC1595384	2014/07/04	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MORTGAGES INC.		
		REMARKS: OC1278453.				

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

APPENDIX 3
Site Photos



View from Riverdale (NW)



Riverdale (SW)



View from backyard (SE)



View from backyard (NE)



View from Riverdale (south)



View from Riverdale (north)



View from Riverdale



View from Riverdale



Backyard (east)



Backyard (east)



Backyard (east)



Fascade (north)



Hydro meter (north-east)



Gas meter (south west)



Furnace (basement)



Kitchen (basement)



Bathroom (basement)



Room (basement)



Laundry room (basement)



Ceiling and floor structure (basement)



Furnace room (basement)



Heating ducts (basement)



Water heater (basement)



Heating ducts (basement)



Hallway (basement)

APPENDIX 4
Aero photos



559 Riverdale Ave, 1930



559 Riverdale Ave, 1946



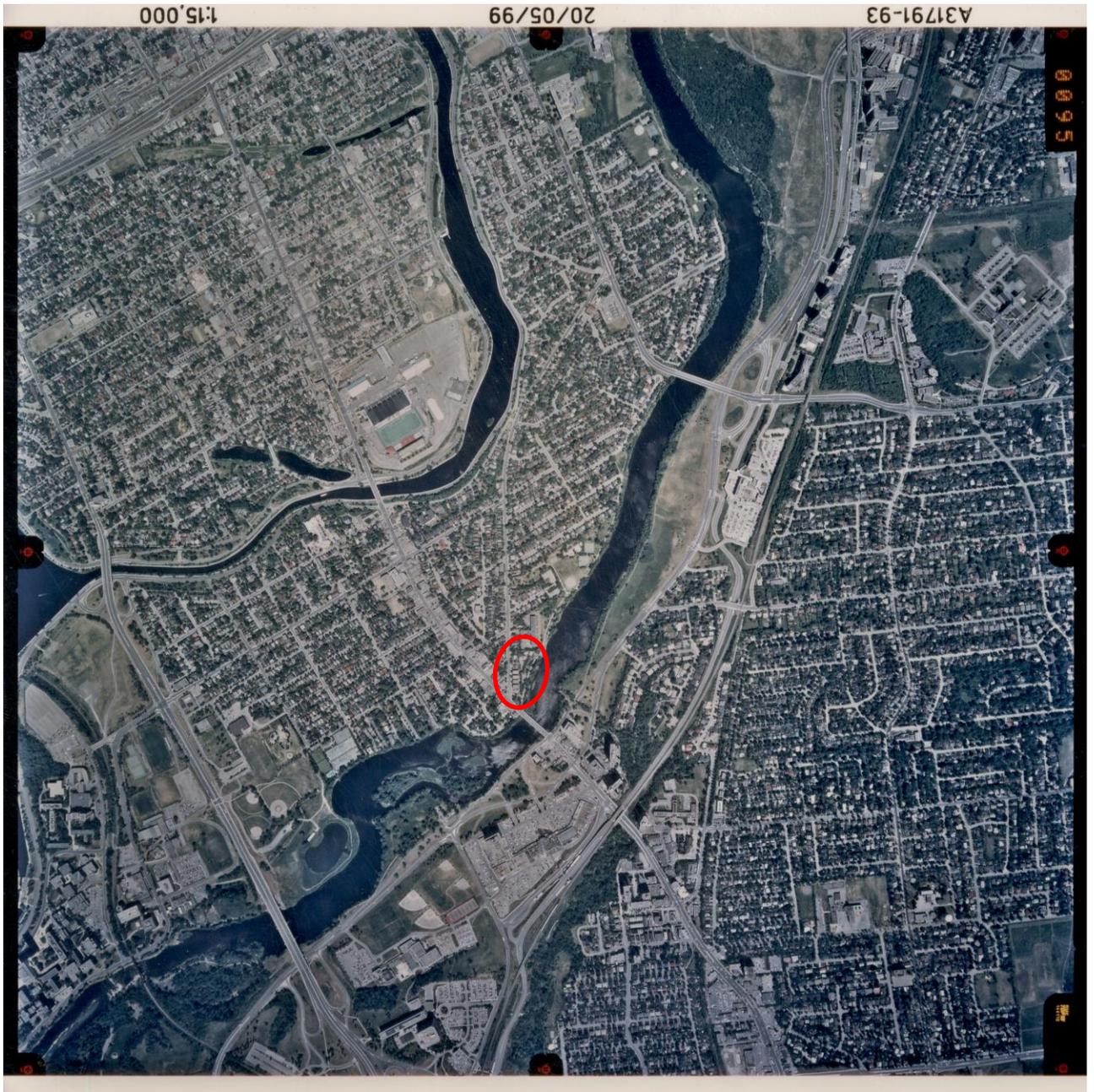
559 Riverdale Ave, 1961



559 Riverdale Ave, 1970



559 Riverdale Ave, 1983



559 Riverdale Ave, 1999



559 Riverdale Ave, 2007



559 Riverdale Ave, 2011

APPENDIX 5
Ecolog Eris Report



DATABASE REPORT

Project Property: *559 Riverdale Ave: ESA Phase I
559 Riverdale Ave
Ottawa ON K1S1S3
E-02-16*

Project No: *E-02-16*

Report Type: *RSC Premium Package (Urban)*

Order No: *20160202156*

Requested by: *Arch-NOVA Design Inc.*

Date Completed: *February 8, 2016*

Ecolog ERIS Ltd.
Environmental Risk Information
Service Ltd. (ERIS)
A division of Glacier Media Inc.
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Executive Summary

Property Information:

Project Property: 559 Riverdale Ave: ESA Phase I
559 Riverdale Ave Ottawa ON K1S1S3

Project No: E-02-16

Order Information:

Order No: 20160202156
Date Requested: February 2, 2016
Requested by: Arch-NOVA Design Inc.
Report Type: RSC Premium Package (Urban)

Additional Products:

Aerial Photographs National Collection - Digital (PDF)
City Directory Search Subject Site plus 5 Adjacent Properties
Fire Insurance Maps Canadian Fire Insurance Maps
Land Title Search Historical Title Search
Topographic Map Ontario Base Map (OBM)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</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	2	2
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	17	17
CA	<i>Certificates of Approval</i>	Y	0	8	8
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</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	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	5	5
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	32	32
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
FST	<i>Fuel Storage Tank</i>	Y	0	2	2
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	1	1
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	30	30
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	2	2
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defence & Canadian Forces Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
NDSP	<i>National Defence & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	6	6
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	5	5
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	4	4
SPL	<i>Ontario Spills</i>	Y	0	15	15
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	2	2
WWIS	<i>Water Well Information System</i>	Y	0	9	9
Total:			0	141	141

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		Ottawa ON	NNW/25.8	-0.87	26
2	BORE		ON	SE/37.9	0.13	26
3	RST	PENNZOIL TEN MINUTE OIL CHANGE CENTRE	1305 BANK ST OTTAWA ON K1S3Y2	SW/52.8	-0.87	27
4	EHS		1305 Bank Street Ottawa ON K1S 3Y2	SW/54.8	-0.87	28
4	RST	PENNZOIL TEN MINUTE OIL CHANGE CENTRE	1305 BANK ST OTTAWA ON K1S 3Y2	SW/54.8	-0.87	28
4	SPL	PETRO-CANADA	1305 BANK ST SERVICE STATION OTTAWA CITY ON K1S 3Y2	SW/54.8	-0.87	28
5	BORE		ON	ENE/63.6	1.13	28
6	CA	Ottawa	1265 Bank Street Ottawa ON K1S 3Y2	SW/67.8	-0.44	29
6	CA		1265 Bank Street Ottawa ON K1S 3Y2	SW/67.8	-0.44	29
7	WWIS		ON	WSW/70.1	0.13	30
8	CA	Telecom Ottawa Limited/Telecom Ottawa Limitée	591 Riverdale Ave Ottawa ON	S/89.1	0.35	30
9	GEN	EDDIE HUANG	1255 BANK STREET OTTAWA ON K1S 3Y2	W/80.2	1.13	31
10	WWIS		Ottawa ON	WNW/90.6	1.13	31
11	BORE		ON	S/106.8	1.13	31
12	GEN	Quantum Remediation Inc.	1270 Bank Street Ottawa ON K1S 3Y4	SW/98.7	0.10	32
12	SPL	Sysco Food Services Inc.<UNOFFICIAL>	1270 BANK ST.<UNOFFICIAL> Ottawa ON K1S 3Y4	SW/98.7	0.10	33
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON	WSW/108.3	0.53	33
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON	WSW/108.3	0.53	33
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	WSW/108.3	0.53	34
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	WSW/108.3	0.53	34
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON	WSW/108.3	0.53	34

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	WSW/108.3	0.53	34
13	EXP	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	WSW/108.3	0.53	35
14	PRT	SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	WSW/108.6	0.79	35
14	SPL	SUNY'S GAS BAR	1250 BANK ST. SERVICE STATION OTTAWA CITY ON K1S 3Y4	WSW/108.6	0.79	35
15	SCT	C A PARADIS INC	1314 BANK ST OTTAWA ON K1S 3Y4	SSW/119.1	0.68	36
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON	WNW/114.2	1.13	36
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON	WNW/114.2	1.13	36
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	36
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	37
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	37
16	GEN	HILLARY'S CLEANERS	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	37
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	37
16	GEN	FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	38
16	GEN	HILLARY'S CLEANERS 20-158	DIV. OF 587805 ONTARIO LTD.- HILLARY'S 1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	38
16	GEN	FRASER HILLARY'S LTD	1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	38
16	GEN	HILLARY'S CLEANERS	DIV. OF 587805 ONTARIO LTD.- HILLARY'S 1235 BANK STREET OTTAWA ON K1S 3Y2	WNW/114.2	1.13	38
17	SPL	City of Ottawa	1316 Bank St., West (Westbound Lanes) Ottawa ON	S/127.7	1.13	39
18	INC		507 RIVERSIDE AVENUE, OTTAWA ON	NNE/124.0	0.21	39
19	SCT	OTTAWA MAGAZINE INC	1312 BANK ST OTTAWA ON K1S 3Y4	SSW/129.3	-0.24	40
20	BORE		ON	S/138.9	1.13	40
21	SCT	A-1 Brass Polishing	1240 Bank St Ottawa ON K1S 3Y3	W/135.9	1.13	41
21	SCT	Yardley's Antiques	1240 Bank St Ottawa ON K1S 3Y3	W/135.9	1.13	41
22	SPL	SHELL CANADA PRODUCTS LTD.	476 RIVERDALE TANK TRUCK (CARGO) OTTAWA CITY ON K1S 1S2	NNW/141.5	1.13	41
23	SPL	ESSO PETROLEUM CANADA	474 RIVERDALE AVE. TANK TRUCK (CARGO) OTTAWA CITY ON K1S 1S2	NNW/151.4	1.13	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	BORE		ON	SSE/156.4	1.13	42
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	WNW/154.1	1.13	43
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON	WNW/154.1	1.13	43
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	WNW/154.1	1.13	43
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON	WNW/154.1	1.13	44
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	WNW/154.1	1.13	44
25	EXP	SUPERIOR PROPANE INC	1201 BANK ST OTTAWA ON	WNW/154.1	1.13	44
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	WNW/154.1	1.13	44
25	EXP	MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	WNW/154.1	1.13	45
26	GEN	LA PAUSE VELO LTEE /BIKE STOP, THE	1223-1225 BANK ST. OTTAWA ON K1S 3X7	WNW/156.9	1.71	45
26	GEN	LA PAUSE VELO LTEE THE BIKE STOP	1223-1225 BANK ST. OTTAWA ON K1S 3X7	WNW/156.9	1.71	45
26	GEN	LA PAUSE VELO LTEE THE BIKE STOP 24-482	1223-1225 BANK ST. OTTAWA ON K1S 3X7	WNW/156.9	1.71	45
27	BORE		ON	N/166.1	-0.18	46
28	BORE		ON	NE/163.5	1.13	46
29	CA	OTTAWA CITY	WINDSOR AVE./RIVERDALE AVE. OTTAWA CITY ON	N/172.3	1.13	47
30	WWIS		Ottawa ON	S/180.8	1.13	47
31	PRT	MR GAS LIMITED ATTN LILIANNE LEVAC	1201 BANK ST OTTAWA ON K1S 3X7	WNW/172.1	2.06	48
31	PRT		1201 BANK ST. OTTAWA ON	WNW/172.1	2.06	48
31	PRT	SUPERIOR PROPANE INC	1201 BANK ST OTTAWA ON K1S3X7	WNW/172.1	2.06	48
32	BORE		ON	SSE/180.0	1.13	48
33	BORE		ON	SSE/185.5	1.13	49
34	CA	Ottawa Community Housing Corporation	507 Riverdale Ave Ottawa ON K1S 1S4	NNE/182.5	1.13	50
34	INC		507 RIVERDALE AVENUE, OTTAWA ON K1S 1S4	NNE/182.5	1.13	50
34	SPL	Enbridge Gas Distribution Inc.	507 Riverdale Avenue Ottawa ON K1S 1S4	NNE/182.5	1.13	51
35	BORE		ON	SSE/194.7	1.13	51

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
36	ANDR	Bank & Riversdale Dump	Ottawa ON K1S 4	SSW/196.6	-1.77	52
37	WWIS		ON	NNE/208.3	-0.68	52
38	WDSH		nr Bank St. & Riversdale Ave. OTTAWA ON	SSW/211.2	-1.70	53
39	BORE		ON	SSE/224.0	1.13	53
40	CA	Charlesfort Developments Limited	88 Bellwood Avenue Ottawa ON	NNW/225.0	3.68	54
40	CA	Charlesfort Developments Limited	88 Bellwood Avenue Ottawa ON	NNW/225.0	3.68	54
40	GEN	OTTAWA ROMAN CATHOLIC SEPARATE SCHOOL BD	ST. MARGARET MARY SCHOOL 88 BELLWOOD AVENUE OTTAWA ON K1S 1T1	NNW/225.0	3.68	55
40	RSC	Charlesfort Developments Limited	88 BELLWOOD AVE, OTTAWA, ON, K1S 1T1 Ottawa ON K1S 1T1	NNW/225.0	3.68	55
40	SPL	OTTAWA HYDRO	88 BELLWOOD ST. TRANSFORMER OTTAWA CITY ON K1S 1T1	NNW/225.0	3.68	56
41	BORE		ON	SSE/229.6	1.13	56
42	EHS		Riverside Drive Ottawa ON	SSW/236.5	-0.87	56
43	BORE		ON	SSE/236.2	1.13	57
44	SPL	City of Ottawa	Bank St. & Riverside Ottawa ON	SSE/246.6	1.13	57
44	SPL	PRIVATE OWNER	AT THE CORNER OF BANK ST. & RIVERSIDE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SSE/246.6	1.13	58
44	SPL	UNKNOWN	SAWMILL CREEK RIVERSIDE DR. EAST OF BANK ST. OTTAWA CITY ON	SSE/246.6	1.13	58
45	BORE		ON	NNE/258.3	0.08	58
46	SPL	PRIVATE RESIDENCE	17 SCOTIA PLACE FURNACE OIL TANK OTTAWA CITY ON K1S 0W2	NW/256.8	4.24	59
47	WWIS		OTTAWA ON	SSE/264.4	1.13	59
48	EHS		1335 Bank St Ottawa ON K1H7X8	SSE/263.6	1.13	60
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON	SSE/263.6	1.13	60
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON	SSE/263.6	1.13	60
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/263.6	1.13	61

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON	SSE/263.6	1.13	61
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/263.6	1.13	61
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/263.6	1.13	62
48	EXP	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/263.6	1.13	62
48	FST	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/263.6	1.13	62
48	FST	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/263.6	1.13	63
49	WDSH		Windsor Park OTTAWA ON	NNE/265.3	0.13	63
50	CA	CASSONE CONSTRUCTION LTD.	WENDOVER AVE/WARRINGTON DR. OTTAWA CITY ON	SW/261.6	0.13	63
51	FSTH	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/265.3	1.13	64
51	PRT	GARY CUTTS & JOSEPH COONEY	1335 BANK ST OTTAWA ON K1H 7X8	SSE/265.3	1.13	64
51	RST	RIVERSIDE MART	1335 BANK ST OTTAWA ON K1H 7X8	SSE/265.3	1.13	64
51	RST	RIVERSIDE SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	SSE/265.3	1.13	64
51	RST	CUTTS MOTORS LTD	1335 BANK ST OTTAWA ON K1H7X8	SSE/265.3	1.13	65
51	SPL	CUTTS MOTORS LTD.	1335 BANK ST. SERVICE STATION OTTAWA CITY ON K1H 7X8	SSE/265.3	1.13	65
52	GEN	RIVERSIDE TOWER OTTAWA INC	2197 RIVERSIDE DR OTTAWA ON K1H 1A9	SE/264.5	1.13	65
53	GEN	RiverBank Dental	#108,2197 Riverside Dr Ottawa ON	SE/267.7	1.13	65
54	WWIS		ON	ENE/270.6	1.13	65
55	BORE		ON	NE/274.9	-0.87	66
56	EHS		1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	67
56	GEN	Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	67
56	GEN	Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	67
56	GEN	Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	67
56	GEN	Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	68

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
56	GEN	Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	68
56	GEN	Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	SSE/279.5	1.13	68
56	PRT	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/279.5	1.13	69
57	ANDR	Windsor Pk Dump	Ottawa ON K1S 0W	NNE/277.8	0.13	69
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	69
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	70
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON	SSE/280.1	1.13	70
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON	SSE/280.1	1.13	70
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON	SSE/280.1	1.13	70
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	71
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	71
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	71
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	71
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	71
58	EXP	WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	SSE/280.1	1.13	72
58	GEN	Imperial Oil	1330 Bank Street Ottawa ON	SSE/280.1	1.13	72
59	WWIS		Ottawa ON	SSE/280.3	1.13	72
60	BORE		ON	NNE/287.0	0.13	73
61	WWIS		Ottawa ON	SSE/288.8	1.13	73
62	EHS		2211 Riverside Drive Ottawa ON K1H 7X5	SSE/295.8	1.13	74
62	GEN	MEDICAL SCIENCES LABORATORIES 26-159	2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	SSE/295.8	1.13	74
62	GEN	MEDICAL SCIENCES LABORATORIES	2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	SSE/295.8	1.13	74
62	GEN	Richard Nahas Medicine Professional Corp	200-2211 Riverside Drive Ottawa ON K1H 7X5	SSE/295.8	1.13	75
62	GEN	MEDICAL SCIENCES LABORATORIES	2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	SSE/295.8	1.13	75
63	BORE		ON	NNE/299.7	0.13	75
64	SPL	PRIVATE RESIDENCE	41 WILLARD STREET FURNACE OIL TANK OTTAWA CITY ON K1S 1T6	NW/299.3	5.13	76

<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>
64	SPL	PRIVATE RESIDENCE	41 WILLARD ST FURNACE OIL TANK OTTAWA CITY ON K1S 1T6	NW/299.3	5.13	76

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 2 ANDR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Bank & Riversdale Dump	Ottawa ON K1S 4	196.6	<u>36</u>
Windsor Pk Dump	Ottawa ON K1S 0W	277.8	<u>57</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 17 BORE site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	37.9	<u>2</u>
	ON	63.6	<u>5</u>
	ON	106.8	<u>11</u>
	ON	138.9	<u>20</u>
	ON	156.4	<u>24</u>
	ON	166.1	<u>27</u>
	ON	163.5	<u>28</u>
	ON	180.0	<u>32</u>
	ON	185.5	<u>33</u>
	ON	194.7	<u>35</u>
	ON	224.0	<u>39</u>
	ON	229.6	<u>41</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	236.2	43
	ON	258.3	45
	ON	274.9	55
	ON	287.0	60
	ON	299.7	63

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 8 CA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ottawa	1265 Bank Street Ottawa ON K1S 3Y2	67.8	6
	1265 Bank Street Ottawa ON K1S 3Y2	67.8	6
Telecom Ottawa Limited/Telecom Ottawa Limitée	591 Riverdale Ave Ottawa ON	89.1	8
OTTAWA CITY	WINDSOR AVE./RIVERDALE AVE. OTTAWA CITY ON	172.3	29
Ottawa Community Housing Corporation	507 Riverdale Ave Ottawa ON K1S 1S4	182.5	34
Charlesfort Developments Limited	88 Bellwood Avenue Ottawa ON	225.0	40
Charlesfort Developments Limited	88 Bellwood Avenue Ottawa ON	225.0	40
CASSONE CONSTRUCTION LTD.	WENDOVER AVE/WARRINGTON DR. OTTAWA CITY ON	261.6	50

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2014 has found that there are 5 EHS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1305 Bank Street Ottawa ON K1S 3Y2	54.8	4
	Riverside Drive Ottawa ON	236.5	42

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1335 Bank St Ottawa ON K1H7X8	263.6	48
	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
	2211 Riverside Drive Ottawa ON K1H 7X5	295.8	62

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Current to Nov 2015 has found that there are 32 EXP site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON	108.3	13
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON	108.3	13
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	108.3	13
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	108.3	13
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON	108.3	13
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	108.3	13
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	108.3	13
MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	154.1	25
MR GAS LIMITED **	1201 BANK ST OTTAWA ON	154.1	25
MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	154.1	25
MR GAS LIMITED **	1201 BANK ST OTTAWA ON	154.1	25
MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	154.1	25
SUPERIOR PROPANE INC	1201 BANK ST OTTAWA ON	154.1	25
MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	154.1	25
MR GAS LIMITED **	1201 BANK ST OTTAWA ON K1S 3X7	154.1	25
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	263.6	48

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	263.6	48
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	263.6	48
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON	263.6	48
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	263.6	48
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON	263.6	48
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON	263.6	48
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	280.1	58

FST - Fuel Storage Tank

A search of the FST database, dated 2010-Nov 2015 has found that there are 2 FST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	263.6	48
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	263.6	48

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 1 FSTH site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	265.3	51

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-May 2015 has found that there are 30 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
EDDIE HUANG	1255 BANK STREET OTTAWA ON K1S 3Y2	80.2	9
Quantum Remediation Inc.	1270 Bank Street Ottawa ON K1S 3Y4	98.7	12
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON	114.2	16
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON	114.2	16
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
HILLARY'S CLEANERS	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
FRASER HILLARY LIMITED	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
HILLARY'S CLEANERS 20-158	DIV. OF 587805 ONTARIO LTD.- HILLARY'S 1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
FRASER HILLARY'S LTD	1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16
HILLARY'S CLEANERS	DIV. OF 587805 ONTARIO LTD.- HILLARY'S 1235 BANK STREET OTTAWA ON K1S 3Y2	114.2	16

Site	Address	Distance (m)	Map Key
LA PAUSE VELO LTEE /BIKE STOP, THE	1223-1225 BANK ST. OTTAWA ON K1S 3X7	156.9	26
LA PAUSE VELO LTEE THE BIKE STOP	1223-1225 BANK ST. OTTAWA ON K1S 3X7	156.9	26
LA PAUSE VELO LTEE THE BIKE STOP 24-482	1223-1225 BANK ST. OTTAWA ON K1S 3X7	156.9	26
OTTAWA ROMAN CATHOLIC SEPARATE SCHOOL BD	ST. MARGARET MARY SCHOOL 88 BELLWOOD AVENUE OTTAWA ON K1S 1T1	225.0	40
RIVERSIDE TOWER OTTAWA INC	2197 RIVERSIDE DR OTTAWA ON K1H 1A9	264.5	52
RiverBank Dental	#108,2197 Riverside Dr Ottawa ON	267.7	53
Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
Imperial Oil	1330 Bank Street Ottawa ON K1H 7X9	279.5	56
Imperial Oil	1330 Bank Street Ottawa ON	280.1	58
MEDICAL SCIENCES LABORATORIES	2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	295.8	62
Richard Nahas Medicine Professional Corp	200-2211 Riverside Drive Ottawa ON K1H 7X5	295.8	62
MEDICAL SCIENCES LABORATORIES 26-159	2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	295.8	62
MEDICAL SCIENCES LABORATORIES	2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	295.8	62

INC - TSSA Incidents

A search of the INC database, dated June 2009 - Nov 2015 has found that there are 2 INC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	507 RIVERSIDE AVENUE, OTTAWA ON	124.0	18

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	507 RIVERDALE AVENUE, OTTAWA ON K1S 1S4	182.5	34

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 6 PRT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNYS PETROLEUM INC	1250 BANK ST OTTAWA ON K1S 3Y4	108.6	14
SUPERIOR PROPANE INC	1201 BANK ST OTTAWA ON K1S3X7	172.1	31
MR GAS LIMITED ATTN LILIANNE LEVAC	1201 BANK ST OTTAWA ON K1S 3X7	172.1	31
	1201 BANK ST. OTTAWA ON	172.1	31
GARY CUTTS & JOSEPH COONEY	1335 BANK ST OTTAWA ON K1H 7X8	265.3	51
WILLIAM KENNEDY AUTOMOTIVE LTD	1330 BANK ST OTTAWA ON K1H 7X9	279.5	56

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Jan 2016 has found that there are 1 RSC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Charlesfort Developments Limited	88 BELLWOOD AVE, OTTAWA, ON, K1S 1T1 Ottawa ON K1S 1T1	225.0	40

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Jul 2014 has found that there are 5 RST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PENNZOIL TEN MINUTE OIL CHANGE CENTRE	1305 BANK ST OTTAWA ON K1S3Y2	52.8	3
PENNZOIL TEN MINUTE OIL CHANGE CENTRE	1305 BANK ST OTTAWA ON K1S 3Y2	54.8	4
RIVERSIDE SERVICE STATION	1335 BANK ST OTTAWA ON K1H 7X8	265.3	51

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CUTTS MOTORS LTD	1335 BANK ST OTTAWA ON K1H7X8	265.3	51
RIVERSIDE MART	1335 BANK ST OTTAWA ON K1H 7X8	265.3	51

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 4 SCT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
C A PARADIS INC	1314 BANK ST OTTAWA ON K1S 3Y4	119.1	15
OTTAWA MAGAZINE INC	1312 BANK ST OTTAWA ON K1S 3Y4	129.3	19
A-1 Brass Polishing	1240 Bank St Ottawa ON K1S 3Y3	135.9	21
Yardley's Antiques	1240 Bank St Ottawa ON K1S 3Y3	135.9	21

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2015 has found that there are 15 SPL site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PETRO-CANADA	1305 BANK ST SERVICE STATION OTTAWA CITY ON K1S 3Y2	54.8	4
Sysco Food Services Inc.<UNOFFICIAL>	1270 BANK ST.<UNOFFICIAL> Ottawa ON K1S 3Y4	98.7	12
SUNY'S GAS BAR	1250 BANK ST. SERVICE STATION OTTAWA CITY ON K1S 3Y4	108.6	14
City of Ottawa	1316 Bank St., West (Westbound Lanes) Ottawa ON	127.7	17
SHELL CANADA PRODUCTS LTD.	476 RIVERDALE TANK TRUCK (CARGO) OTTAWA CITY ON K1S 1S2	141.5	22
ESSO PETROLEUM CANADA	474 RIVERDALE AVE. TANK TRUCK (CARGO) OTTAWA CITY ON K1S 1S2	151.4	23
Enbridge Gas Distribution Inc.	507 Riverdale Avenue Ottawa ON K1S 1S4	182.5	34
OTTAWA HYDRO	88 BELLWOOD ST. TRANSFORMER OTTAWA CITY ON K1S 1T1	225.0	40
PRIVATE OWNER	AT THE CORNER OF BANK ST. & RIVERSIDE MOTOR VEHICLE (OPERATING FLUID)	246.6	44

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	OTTAWA CITY ON		
City of Ottawa	Bank St. & Riverside Ottawa ON	246.6	44
UNKNOWN	SAWMILL CREEK RIVERSIDE DR. EAST OF BANK ST. OTTAWA CITY ON	246.6	44
PRIVATE RESIDENCE	17 SCOTIA PLACE FURNACE OIL TANK OTTAWA CITY ON K1S 0W2	256.8	46
CUTTS MOTORS LTD.	1335 BANK ST. SERVICE STATION OTTAWA CITY ON K1H 7X8	265.3	51
PRIVATE RESIDENCE	41 WILLARD STREET FURNACE OIL TANK OTTAWA CITY ON K1S 1T6	299.3	64
PRIVATE RESIDENCE	41 WILLARD ST FURNACE OIL TANK OTTAWA CITY ON K1S 1T6	299.3	64

WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory

A search of the WDSH database, dated Up to Oct 1990* has found that there are 2 WDSH site(s) within approximately 0.30 kilometers of the project property.

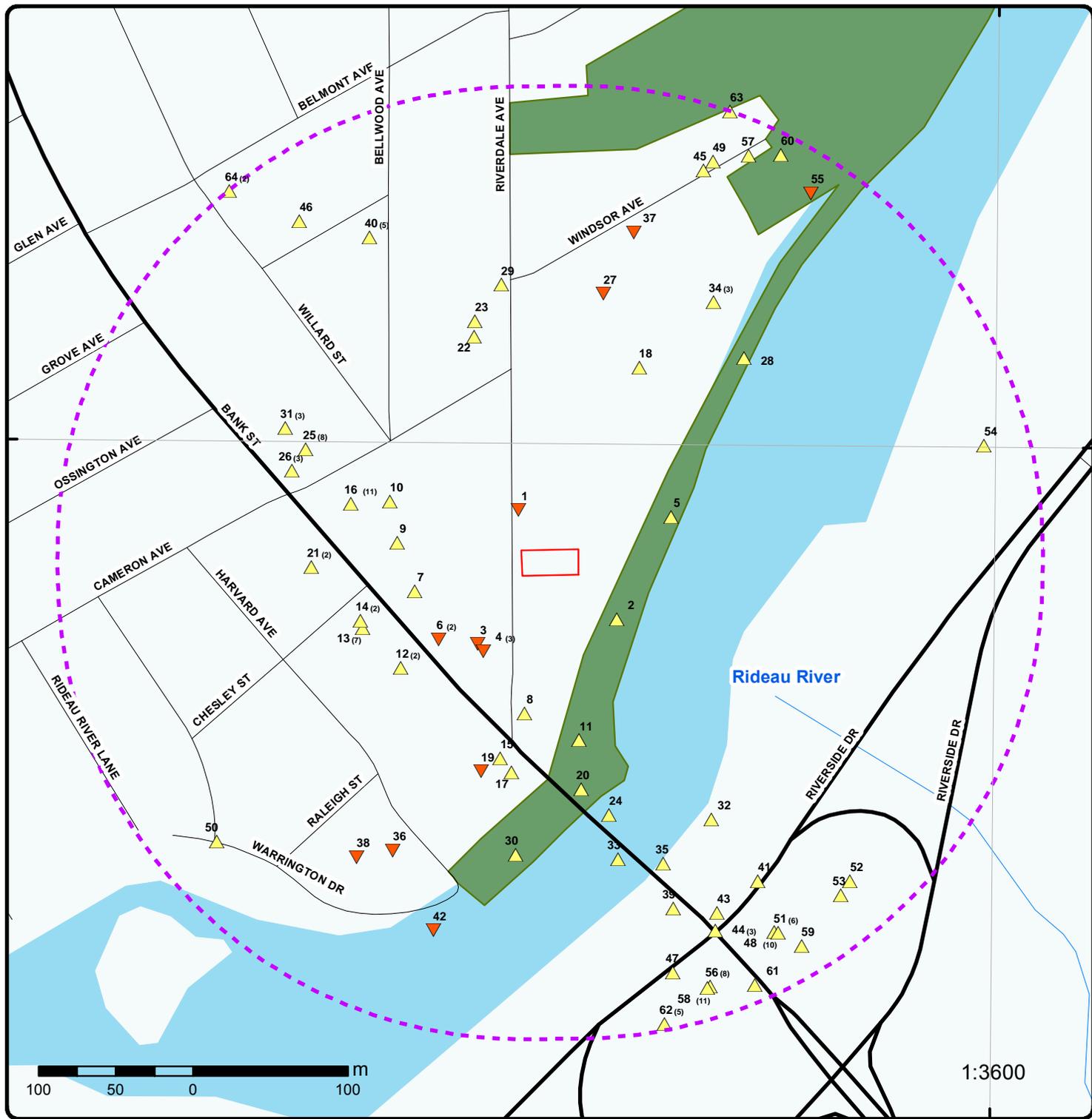
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	nr Bank St. & Riversdale Ave. OTTAWA ON	211.2	38
	Windsor Park OTTAWA ON	265.3	49

WWIS - Water Well Information System

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 9 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON	25.8	1
	ON	70.1	7
	Ottawa ON	90.6	10
	Ottawa ON	180.8	30
	ON	208.3	37
	OTTAWA ON	264.4	47

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	270.6	54
	Ottawa ON	280.3	59
	Ottawa ON	288.8	61

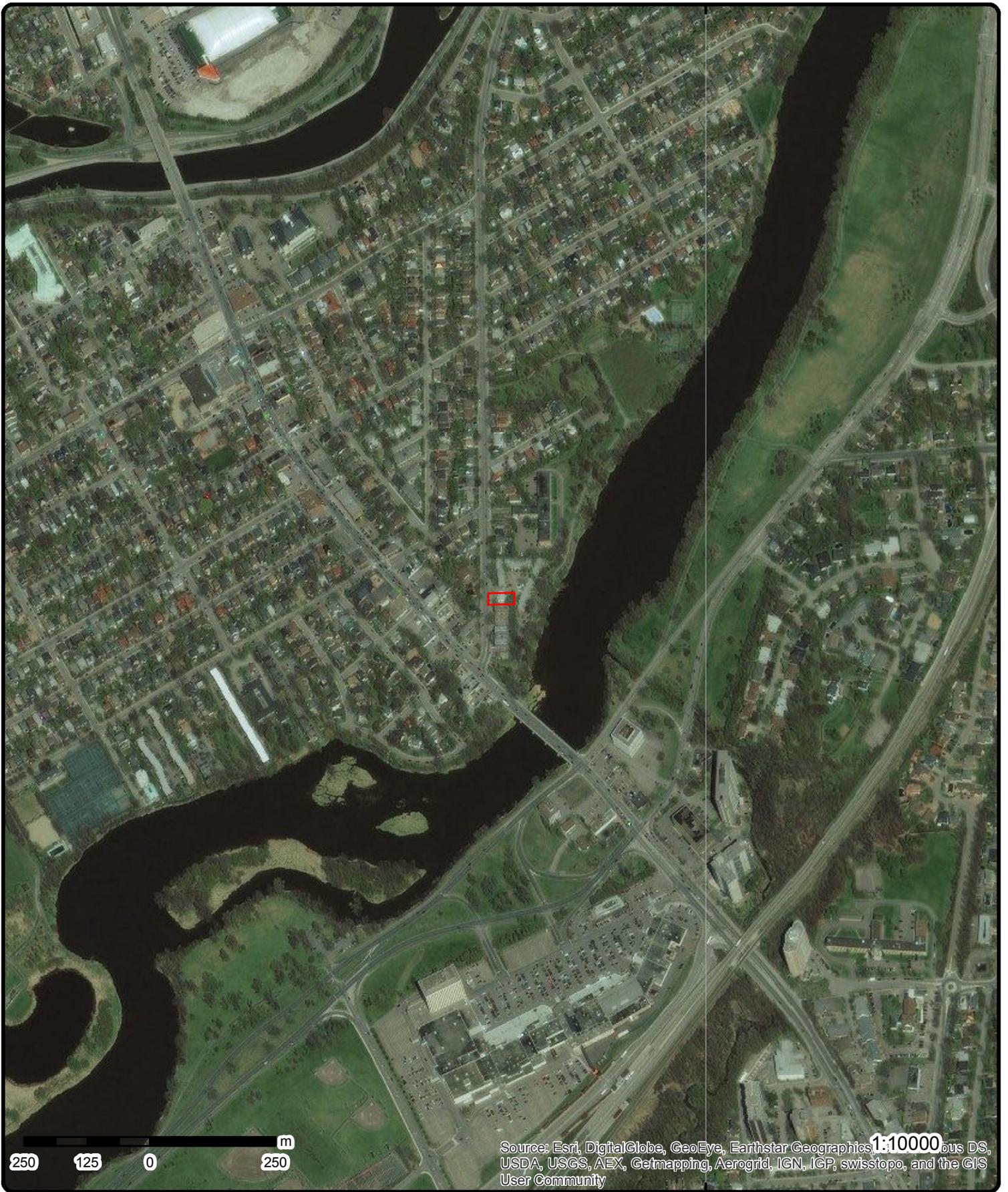


Map

Order No: 20160202156

Address: 559 Riverdale Ave, Ottawa, ON, K1S1S3

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



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, 1:10000 bus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Aerial

Order No: 20160202156

Address: 559 Riverdale Ave, Ottawa, ON, K1S1S3

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>1</u>	1 of 1	NNW/25.8	58.0	Ottawa ON	WWIS
Well ID:		7122986	Lot:		
Concession:			Concession Name:		
County:		OTTAWA-CARLETON	Municipality: OTTAWA CITY		
Easting Nad83:		446857	Northing Nad83: 5026642		
Zone:		18	Utm Reliability: margin of error : 30 m - 100 m		
Primary Water Use:		Monitoring	Construction Date: 03-SEP-08		
Sec. Water Use:			Well Depth: 8.2 m		
Pump Rate:			Static Water Level: 3 m		
Flow Rate:			Clear/Cloudy:		
Specific Capacity:			Final Well Status: Test Hole		
Construction Method:		H.S.A.	Flowing (y/n):		
Elevation (m):		59.49	Elevation Reliability:		
Depth to Bedrock:			Overburden/Bedrock:		
Water Type:			k:		
			Casing Material: Not stated		
--- Details ---					
Thickness:		.2 m	Original Depth: .2 m		
Material Colour:			Material: OTHER		
+					
Thickness:		1.6 m	Original Depth: 1.8 m		
Material Colour:		GREY	Material: FILL, SAND		
+					
Thickness:		1.2 m	Original Depth: 3 m		
Material Colour:		BROWN	Material: SAND, SILT, GRAVEL		
+					
Thickness:		.5 m	Original Depth: 3.5 m		
Material Colour:		GREY	Material: SAND, TILL, GRAVEL		
+					
Thickness:		4.7 m	Original Depth: 8.2 m		
Material Colour:		BROWN	Material: MEDIUM SAND, , WATER-BEARING		
<u>2</u>	1 of 1	SE/37.9	59.0	ON	BORE
Borehole ID:		803904	Type: Borehole		
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Hollow stem auger	UTM Zone: 18		
Easting:		446919.48	Northing: 5026571.49		
Location Accuracy:			Orig. Ground Elev 58.8		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Elev. Reliability Note:				m: DEM Ground Elev	58.5
Total Depth m:	9			m: Primary Name:	BH 2
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	11-MAR-1982			Static Water Level:	3.1
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218578403			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
+					
Stratum ID:	218578404			Top Depth(m):	0.1
Bottom Depth(m):	0.9			Stratum Desc:	Brown to Black Fill-Misc Silt - Sand With: Cob W BlDs
+					
Stratum ID:	218578405			Top Depth(m):	0.9
Bottom Depth(m):	2.2			Stratum Desc:	Dark Brown Fill-Misc clay silt With: Sa Trace: Brk Frag Tr Constr Debris
+					
Stratum ID:	218578406			Top Depth(m):	2.2
Bottom Depth(m):	2.5			Stratum Desc:	Grey-Brown Alluvium Silty Clay With: Sa
+					
Stratum ID:	218578407			Top Depth(m):	2.5
Bottom Depth(m):	4.1			Stratum Desc:	Brown Compact Sand With: Cl W Gr Occasional: Cob
+					
Stratum ID:	218578408			Top Depth(m):	4.1
Bottom Depth(m):	4.9			Stratum Desc:	Brown Compact Sand Trace: Gr
+					
Stratum ID:	218578409			Top Depth(m):	4.9
Bottom Depth(m):	7.2			Stratum Desc:	Brown Compact to Dense Sand - Gravel With: Si
+					
Stratum ID:	218578410			Top Depth(m):	7.2
Bottom Depth(m):	8.3			Stratum Desc:	Brown Compact Silt - Sand
+					
Stratum ID:	218578411			Top Depth(m):	8.3
Bottom Depth(m):	9.0			Stratum Desc:	Grey Till Silt - Sand With: Gr Trace: Cl

[3](#)

1 of 1

SW/52.8

58.0

**PENNZOIL TEN MINUTE OIL CHANGE
CENTRE
1305 BANK ST
OTTAWA ON K1S3Y2**

RST

**Facility:
Description:**

OIL CHANGES & LUBRICATION SERVICE

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>4</u>	1 of 3	SW/54.8	58.0	1305 Bank Street Ottawa ON K1S 3Y2	EHS
Order No.:		20120427030			
Report Date:		08-MAY-12			
Report Type:		Standard Report			
Search Radius (km):		.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans			
<u>4</u>	2 of 3	SW/54.8	58.0	PENNZOIL TEN MINUTE OIL CHANGE CENTRE 1305 BANK ST OTTAWA ON K1S 3Y2	RST
Facility:		OIL CHANGES & LUBRICATION SERVICE			
Description:					
<u>4</u>	3 of 3	SW/54.8	58.0	PETRO-CANADA 1305 BANK ST SERVICE STATION OTTAWA CITY ON K1S 3Y2	SPL
Ref NO:		19774			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		UNDERGROUND TANK LEAK			
Incident Dt:		8/4/1988			
Incident Reason:		DAMAGE BY MOVING EQUIPMENT			
Incident Summary:		BACKENTRY - PETRO-CANADA EST 20-40 LTRS FROM TANK OIL/PERCHLORETHYLENE MIX			
MOE Reported Dt:		8/4/1988			
Environmental Impact:		NOT ANTICIPATED			
Nature of Impact:					
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		20101			
<u>5</u>	1 of 1	ENE/63.6	60.0	ON	BORE
Borehole ID:		803910		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Hollow stem auger			
Easting:		446954.87		Status:	
Location Accuracy:				UTM Zone: 18	
				Northing: 5026637.82	
				Orig. Ground Elev m: 58.4	
				DEM Ground Elev m: 57.8	
Elev. Reliability Note:				Primary Name: BH 3	
Total Depth m: 13.4				Concession:	
Township:				Municipality:	
Lot:				Static Water Level: 2.4	
Completion Date: 10-MAR-1982				Sec. Water Use:	
Primary Water Use:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--- Details ---					
Stratum ID:	218578437			Top Depth(m):	2.9
Bottom Depth(m):	6.9			Stratum Desc:	Brown Very Dense to Compact Sand - Gravel With: Si Trace: Cl Occasional: Cob Occ Blds
+					
Stratum ID:	218578438			Top Depth(m):	6.9
Bottom Depth(m):	9.5			Stratum Desc:	Grey Very Dense Till Silt - Sand With: Gr W Cob Trace: Cl
+					
Stratum ID:	218578439			Top Depth(m):	9.5
Bottom Depth(m):	10.1			Stratum Desc:	Grey Bedrock Limestone
+					
Stratum ID:	218578440			Top Depth(m):	10.1
Bottom Depth(m):	12.2			Stratum Desc:	Grey Bedrock Limestone
+					
Stratum ID:	218578441			Top Depth(m):	12.2
Bottom Depth(m):	13.4			Stratum Desc:	Grey Bedrock Limestone
+					
Stratum ID:	218578434			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	Brown Fill-Misc Silt - Sand With: Brk Frag W Constr Debris
+					
Stratum ID:	218578435			Top Depth(m):	1.5
Bottom Depth(m):	2.2			Stratum Desc:	Brown Fill-Misc clay silt With: Sa Trace: Gr Tr Constr Debris
+					
Stratum ID:	218578436			Top Depth(m):	2.2
Bottom Depth(m):	2.9			Stratum Desc:	Brown Dense Fill-Misc Sand - Gravel Trace: Cl

[6](#)

1 of 2

SW/67.8

58.4

Ottawa
1265 Bank Street
Ottawa ON K1S 3Y2

CA

Certificate #: 5722-57ZSAV
Application Year: 02
Issue Date: 3/13/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The TDL Group Ltd.
Client Address: 874 Sinclair Road
Client City: Oakville
Client Postal Code: L6K 2Y1
Project Description: Stormwater management storage and connecting to an existing combined sewer
Contaminants:
Emission Control:

[6](#)

2 of 2

SW/67.8

58.4

1265 Bank Street
Ottawa ON K1S 3Y2

CA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Certificate #: Application Year: Issue Date: Approval Type: Municipal & Private sewage Status: Returned Application Type: New Certificate of Approval Client Name: TDL Group Ltd. Client Address: 874 Sinclair Road Client City: Oakville Client Postal Code: L6K 2Y1 Project Description: Contaminants: Emission Control:					

7	1 of 1	WSW/70.1	59.0	ON	WWIS
Well ID: 7122990 Concession: County: OTTAWA-CARLETON Easting Nad83: 446823 Zone: 18 Primary Water Use: Monitoring Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: H.S.A. Elevation (m): 59.91 Depth to Bedrock: Water Type: --- Details --- Thickness: .2 m Material Colour: + Thickness: .7 m Material Colour: GREY + Thickness: 6.9 m Material Colour: BROWN					
Lot: Concession Name: Municipality: OTTAWA CITY Northing Nad83: 5026653 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 28-AUG-08 Well Depth: 7.8 m Static Water Level: 3.5 m Clear/Cloudy: Final Well Status: Test Hole Flowing (y/n): Elevation Reliability: Overburden/Bedrock: k: Casing Material: Not stated Original Depth: .2 m Material: OTHER Original Depth: .9 m Material: FILL, STONES Original Depth: 7.8 m Material: SAND, FILL, GRAVEL					

8	1 of 1	S/89.1	59.2	Telecom Ottawa Limited/Telecom Ottawa Limitée 591 Riverdale Ave Ottawa ON	CA
Certificate #: 9548-849MLU Application Year: 2010 Issue Date: 4/7/2010 Approval Type: Air					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<u>9</u>	1 of 1	W/80.2	60.0	EDDIE HUANG 1255 BANK STREET OTTAWA ON K1S 3Y2	GEN
Generator #:		ON3738606			
Approval Yrs:		2011			
SIC Code:		445110			
SIC Description:					
<u>10</u>	1 of 1	WNW/90.6	60.0	Ottawa ON	WWIS
Well ID:		7122987			
Concession:					
County:		OTTAWA-CARLETON			
Easting Nad83:		446773			
Zone:		18			
Primary Water Use:		Monitoring			
Sec. Water Use:					
Pump Rate:					
Flow Rate:					
Specific Capacity:					
Construction Method:		H.S.A.			
Elevation (m):		60.11			
Depth to Bedrock:					
Water Type:					
--- Details ---					
Thickness:		.2 m			
Material Colour:					
+					
Thickness:		2.1 m			
Material Colour:		BROWN			
+					
Thickness:		6.6 m			
Material Colour:		BROWN			
Lot:					
Concession Name:					
Municipality:		OTTAWA CITY			
Northing Nad83:		5026648			
Utm Reliability:		margin of error : 30 m - 100 m			
Construction Date:		04-SEP-08			
Well Depth:		8.9 m			
Static Water Level:		4.1 m			
Clear/Cloudy:					
Final Well Status:		Test Hole			
Flowing (y/n):					
Elevation Reliability:					
Overburden/Bedrock:					
k:					
Casing Material:		Not stated			
Original Depth:		.2 m			
Material:		OTHER			
Original Depth:		2.3 m			
Material:		SAND, FILL, SILTY			
Original Depth:		8.9 m			
Material:		SAND, SILT			
<u>11</u>	1 of 1	S/106.8	60.0	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Borehole ID:	803889			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone: 18	
Easting:	446895.19			Northing: 5026493.46	
Location Accuracy:				Orig. Ground Elev m: 57.6	
Elev. Reliability Note:				DEM Ground Elev m: 59.1	
Total Depth m:	12.5			Primary Name: BH 1	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	12-MAR-1982			Static Water Level: 1.6	
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218578352			Top Depth(m): 0.0	
Bottom Depth(m):	0.2			Stratum Desc: Topsoil	
+					
Stratum ID:	218578353			Top Depth(m): 0.2	
Bottom Depth(m):	0.7			Stratum Desc: Brown Fill-Misc Silt - Sand With: Gr W Cob	
+					
Stratum ID:	218578354			Top Depth(m): 0.7	
Bottom Depth(m):	1.3			Stratum Desc: Brown Fill-Misc clay silt With: Sa	
+					
Stratum ID:	218578355			Top Depth(m): 1.3	
Bottom Depth(m):	2.1			Stratum Desc: Brown Fill-Misc Silt - Sand With: Cl	
+					
Stratum ID:	218578356			Top Depth(m): 2.1	
Bottom Depth(m):	3.8			Stratum Desc: Brown Very Dense Sand - Gravel With: Si Trace: Cl Occasional: Cob Occ BlDs	
+					
Stratum ID:	218578357			Top Depth(m): 3.8	
Bottom Depth(m):	5.2			Stratum Desc: Brown Very Dense Sand - Gravel With: BlDs	
+					
Stratum ID:	218578358			Top Depth(m): 5.2	
Bottom Depth(m):	9.2			Stratum Desc: Grey Very Dense Till Silt - Sand With: Gr W Cob W BlDs Trace: Cl	
+					
Stratum ID:	218578359			Top Depth(m): 9.2	
Bottom Depth(m):	9.4			Stratum Desc: Grey Bedrock Limestone	
+					
Stratum ID:	218578360			Top Depth(m): 9.4	
Bottom Depth(m):	12.5			Stratum Desc: Grey Bedrock Limestone	

12 1 of 2 SW/98.7 59.0 **Quantum Remediation Inc.** **GEN**
1270 Bank Street
Ottawa ON K1S 3Y4

Generator #: ON9294963

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Approval Yrs: SIC Code: SIC Description:		05 238910 Site Preparation Contractors			
--- Details ---					
Waste Code: Waste Description:		221 LIGHT FUELS			
+ Waste Code: Waste Description:		251 OIL SKIMMINGS & SLUDGES			
12	2 of 2	SW/98.7	59.0	Sysco Food Services Inc.<UNOFFICIAL> 1270 BANK ST.<UNOFFICIAL> Ottawa ON K1S 3Y4	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		3414-5Q2JVG 13 DIESEL FUEL 340 L Other Discharges 8/1/2003 Sysco Food Ser-340 L DSL to rd,cleaning 8/2/2003 Possible Other Impact(s) Land Spill to Land Transport Truck Ottawa			
13	1 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON	EXP
Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description:		50721 10899849 FS Piping EXPIRED FS Piping			
13	2 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON	EXP
Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		382913 			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Instance Number:		9468679			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
13	3 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON K1S 3Y4	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		2/17/1994			
Instance Number:		10899840			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
13	4 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON K1S 3Y4	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		2/17/1994			
Instance Number:		10899858			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
13	5 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON	EXP
Instance ID:		50944			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
Instance Number:		10899864			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
13	6 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON K1S 3Y4	EXP
Instance ID:		50775			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		2/17/1994			
Instance Number:		10899858			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
13	7 of 7	WSW/108.3	59.4	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON K1S 3Y4	EXP
Instance ID:		50191			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		2/17/1994			
Instance Number:		10899840			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
14	1 of 2	WSW/108.6	59.7	SUNYS PETROLEUM INC 1250 BANK ST OTTAWA ON K1S 3Y4	PRT
Location ID:		10840			
Type:		retail			
Expiry Date:		1994-12-31			
Capacity (L):		45400			
Licence #:		0012247001			
14	2 of 2	WSW/108.6	59.7	SUNY'S GAS BAR 1250 BANK ST. SERVICE STATION OTTAWA CITY ON K1S 3Y4	SPL
Ref NO:		44412			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Dt:		12/9/1990			
Incident Reason:		EQUIPMENT FAILURE			
Incident Summary:		SUNY'S GAS BAR - 5 L GASOLINE TO GRD DUE TO FAULTY PUMP.			
MOE Reported Dt:		12/9/1990			
Environmental Impact:		NOT ANTICIPATED			
Nature of Impact:					
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		20101			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
15	1 of 1	SSW/119.1	59.6	C A PARADIS INC 1314 BANK ST OTTAWA ON K1S 3Y4	SCT
Established:		0			
Plant Size (ft²):		50			
Employment:					
--- Details ---					
SIC/NAICS Code:		5046			
Description:		COMMERCIAL EQUIPMENT, N.E.C.			
16	1 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON	GEN
Generator #:		ON0491108			
Approval Yrs:		2013			
SIC Code:		812320			
SIC Description:		DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
16	2 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON	GEN
Generator #:		ON0491108			
Approval Yrs:		03,04,05,06,07,08			
SIC Code:		812320			
SIC Description:		Dry Cleaning & Laundry Serv. (exc. Coin-Op.)			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
16	3 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
Generator #:		ON0491108			
Approval Yrs:		2010			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--- Details ---					
			146		
			OTHER SPECIFIED INORGANICS		
			+		
			241		
			HALOGENATED SOLVENTS		
16	4 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
			Generator #:	ON0491108	
			Approval Yrs:	As of May 2015	
			SIC Code:		
			SIC Description:		
--- Details ---					
			241		
			Halogenated solvents and residues		
16	5 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
			Generator #:	ON0491108	
			Approval Yrs:	2009	
			SIC Code:	812320	
			SIC Description:	Dry Cleaning and Laundry Services (except Coin-Operated)	
--- Details ---					
			146		
			OTHER SPECIFIED INORGANICS		
			+		
			241		
			HALOGENATED SOLVENTS		
16	6 of 11	WNW/114.2	60.0	HILLARY'S CLEANERS 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
			Generator #:	ON0491108	
			Approval Yrs:	92,93,97,98,99,00,01	
			SIC Code:	9721	
			SIC Description:	POWER LAUND./CLEANER	
--- Details ---					
			241		
			HALOGENATED SOLVENTS		
16	7 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
			Generator #:	ON0491108	
			Approval Yrs:	2011	
			SIC Code:	812320	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
16	8 of 11	WNW/114.2	60.0	FRASER HILLARY LIMITED 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
Generator #:		ON0491108			
Approval Yrs:		2012			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
16	9 of 11	WNW/114.2	60.0	HILLARY'S CLEANERS 20-158 DIV. OF 587805 ONTARIO LTD.-HILLARY'S 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
Generator #:		ON0491108			
Approval Yrs:		94,95,96			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
16	10 of 11	WNW/114.2	60.0	FRASER HILLARY'S LTD 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN
Generator #:		ON0491110			
Approval Yrs:		02,03,04			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
16	11 of 11	WNW/114.2	60.0	HILLARY'S CLEANERS DIV. OF 587805 ONTARIO LTD.-HILLARY'S 1235 BANK STREET OTTAWA ON K1S 3Y2	GEN

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Generator #:		ON0491108			
Approval Yrs:		86,87,88,89			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANERS			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			

17 1 of 1 **S/127.7** **60.0** **City of Ottawa
1316 Bank St., West (Westbound Lanes)
Ottawa ON** **SPL**

Ref NO: 7385-793NGR
Contaminant Code: 24
Contaminant Name: ETHYLENE GLYCOL (ANTIFREEZE)
Contaminant Quantity: 2 L
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason: Equipment/Vehicles
Incident Summary: OC Transpo - 2L antifreeze to c/b
MOE Reported Dt: 11/18/2007
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Site Municipality: Ottawa

18 1 of 1 **NNE/124.0** **59.1** **507 RIVERSIDE AVENUE, OTTAWA
ON** **INC**

Incident ID: 2279818
Incident Number: 128984
SR Type: FS-Incident
Status Code: Causal Analysis Complete
Summary: 507 RIVERSIDE AVENUE, OTTAWA - 4" PIPELINE HIT
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.:
Notes:
Pipeline Type: Service / Riser Distribution Pipeline

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipeline Involved: Pipe Material: Plastic Depth Ground Cover: 0.45 Regulator Location: Outside Regulator Type: Service Regulator (up to 60 psi intake) Operation Pressure: 45 Pipeline Notes: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac.: Liquid Prop Notes:					
19	1 of 1	SSW/129.3	58.6	OTTAWA MAGAZINE INC 1312 BANK ST OTTAWA ON K1S 3Y4	SCT
Established: 1981 Plant Size (ft²): 0 Employment: 10 --- Details --- SIC/NAICS Code: 2721 Description: PERIODICALS: PUBLISHING, OR PUBLISHING & PRINTING					
20	1 of 1	S/138.9	60.0	ON	BORE
Borehole ID: 802962 Use: Geotechnical/Geological Investigation Drill Method: Rotary (conventional) Easting: 446896.65 Location Accuracy: Elev. Reliability Note: Total Depth m: 15.1 Township: Lot: Completion Date: 25-MAR-1981 Primary Water Use: --- Details --- Stratum ID: 218574297 Bottom Depth(m): 0.1 + Stratum ID: 218574298					
Type: Borehole Status: UTM Zone: 18 Northing: 5026461.43 Orig. Ground Elev m: 60.6 DEM Ground Elev m: 59.9 Primary Name: BH 3 Concession: Municipality: Static Water Level: -999.9 Sec. Water Use: Top Depth(m): 0.0 Stratum Desc: Concrete Top Depth(m): 0.1					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				Stratum Desc: Void AIR	
	Bottom Depth(m): 2.1				
	+				
	Stratum ID: 218574299			Top Depth(m): 2.1	
	Bottom Depth(m): 6.6			Stratum Desc: Light Grey Concrete Fresh to lightly weathered	
	+				
	Stratum ID: 218574300			Top Depth(m): 6.6	
	Bottom Depth(m): 10.2			Stratum Desc: Grey Very Dense Till Sand - Gravel With: Cob Trace: Si	
	+				
	Stratum ID: 218574301			Top Depth(m): 10.2	
	Bottom Depth(m): 15.1			Stratum Desc: Light Dark Grey to Grey Bedrock Limestone Eastview Formation	
21	1 of 2	W/135.9	60.0	A-1 Brass Polishing 1240 Bank St Ottawa ON K1S 3Y3	SCT
	Established: 1986				
	Plant Size (ft²):				
	Employment:				
	--- Details ---				
	SIC/NAICS Code: 332810				
	Description: Coating, Engraving, Heat Treating and Allied Activities				
	+				
	SIC/NAICS Code: 339990				
	Description: All Other Miscellaneous Manufacturing				
21	2 of 2	W/135.9	60.0	Yardley's Antiques 1240 Bank St Ottawa ON K1S 3Y3	SCT
	Established: 01-AUG-86				
	Plant Size (ft²):				
	Employment:				
	--- Details ---				
	SIC/NAICS Code: 332810				
	Description: Coating, Engraving, Heat Treating and Allied Activities				
	+				
	SIC/NAICS Code: 332810				
	Description: Coating, Engraving, Heat Treating and Allied Activities				
	+				
	SIC/NAICS Code: 339990				
	Description: All Other Miscellaneous Manufacturing				
22	1 of 1	NNW/141.5	60.0	SHELL CANADA PRODUCTS LTD. 476 RIVERDALE TANK TRUCK (CARGO) OTTAWA CITY ON K1S 1S2	SPL
	Ref NO: 1061				
	Contaminant Code:				
	Contaminant Name:				
	Contaminant Quantity:				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Incident Cause:		CONTAINER OVERFLOW			
Incident Dt:		3/8/1988			
Incident Reason:		EQUIPMENT FAILURE			
Incident Summary:		SHELL - 9 L FURNACE OIL TO WALL AND GRD.			
MOE Reported Dt:		3/8/1988			
Environmental Impact:					
Nature of Impact:					
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		20101			
23	1 of 1	NNW/151.4	60.0	ESSO PETROLEUM CANADA 474 RIVERDALE AVE. TANK TRUCK (CARGO) OTTAWA CITY ON K1S 1S2	SPL
Ref NO:		96269			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		ABOVE-GROUND TANK LEAK			
Incident Dt:		2/10/1994			
Incident Reason:		ERROR			
Incident Summary:		ESSO TANK TRUCK - FUEL OIL TO GROUND AND BASEMENT OF HOME			
MOE Reported Dt:		2/12/1994			
Environmental Impact:		CONFIRMED			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		20101			
24	1 of 1	SSE/156.4	60.0	ON	BORE
Borehole ID:		802955		Type: Borehole	
Use:		Geotechnical/Geological Investigation		Status:	
Drill Method:		Rotary (conventional)		UTM Zone: 18	
Easting:		446914.29		Northing: 5026445.11	
Location Accuracy:				Orig. Ground Elev m: 60.6	
Elev. Reliability Note:				DEM Ground Elev m: 59.3	
Total Depth m:		14.4		Primary Name: BH 1	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:		20-MAR-1981		Static Water Level: -999.9	
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:		218574258		Top Depth(m): 0.0	
Bottom Depth(m):		0.1		Stratum Desc: Concrete	
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218574259			Top Depth(m):	0.1
Bottom Depth(m):	2.0			Stratum Desc:	Void AIR
+					
Stratum ID:	218574260			Top Depth(m):	2.0
Bottom Depth(m):	7.3			Stratum Desc:	Light Grey Concrete Faintly Weathered, Moderately Strong, Occasional poorly cemented zone
+					
Stratum ID:	218574261			Top Depth(m):	7.3
Bottom Depth(m):	9.2			Stratum Desc:	Grey Very Dense Till Sand - Gravel With: Cob Trace: Si
+					
Stratum ID:	218574262			Top Depth(m):	9.2
Bottom Depth(m):	14.4			Stratum Desc:	Grey to Black Bedrock Limestone EASTVIEW FORMATION

[25](#) 1 of 8 WNW/154.1 60.0 MR GAS LIMITED ** 1201 BANK ST OTTAWA ON K1S 3X7 EXP

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 6/9/1992
Instance Number: 10899825
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description:

[25](#) 2 of 8 WNW/154.1 60.0 MR GAS LIMITED ** 1201 BANK ST OTTAWA ON EXP

Instance ID: 50408
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 10899831
Instance Type: FS Piping
Status: EXPIRED
Description: FS Piping

[25](#) 3 of 8 WNW/154.1 60.0 MR GAS LIMITED ** 1201 BANK ST OTTAWA ON K1S 3X7 EXP

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 6/9/1992

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Instance Number:		10899810			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
25	4 of 8	WNW/154.1	60.0	MR GAS LIMITED ** 1201 BANK ST OTTAWA ON	EXP
Instance ID:		50576			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
Instance Number:		10899819			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
25	5 of 8	WNW/154.1	60.0	MR GAS LIMITED ** 1201 BANK ST OTTAWA ON K1S 3X7	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		6/9/1992			
Instance Number:		9938913			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					
25	6 of 8	WNW/154.1	60.0	SUPERIOR PROPANE INC 1201 BANK ST OTTAWA ON	EXP
Instance ID:		392269			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
Instance Number:		9647980			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:		Fuels Safety Propane Filling Plant > 5000 USW			
25	7 of 8	WNW/154.1	60.0	MR GAS LIMITED ** 1201 BANK ST OTTAWA ON K1S 3X7	EXP
Instance ID:		50849			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 6/9/1992 Instance Number: 10899810 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Gasoline Station - Full Serve					
25	8 of 8	WNW/154.1	60.0	MR GAS LIMITED ** 1201 BANK ST OTTAWA ON K1S 3X7	EXP
Instance ID: 51911 TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 6/9/1992 Instance Number: 10899825 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Gasoline Station - Full Serve					
26	1 of 3	WNW/156.9	60.6	LA PAUSE VELO LTEE /BIKE STOP, THE 1223-1225 BANK ST. OTTAWA ON K1S 3X7	GEN
Generator #: ON0990701 Approval Yrs: 92,93,97,98 SIC Code: 6542 SIC Description: BICYCLE SHOPS --- Details --- Waste Code: 213 Waste Description: PETROLEUM DISTILLATES					
26	2 of 3	WNW/156.9	60.6	LA PAUSE VELO LTEE THE BIKE STOP 1223-1225 BANK ST. OTTAWA ON K1S 3X7	GEN
Generator #: ON0990701 Approval Yrs: 88,89,90 SIC Code: 6542 SIC Description: BICYCLE SHOPS --- Details --- Waste Code: 213 Waste Description: PETROLEUM DISTILLATES					
26	3 of 3	WNW/156.9	60.6	LA PAUSE VELO LTEE THE BIKE STOP 24-482 1223-1225 BANK ST. OTTAWA ON K1S 3X7	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Generator #:		ON0990701			
Approval Yrs:		94,95,96			
SIC Code:		6542			
SIC Description:		BICYCLE SHOPS			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			

<u>27</u>	1 of 1	N/166.1	58.7	ON	BORE
Borehole ID:		612994		Type: Borehole	
Use:					
Drill Method:					
Easting:		446911		UTM Zone: 18	
Location Accuracy:				Northing: 5026782	
Elev. Reliability Note:				Orig. Ground Elev m: 59.1	
Total Depth m:		-999		DEM Ground Elev m: 59.3	
Township:					
Lot:					
Completion Date:					
Primary Water Use:				Primary Name:	
				Concession:	
				Municipality:	
				Static Water Level: -999.9	
				Sec. Water Use:	
--- Details ---					
Stratum ID:		218393292		Top Depth(m): 0.0	
Bottom Depth(m):		2.4		Stratum Desc: SAND.	
+					
Stratum ID:		218393293		Top Depth(m): 2.4	
Bottom Depth(m):		4.0		Stratum Desc: GRAVEL.	
+					
Stratum ID:		218393294		Top Depth(m): 4.0	
Bottom Depth(m):		7.3		Stratum Desc: SAND. COMPACT.	
+					
Stratum ID:		218393295		Top Depth(m): 7.3	
Bottom Depth(m):		7.9		Stratum Desc: GRAVEL.	
+					
Stratum ID:		218393296		Top Depth(m): 7.9	
Bottom Depth(m):		8.8		Stratum Desc: TILL.	
+					
Stratum ID:		218393297		Top Depth(m): 8.8	
Bottom Depth(m):				Stratum Desc: BEDROCK. SAND. DENSE. SAND. VERY DENSE. SAND. VERY DENSE. SAND. VERY DENSE. BEDROCK	

<u>28</u>	1 of 1	NE/163.5	60.0	ON	BORE
Borehole ID:		803916		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
				Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	447001.84			Northing:	5026740.43
Location Accuracy:				Orig. Ground Elev m:	57.7
Elev. Reliability Note:				DEM Ground Elev m:	57.4
Total Depth m:	7.8			Primary Name:	BH 4
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	09-MAR-1982			Static Water Level:	1.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218578460			Top Depth(m):	5.6
Bottom Depth(m):	6.6			Stratum Desc:	Brown Dense Sand With: Cob
+					
Stratum ID:	218578461			Top Depth(m):	6.6
Bottom Depth(m):	7.8			Stratum Desc:	Grey Dense to Very Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218578457			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
+					
Stratum ID:	218578458			Top Depth(m):	0.1
Bottom Depth(m):	1.3			Stratum Desc:	Brown Fill-Misc Silty Clay With: Sa Trace: Gr Tr Brk Frag Tr Cob
+					
Stratum ID:	218578459			Top Depth(m):	1.3
Bottom Depth(m):	5.6			Stratum Desc:	Brown Compact to Very Dense Sand - Gravel Occasional: Cob Occ Blds

[29](#)

1 of 1

N/172.3

60.0

OTTAWA CITY
WINDSOR AVE./RIVERDALE AVE.
OTTAWA CITY ON

CA

Certificate #: 3-0499-94-
Application Year: 94
Issue Date: 5/18/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

[30](#)

1 of 1

S/180.8

60.0

Ottawa ON

WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Well ID:	7117069			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	446854			Northing Nad83:	5026419
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	03-OCT-08
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):	56.68			Elevation	
Depth to Bedrock:				Reliability:	
Water Type:				Overburden/Bedroc	
				k:	
				Casing Material:	
31	1 of 3	WNW/172.1	60.9	MR GAS LIMITED ATTN LILIANNE LEVAC 1201 BANK ST OTTAWA ON K1S 3X7	PRT
Location ID:	10839				
Type:	retail				
Expiry Date:	1994-05-31				
Capacity (L):	50000				
Licence #:	0076363191				
31	2 of 3	WNW/172.1	60.9	1201 BANK ST. OTTAWA ON	PRT
Location ID:	17692				
Type:	retail				
Expiry Date:					
Capacity (L):					
Licence #:					
31	3 of 3	WNW/172.1	60.9	SUPERIOR PROPANE INC 1201 BANK ST OTTAWA ON K1S3X7	PRT
Location ID:	10839				
Type:	retail				
Expiry Date:	1990-08-31				
Capacity (L):	5000				
Licence #:	0034133001				
32	1 of 1	SSE/180.0	60.0	ON	BORE
Borehole ID:	612968			Type:	Borehole
Use:				Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Drill Method:				UTM Zone:	18
Easting:	446981			Northing:	5026442
Location Accuracy:				Orig. Ground Elev m:	53.8
Elev. Reliability Note:				DEM Ground Elev m:	55.3
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	FEB-1969			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218393183			Top Depth(m):	0.0
Bottom Depth(m):				Stratum Desc:	BEDROCK. GREY. TILL. LOOSE. TILL. COMPACT. BEDROCK. 2 00150 099 00225 085

33 1 of 1 **SSE/185.5** **60.0** **ON** **BORE**

Borehole ID:	802973			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Rotary (conventional)			UTM Zone:	18
Easting:	446920.47			Northing:	5026416.5
Location Accuracy:				Orig. Ground Elev m:	60.6
Elev. Reliability Note:				DEM Ground Elev m:	57.9
Total Depth m:	14.3			Primary Name:	BH 5
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	02-APR-1981			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218574359			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Concrete
+					
Stratum ID:	218574360			Top Depth(m):	0.1
Bottom Depth(m):	2.2			Stratum Desc:	Void AIR
+					
Stratum ID:	218574361			Top Depth(m):	2.2
Bottom Depth(m):	6.7			Stratum Desc:	Grey Concrete Faintly Weathered
+					
Stratum ID:	218574362			Top Depth(m):	6.7
Bottom Depth(m):	6.8			Stratum Desc:	Grey Alluvium Sand
+					
Stratum ID:	218574363			Top Depth(m):	6.8
Bottom Depth(m):	8.5			Stratum Desc:	Grey Very Dense Till Sand - Gravel With: Si Occasional: Cob Occ Blids
+					
Stratum ID:	218574364			Top Depth(m):	8.5

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Bottom Depth(m): 14.3		Stratum Desc: Dark Grey Bedrock Shale Billings Formation			

34	1 of 3	NNE/182.5	60.0	Ottawa Community Housing Corporation 507 Riverdale Ave Ottawa ON K1S 1S4	CA
Certificate #:		0870-7NSTAD			
Application Year:		2009			
Issue Date:		3/6/2009			
Approval Type:		Municipal and Private Sewage Works			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

34	2 of 3	NNE/182.5	60.0	507 RIVERDALE AVENUE, OTTAWA ON K1S 1S4	INC
Incident ID:		2284532			
Incident Number:		133686			
SR Type:		FS-Incident			
Status Code:		Causal Analysis Complete			
Summary:		507 RIVERDALE AVENUE, OTTAWA - 4" PIPELINE HIT			
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.:					
Notes:					
Pipeline Type:		Main Distribution Pipeline			
Pipeline Involved:					
Pipe Material:		Plastic			
Depth Ground Cover:		0.6			
Regulator Location:		Outside			
Regulator Type:		Service Regulator (up to 60 psi intake)			
Operation Pressure:		60			
Pipeline Notes:					
Liquid Prop Make:					
Liquid Prop Model:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac.: Liquid Prop Notes:					
34	3 of 3	NNE/182.5	60.0	Enbridge Gas Distribution Inc. 507 Riverdale Avenue Ottawa ON K1S 1S4	SPL
Ref NO:		7342-7UDKND			
Contaminant Code:					
Contaminant Name:		NATURAL GAS (METHANE)			
Contaminant Quantity:		0 other - see incident description			
Incident Cause:		Discharge or Emission to Air			
Incident Dt:					
Incident Reason:		Spill			
Incident Summary:		TSSA: 4" line strike, natural gas to atm.			
MOE Reported Dt:		7/28/2009			
Environmental Impact:		Not Anticipated			
Nature of Impact:					
Receiving Medium:					
SAC Action Class:		Air Spills - Gases and Vapours			
Sector Source Type:		Pipeline			
Site Municipality:		Ottawa			
35	1 of 1	SSE/194.7	60.0	ON	BORE
Borehole ID:		802958		Type: Borehole	
Use:		Geotechnical/Geological Investigation		Status:	
Drill Method:		Rotary (conventional)		UTM Zone: 18	
Easting:		446949.57		Northing: 5026413.45	
Location Accuracy:				Orig. Ground Elev 60.6	
Elev. Reliability				m:	
Note:				DEM Ground Elev 55.8	
Total Depth m:		13.7		m:	
Township:				Primary Name: BH 2	
Lot:				Concession:	
Completion Date:		23-MAR-1981		Municipality:	
Primary Water Use:				Static Water Level: -999.9	
Sec. Water Use:					
--- Details ---					
Stratum ID:		218574273		Top Depth(m): 0.0	
Bottom Depth(m):		0.1		Stratum Desc: Concrete	
+					
Stratum ID:		218574274		Top Depth(m): 0.1	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
	Bottom Depth(m): 2.0			Stratum Desc: Void AIR	
	+				
	Stratum ID: 218574275			Top Depth(m): 2.0	
	Bottom Depth(m): 6.1			Stratum Desc: Light Grey Concrete	
	+				
	Stratum ID: 218574276			Top Depth(m): 6.1	
	Bottom Depth(m): 6.9			Stratum Desc: Grey Compact Alluvium Sand - Gravel Trace: Si Tr Blds	
	+				
	Stratum ID: 218574277			Top Depth(m): 6.9	
	Bottom Depth(m): 7.4			Stratum Desc: Grey Very Dense Till Sand - Gravel With: Cob Trace: Si	
	+				
	Stratum ID: 218574278			Top Depth(m): 7.4	
	Bottom Depth(m): 9.0			Stratum Desc: Dark Grey Bedrock Shale Billings Formation	
	+				
	Stratum ID: 218574279			Top Depth(m): 9.0	
	Bottom Depth(m): 13.7			Stratum Desc: Grey Bedrock Limestone Eastview Formation	

[36](#) 1 of 1 SSW/196.6 57.1 Bank & Riversdale Dump [ANDR](#)

Ottawa ON K1S 4

Legal Description: Nepean
Location Description: E side of Harvard Ave*, W of Bank St*, opp. Riverdale Ave*, S of Raleigh St*, N of Warrington St*
Municipality: Ottawa City
Current Municipality: Ottawa City
RM: Ottawa-Carleton Region
Facility: Dump
Date Active: 1926
Date Begun:
Date Complete: 1926
Area (Ha):
Landfill Type:
Group Name: Rideau River
Operated By:
Serial: MOEE 1113
NTS: 31G05
Diameter (m):
Waste Type:
UTM X Nad 27: 446750
UTM Y Nad 27: 5026200
UTM Zone: 18

[37](#) 1 of 1 NNE/208.3 58.2 ON [WWIS](#)

Well ID: 1509001 **Lot:**
Concession: **Concession Name:**
County: OTTAWA-CARLETON **Municipality:** OTTAWA CITY
Easting Nad83: 446930.7 **Northing Nad83:** 5026822

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	15-APR-51
Sec. Water Use:				Well Depth:	90 ft
Pump Rate:				Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	58.71			Elevation Reliability:	
Depth to Bedrock:	5			Overburden/Bedrock:	Bedrock
Water Type:	MINERIAL			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	5 ft			Original Depth:	5 ft
Material Colour:	BLACK			Material:	CLAY
+					
Thickness:	85 ft			Original Depth:	90 ft
Material Colour:	BLUE			Material:	SHALE

[38](#) 1 of 1 **SSW/211.2** **57.2** **nr Bank St. & Riversdale Ave.** **WDSH**
OTTAWA ON

Site No.: X1113
Region: SOUTHEAST
County: OTTAWA CARLETON
Concession:
Lot: nr Bank St. & Riversdale Ave.
Easting: 446750
Northing: 5026200
Zone: 18
Date Closed: 1926
Status: CLOSED
Classification: A5 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE - CLOSED 10-20 YRS
%CommercialWste: n/a
%DomesticWste Rec: n/a
%LiquidWste Rec: n/a
%HazardousWste Rec: n/a
%Non-haz.Wste Rec: n/a
%Sewage/Sludge Rec: n/a
%Other Wste Rec: n/a

[39](#) 1 of 1 **SSE/224.0** **60.0** **ON** **BORE**

Borehole ID: 802976 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status:**
Drill Method: Rotary (conventional) **UTM Zone:** 18
Easting: 446956.09 **Northing:** 5026384.84
Location Accuracy: **Orig. Ground Elev m:** 60.6
Elev. Reliability Note: **DEM Ground Elev m:** 58.5

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Total Depth m:	14.4			Primary Name: BH 6	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	03-APR-1981			Static Water Level: -999.9	
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218574381			Top Depth(m): 0.0	
Bottom Depth(m):	0.1			Stratum Desc: Concrete	
+					
Stratum ID:	218574382			Top Depth(m): 0.1	
Bottom Depth(m):	2.4			Stratum Desc: Void AIR	
+					
Stratum ID:	218574383			Top Depth(m): 2.4	
Bottom Depth(m):	6.4			Stratum Desc: Grey Concrete Faintly Weathered, Moderately Strong, Frequent Poorly Cemented Zones	
+					
Stratum ID:	218574384			Top Depth(m): 6.4	
Bottom Depth(m):	8.7			Stratum Desc: Grey Very Dense Till Sand - Gravel With: Cob W Blds Trace: Si	
+					
Stratum ID:	218574385			Top Depth(m): 8.7	
Bottom Depth(m):	14.4			Stratum Desc: Dark Grey Bedrock Shale Billings Formation	

[40](#) 1 of 5 **NNW/225.0** **62.5** **Charlesfort Developments Limited** **CA**
88 Bellwood Avenue
Ottawa ON

Certificate #: 4644-6EVPVB
Application Year: 2005
Issue Date: 8/4/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

[40](#) 2 of 5 **NNW/225.0** **62.5** **Charlesfort Developments Limited** **CA**
88 Bellwood Avenue
Ottawa ON

Certificate #: 8215-6GEP88
Application Year: 2005
Issue Date: 9/28/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
40	3 of 5	NNW/225.0	62.5	OTTAWA ROMAN CATHOLIC SEPARATE SCHOOL BD ST. MARGARET MARY SCHOOL 88 BELLWOOD AVENUE OTTAWA ON K1S 1T1	GEN
Generator #:		ON0426413			
Approval Yrs:		93,94,95,96,97,98,99,00,01			
SIC Code:		8511			
SIC Description:		ELEMT./SECON. EDUC.			
--- Details ---					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
40	4 of 5	NNW/225.0	62.5	Charlesfort Developments Limited 88 BELLWOOD AVE, OTTAWA, ON, K1S 1T1 Ottawa ON K1S 1T1	RSC
Date Submitted:		26-Jul-05			
Date Acknowledg.:					
Date Returned:					
Certification Date:		30-Jun-04			
Soil Type:					
Restoration Type:					
Registration #:		2080			
Stratified (Y/N):					
Criteria:					
Consultant:					
District Office:		OTTAWA			
Intended Prop Use:		Residential			
Current Property Use:		Institutional			
Certificate Prop Use #:		No CPU			
Applicable Standards:		Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use			
Legal Description:		Lots 19, 20, 21, 22, 25, 26, 27, 28 and 29, Plan 133434 City of Ottawa			
Prop. Identification #:		04130-0282 (LT)			
Entire legal prop. (y/n):		Yes			
UTM Coordinates:		NAD83 18-446746-5026816			
Latitude & Longitude:		45.39283500N 75.68034620W (converted from UTM)			
Accuracy Estimate:		11 to 20 meters			
Measurement Method:		Global Positioning System			
CPU Issued Sect 1686:		No			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
40	5 of 5	NNW/225.0	62.5	OTTAWA HYDRO 88 BELLWOOD ST. TRANSFORMER OTTAWA CITY ON K1S 1T1	SPL

Ref NO: 69381
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: COOLING SYSTEM LEAK
Incident Dt: 4/19/1992
Incident Reason: EQUIPMENT FAILURE
Incident Summary: OTTAWA HYDRO -TRANSFORMER OIL LEAK FROM POLE TRANSFORMER.
MOE Reported Dt: 4/19/1992
Environmental Impact: CONFIRMED
Nature of Impact: Soil Contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

41	1 of 1	SSE/229.6	60.0	ON	BORE
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Borehole ID: 612960 **Type:** Borehole
Use: **Status:**
Drill Method: **UTM Zone:** 18
Easting: 447011 **Northing:** 5026402
Location Accuracy: **Orig. Ground Elev m:** 55.3
Elev. Reliability Note: **DEM Ground Elev m:** 58.2
Total Depth m: -999 **Primary Name:**
Township: **Concession:**
Lot: **Municipality:**
Completion Date: FEB-1969 **Static Water Level:** -999.9
Primary Water Use: **Sec. Water Use:**

--- Details ---

Stratum ID: 218393149 **Top Depth(m):** 0.0
Bottom Depth(m): 0.3 **Stratum Desc:** HUMUS.
+
Stratum ID: 218393150 **Top Depth(m):** 0.3
Bottom Depth(m): 3.5 **Stratum Desc:** SAND. GREY,COMPACT.
+
Stratum ID: 218393151 **Top Depth(m):** 3.5
Bottom Depth(m): **Stratum Desc:** BEDROCK. GREY. ,FISSURED.
 BOULDERS. GRADED.
 UNSPECIFIED.
 0005500800160015006000100080

42	1 of 1	SSW/236.5	58.0	Riverside Drive Ottawa ON	EHS
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Order No.: 20060908013

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Report Date:		9/19/2006			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					

43	1 of 1	SSE/236.2	60.0	ON	BORE
Borehole ID:	802970			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Rotary (conventional)			UTM Zone:	18
Easting:	446984.41			Northing:	5026381.81
Location Accuracy:				Orig. Ground Elev m:	60.6
Elev. Reliability Note:				DEM Ground Elev m:	59.5
Total Depth m:	13.2			Primary Name:	BH 4
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	26-MAR-1981			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218574342			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Concrete
+					
Stratum ID:	218574343			Top Depth(m):	0.1
Bottom Depth(m):	2.0			Stratum Desc:	Void AIR
+					
Stratum ID:	218574344			Top Depth(m):	2.0
Bottom Depth(m):	6.6			Stratum Desc:	Grey Concrete Faintly Weathered to Fresh
+					
Stratum ID:	218574345			Top Depth(m):	6.6
Bottom Depth(m):	9.1			Stratum Desc:	Grey Very Dense Till Sand - Gravel With: Cob Trace: Cl Tr Si
+					
Stratum ID:	218574346			Top Depth(m):	9.1
Bottom Depth(m):	13.2			Stratum Desc:	Dark Grey Bedrock Shale Billings Formation

44	1 of 3	SSE/246.6	60.0	City of Ottawa Bank St. & Riverside Ottawa ON	SPL
Ref NO:	2218-8ZDQQ7				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	Unknown / N/A				
Incident Dt:	24-OCT-12				
Incident Reason:	Unknown / N/A				
Incident Summary:	City of Ottawa, 20-50ft service cover, oily substance				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		24-OCT-12 Not Anticipated Surface Water Pollution Watercourse Spills Unknown Ottawa			
44	2 of 3	SSE/246.6	60.0	PRIVATE OWNER AT THE CORNER OF BANK ST. & RIVERSIDE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		115931 OTHER TRANSPORTATION ACCIDENT 7/18/1995 ERROR MVA-4 L OF MOTOR OIL TO ROAD & CATCH BASIN FROM AUTO IN ACCIDENT. 7/18/1995 POSSIBLE Water course or lake LAND / WATER 20101			
44	3 of 3	SSE/246.6	60.0	UNKNOWN SAWMILL CREEK RIVERSIDE DR. EAST OF BANK ST. OTTAWA CITY ON	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		50225 WASTEWATER DISCHARGE TO WATERCOURSE 5/8/1991 UNKNOWN DIESEL OIL IN SAWMILL CREEK. SOURCE UNKNOWN. 5/8/1991 POSSIBLE Water course or lake WATER 20101			
45	1 of 1	NNE/258.3	59.0	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Borehole ID:	613005			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone: 18	
Easting:	446976			Northing: 5026862	
Location Accuracy:				Orig. Ground Elev m: 30.6	
Elev. Reliability Note:				DEM Ground Elev m: 58.5	
Total Depth m:	4			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	APR-1972			Static Water Level: -999.9	
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218393328			Top Depth(m): 0.0	
Bottom Depth(m):	1.8			Stratum Desc: ARTIFICIAL. DARK,BROWN,LOOSE.	
+					
Stratum ID:	218393329			Top Depth(m): 1.8	
Bottom Depth(m):	2.0			Stratum Desc: UNSPECIFIED.	
+					
Stratum ID:	218393330			Top Depth(m): 2.0	
Bottom Depth(m):	4.0			Stratum Desc: SAND. BROWN,DENSE. 00000060005803900065033 00010 021 00050 043 00083 012 000100	

46	1 of 1	NW/256.8	63.1	PRIVATE RESIDENCE 17 SCOTIA PLACE FURNACE OIL TANK OTTAWA CITY ON K1S 0W2	SPL
Ref NO:	118628				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	CONTAINER OVERFLOW				
Incident Dt:	9/18/1995				
Incident Reason:	ERROR				
Incident Summary:	PRIVATE RESIDENCE- FUEL OIL TANK OVER FLOW 14L TOSOIL-INS CO. ARRG.CLEANUP				
MOE Reported Dt:	9/18/1995				
Environmental Impact:	POSSIBLE				
Nature of Impact:	Soil contamination				
Receiving Medium:	LAND				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	20101				

47	1 of 1	SSE/264.4	60.0	OTTAWA ON	WWIS
Well ID:	7044378			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Easting Nad83:	446956			Northing Nad83:	5026343
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	26-APR-07
Sec. Water Use:				Well Depth:	7.6 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	58.74			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	.3 m			Original Depth:	.3 m
Material Colour:	BROWN			Material:	GRAVEL, SAND
+					
Thickness:	5.5 m			Original Depth:	5.8 m
Material Colour:	GREY			Material:	SAND, FILL
+					
Thickness:	1.8 m			Original Depth:	7.6 m
Material Colour:	GREY			Material:	CLAY, SILTY

[48](#) 1 of 10 SSE/263.6 60.0 1335 Bank St Ottawa ON K1H7X8 EHS

Order No.: 20131213060
Report Date: 24-DEC-13
Report Type: Standard Report
Search Radius (km): .25
Addit. Info Ordered: Fire Insur. Maps and/or Site Plans

[48](#) 2 of 10 SSE/263.6 60.0 UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON EXP

Instance ID: 347099
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 63163815
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description: FS Liquid Fuel Tank

[48](#) 3 of 10 SSE/263.6 60.0 UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST EXP

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
OTTAWA ON					
Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description:		347719 63163814 FS Liquid Fuel Tank EXPIRED FS Liquid Fuel Tank			
48	4 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	EXP
Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description:		5/14/2009 10899962 FS Liquid Fuel Tank EXPIRED FS Liquid Fuel Tank			
48	5 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON	EXP
Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description:		51235 10899968 FS Piping EXPIRED FS Piping			
48	6 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	EXP
Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number:		347099 FS Liquid Fuel Tank 5/14/2009 63163815			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<u>48</u>	7 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	EXP
Instance ID:		347719			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		5/14/2009			
Instance Number:		63163814			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<u>48</u>	8 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	EXP
Instance ID:		51176			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		5/14/2009			
Instance Number:		10899962			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<u>48</u>	9 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	FST
Instance Number:		10899922			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22700			
Tank Material:		Steel			
Corrosion Protection:		Sacrificial anode			
Tank Type:		Single Wall UST			
Install Year:		1993			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Type:		FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
48	10 of 10	SSE/263.6	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	FST
Instance Number:		10899940			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		45400			
Tank Material:		Steel			
Corrosion Protection:		Sacrificial anode			
Tank Type:		Single Wall UST			
Install Year:		1993			
Parent Facility Type:		FS Gasoline Station - Full Serve			
Facility Type:		FS Liquid Fuel Tank			

49	1 of 1	NNE/265.3	59.0	Windsor Park OTTAWA ON	WDSH
Site No.:		X1115			
Region:		SOUTHEAST			
County:		OTTAWA CARLETON			
Concession:					
Lot:		Windsor Park			
Easting:		446980			
Northing:		5026650			
Zone:		18			
Date Closed:					
Status:		CLOSED			
Classification:		A5 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE - CLOSED 10-20 YRS			
%CommercialWste:		n/a			
%DomesticWste Rec:		n/a			
%LiquidWste Rec:		n/a			
%HazardousWste Rec:		n/a			
%Non-haz.Wste Rec:		n/a			
%Sewage/Sludge Rec:		n/a			
%Other Wste Rec:		n/a			

50	1 of 1	SW/261.6	59.0	CASSONE CONSTRUCTION LTD. WENDOVER AVE/WARRINGTON DR. OTTAWA CITY ON	CA
Certificate #:		7-0986-96-			
Application Year:		96			
Issue Date:		10/16/1996			
Approval Type:		Municipal water			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Project Description:					
Contaminants:					
Emission Control:					
51	1 of 6	SSE/265.3	60.0	UGARRIT INC O/A RIVERSIDE MART & SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	FSTH
License Issue Date:		8/30/2007 11:58:00 AM			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
--- Details ---					
Status:		Active			
Capacity:		22700			
Year of Installation:		1993			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity:		45400			
Year of Installation:		1993			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
51	2 of 6	SSE/265.3	60.0	GARY CUTTS & JOSEPH COONEY 1335 BANK ST OTTAWA ON K1H 7X8	PRT
Location ID:		10842			
Type:		retail			
Expiry Date:		1995-07-31			
Capacity (L):		68190			
Licence #:		0048080001			
51	3 of 6	SSE/265.3	60.0	RIVERSIDE MART 1335 BANK ST OTTAWA ON K1H 7X8	RST
Facility:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
Description:					
51	4 of 6	SSE/265.3	60.0	RIVERSIDE SERVICE STATION 1335 BANK ST OTTAWA ON K1H 7X8	RST
Facility:		Service Stations-Gasoline, Oil & Natural Gas			
Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
51	5 of 6	SSE/265.3	60.0	CUTTS MOTORS LTD 1335 BANK ST OTTAWA ON K1H7X8	RST
Facility:		Service Stations-Gasoline, Oil & Natural Gas			
Description:					
51	6 of 6	SSE/265.3	60.0	CUTTS MOTORS LTD. 1335 BANK ST. SERVICE STATION OTTAWA CITY ON K1H 7X8	SPL
Ref NO:		85054			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		UNDERGROUND TANK LEAK			
Incident Dt:		5/4/1993			
Incident Reason:		MATERIAL FAILURE			
Incident Summary:		CUTTS MOTORS LTD.-GAS CONTAMINATED SUBSOIL DIS-COVERED AT TANK REMOVAL.			
MOE Reported Dt:		5/4/1993			
Environmental Impact:		CONFIRMED			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		20101			
52	1 of 1	SE/264.5	60.0	RIVERSIDE TOWER OTTAWA INC 2197 RIVERSIDE DR OTTAWA ON K1H 1A9	GEN
Generator #:		ON8772957			
Approval Yrs:		04			
SIC Code:		531310			
SIC Description:		Real Estate Property Managers			
53	1 of 1	SE/267.7	60.0	RiverBank Dental #108,2197 Riverside Dr Ottawa ON	GEN
Generator #:		ON3546045			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
54	1 of 1	ENE/270.6	60.0	ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Well ID:	7167202			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	447157			Northing Nad83:	5026684
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	08-JUN-11
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock k:	
Water Type:				Casing Material:	

<u>55</u>	1 of 1	NE/274.9	58.0	ON	BORE
Borehole ID:	803919			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	447044.95			Northing:	5026847.11
Location Accuracy:				Orig. Ground Elev m:	58.2
Elev. Reliability Note:				DEM Ground Elev m:	59.7
Total Depth m:	10.5			Primary Name:	BH 5
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	08-MAR-1982			Static Water Level:	2.2
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218578470			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	Brown Fill-Misc Silt - Sand With: Gr Trace: Brk Frag Tr Constr Debris
+					
Stratum ID:	218578471			Top Depth(m):	1.5
Bottom Depth(m):	2.0			Stratum Desc:	Brown Loose Sand Trace: Si
+					
Stratum ID:	218578472			Top Depth(m):	2.0
Bottom Depth(m):	3.1			Stratum Desc:	Grey-Brown Stiff Alluvium Silty Clay With: Sa
+					
Stratum ID:	218578473			Top Depth(m):	3.1
Bottom Depth(m):	3.7			Stratum Desc:	Brown Dense Silt - Sand With: Gr
+					
Stratum ID:	218578474			Top Depth(m):	3.7
Bottom Depth(m):	9.4			Stratum Desc:	Brown Compact to Dense Sand Trace: Gr
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID: 218578475				Top Depth(m): 9.4	
Bottom Depth(m): 10.5				Stratum Desc: Grey Dense Till Silt - Sand With: Gr Trace: Cl Occasional: Cob	
56	1 of 8	SSE/279.5	60.0	1330 Bank Street Ottawa ON K1H 7X9	EHS
Order No.: 20000215006					
Report Date: 2/18/00					
Report Type: Basic Report					
Search Radius (km): 0.25					
Addit. Info Ordered:					
56	2 of 8	SSE/279.5	60.0	Imperial Oil 1330 Bank Street Ottawa ON K1H 7X9	GEN
Generator #: ON9640508					
Approval Yrs: As of April 2014					
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code: 221					
Waste Description: Light fuels					
+					
Waste Code: 251					
Waste Description: Waste oils/sludges (petroleum based)					
+					
Waste Code: 252					
Waste Description: Waste crankcase oils and lubricants					
56	3 of 8	SSE/279.5	60.0	Imperial Oil 1330 Bank Street Ottawa ON K1H 7X9	GEN
Generator #: ON9640508					
Approval Yrs: 2012					
SIC Code: 447190					
SIC Description: Other Gasoline Stations					
--- Details ---					
Waste Code: 251					
Waste Description: OIL SKIMMINGS & SLUDGES					
+					
Waste Code: 252					
Waste Description: WASTE OILS & LUBRICANTS					
+					
Waste Code: 221					
Waste Description: LIGHT FUELS					
56	4 of 8	SSE/279.5	60.0	Imperial Oil 1330 Bank Street Ottawa ON K1H 7X9	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Generator #:		ON9640508			
Approval Yrs:		2011			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
56	5 of 8	SSE/279.5	60.0	Imperial Oil 1330 Bank Street Ottawa ON K1H 7X9	GEN
Generator #:		ON9640508			
Approval Yrs:		2009			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
56	6 of 8	SSE/279.5	60.0	Imperial Oil 1330 Bank Street Ottawa ON K1H 7X9	GEN
Generator #:		ON9640508			
Approval Yrs:		2010			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
56	7 of 8	SSE/279.5	60.0	Imperial Oil 1330 Bank Street Ottawa ON K1H 7X9	GEN
Generator #:		ON9640508			
Approval Yrs:		07,08			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
56	8 of 8	SSE/279.5	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	PRT
Location ID:		10841			
Type:		retail			
Expiry Date:		1995-04-30			
Capacity (L):		113500			
Licence #:		0017211001			
57	1 of 1	NNE/277.8	59.0	Windsor Pk Dump Ottawa ON K1S 0W	ANDR
Legal Description:		Gloucester			
Location Description:		in Windsor Park*, at end of Windsor Ave*			
Municipality:		Ottawa City			
Current Municipality:		Ottawa City			
RM:		Ottawa-Carleton Region			
Facility:		Dump			
Date Active:		pre 1970			
Date Begun:					
Date Complete:					
Area (Ha):					
Landfill Type:					
Group Name:		Rideau River			
Operated By:					
Serial:		MOEE 1115			
NTS:		31G05			
Diameter (m):					
Waste Type:					
UTM X Nad 27:		446980			
UTM Y Nad 27:		5026650			
UTM Zone:		18			
58	1 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/17/1999			
Instance Number:		9508020			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
58	2 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 4/17/1999
Instance Number: 10899895
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description:

58	3 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON	EXP
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Instance ID: 51225
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 10899886
Instance Type: FS Piping
Status: EXPIRED
Description: FS Piping

58	4 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON	EXP
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Instance ID: 50579
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 10899901
Instance Type: FS Piping
Status: EXPIRED
Description: FS Piping

58	5 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON	EXP
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Instance ID: 50412
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 10899918
Instance Type: FS Piping
Status: EXPIRED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Description:		FS Piping			
58	6 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/17/1999			
Instance Number:		10899910			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
58	7 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/17/1999			
Instance Number:		10899877			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
58	8 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP
Instance ID:		51962			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		4/17/1999			
Instance Number:		10899910			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
58	9 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP
Instance ID:		50874			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Expired Date:		4/17/1999			
Instance Number:		10899895			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
58	10 of 11	SSE/280.1	60.0	WILLIAM KENNEDY AUTOMOTIVE LTD 1330 BANK ST OTTAWA ON K1H 7X9	EXP
Instance ID:		51151			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		4/17/1999			
Instance Number:		10899877			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
58	11 of 11	SSE/280.1	60.0	Imperial Oil 1330 Bank Street Ottawa ON	GEN
Generator #:		ON9640508			
Approval Yrs:		2013			
SIC Code:		447190			
SIC Description:					
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
59	1 of 1	SSE/280.3	60.0	Ottawa ON	WWIS
Well ID:		7146914		Lot:	
Concession:				Concession Name:	
County:		OTTAWA-CARLETON		Municipality: OTTAWA CITY	
Easting Nad83:		447074		Northing Nad83: 5026360	
Zone:		18		Utm Reliability: margin of error : 30 m - 100 m	
Primary Water Use:		Monitoring and Test Hole		Construction Date: 25-MAY-10	
Sec. Water Use:				Well Depth: 5.49 m	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status: Test Hole	
Construction Method:		Direct Push		Flowing (y/n):	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Elevation (m):	60.31			Elevation	
Depth to Bedrock:				Reliability:	
Water Type:				Overburden/Bedrock:	
--- Details ---				Casing Material:	Not stated
Thickness:	.31 m			Original Depth:	.31 m
Material Colour:	BROWN			Material:	FILL, GRAVEL, SOFT
+					
Thickness:	2.74 m			Original Depth:	3.05 m
Material Colour:	BROWN			Material:	SAND, GRAVEL, SOFT
+					
Thickness:	2.44 m			Original Depth:	5.49 m
Material Colour:	GREY			Material:	SAND, SILT, SOFT

60	1 of 1	NNE/287.0	59.0	ON	BORE
Borehole ID:	613007			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	18
Easting:	447026			Northing:	5026872
Location Accuracy:				Orig. Ground Elev m:	30.5
Elev. Reliability Note:				DEM Ground Elev m:	59.5
Total Depth m:	3			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	APR-1972			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218393339			Top Depth(m):	0.0
Bottom Depth(m):	1.8			Stratum Desc:	ARTIFICIAL. DARK,BROWN,LOOSE.
+					
Stratum ID:	218393340			Top Depth(m):	1.8
Bottom Depth(m):	2.0			Stratum Desc:	UNSPECIFIED.
+					
Stratum ID:	218393341			Top Depth(m):	2.0
Bottom Depth(m):	3.0			Stratum Desc:	SAND. BROWN,COMPACT. 00000060005903900065033BEDR OCK.00000 010 00025 005 00050 011

61	1 of 1	SSE/288.8	60.0	Ottawa ON	WWIS
Well ID:	7172101			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	447009			Northing Nad83:	5026335

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring and Test Hole			Construction Date:	28-OCT-11
Sec. Water Use:				Well Depth:	5.6 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Direct Push			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	.31 m			Original Depth:	.31 m
Material Colour:	BLACK			Material:	
+					
Thickness:	.6 m			Original Depth:	.91 m
Material Colour:	GREY			Material:	GRAVEL, SAND
+					
Thickness:	3.36 m			Original Depth:	4.27 m
Material Colour:	GREY			Material:	CLAY, SILT
+					
Thickness:	1.33 m			Original Depth:	5.6 m
Material Colour:	GREY			Material:	CLAY, SAND
62	1 of 5	SSE/295.8	60.0	2211 Riverside Drive Ottawa ON K1H 7X5	EHS
Order No.:	20110729036				
Report Date:	8/8/2011				
Report Type:	Custom Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					
62	2 of 5	SSE/295.8	60.0	MEDICAL SCIENCES LABORATORIES 26-159 2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	GEN
Generator #:	ON0245802				
Approval Yrs:	92,93,94,95,96,97				
SIC Code:	8681				
SIC Description:	MEDICAL LABORATORIES				
--- Details ---					
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
62	3 of 5	SSE/295.8	60.0	MEDICAL SCIENCES LABORATORIES 2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Generator #:		ON0245802			
Approval Yrs:		86,87,88,89			
SIC Code:		8681			
SIC Description:		MEDICAL LABORATORIES			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
62	4 of 5	SSE/295.8	60.0	Richard Nahas Medicine Professional Corp 200-2211 Riverside Drive Ottawa ON K1H 7X5	GEN
Generator #:		ON4325132			
Approval Yrs:		2010			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
62	5 of 5	SSE/295.8	60.0	MEDICAL SCIENCES LABORATORIES 2211 RIVERSIDE DRIVE OTTAWA ON K1H 7X5	GEN
Generator #:		ON0245802			
Approval Yrs:		90,98,99,00,01			
SIC Code:		8681			
SIC Description:		MEDICAL LABORATORIES			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
63	1 of 1	NNE/299.7	59.0	ON	BORE
Borehole ID:		801779		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status:	
Drill Method:		Power auger		UTM Zone:	18
Easting:		446992.57		Northing:	5026900.08
Location Accuracy:				Orig. Ground Elev m:	30.6
Elev. Reliability Note:				DEM Ground Elev m:	58.7
Total Depth m:		4		Primary Name:	BH 3
Township:				Concession:	
Lot:				Municipality:	
Completion Date:		04-APR-1972		Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:		218569532		Top Depth(m):	0.0
Bottom Depth(m):		1.8		Stratum Desc:	Dark Brown Loose Fill-Misc Silt -

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
					Sand With: Gr
+					
Stratum ID:	218569533			Top Depth(m):	1.8
Bottom Depth(m):	2.0			Stratum Desc:	Topsoil
+					
Stratum ID:	218569534			Top Depth(m):	2.0
Bottom Depth(m):	4.0			Stratum Desc:	Brown Dense Sand - Gravel Trace: Si

64	1 of 2	NW/299.3	64.0	PRIVATE RESIDENCE 41 WILLARD STREET FURNACE OIL TANK OTTAWA CITY ON K1S 1T6	SPL
Ref NO:	166084				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	PIPE/HOSE LEAK				
Incident Dt:	3/29/1999				
Incident Reason:	EQUIPMENT FAILURE				
Incident Summary:	PRIVATE RESIDENCE-50 L FURNACE OIL UDER BASEMENTFLOOR.				
MOE Reported Dt:	4/1/1999				
Environmental Impact:	POSSIBLE				
Nature of Impact:	Soil contamination				
Receiving Medium:	LAND				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	20101				

64	2 of 2	NW/299.3	64.0	PRIVATE RESIDENCE 41 WILLARD ST FURNACE OIL TANK OTTAWA CITY ON K1S 1T6	SPL
Ref NO:	123604				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	CONTAINER OVERFLOW				
Incident Dt:	2/13/1996				
Incident Reason:	ERROR				
Incident Summary:	PRIVATE FUEL OIL TANK-2 LFURNACE OIL SPRAYED TO CONCRETE,PVMT.CLEANED.				
MOE Reported Dt:	2/13/1996				
Environmental Impact:	NOT ANTICIPATED				
Nature of Impact:					
Receiving Medium:	LAND				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	20101				

Unplottable Summary

Total: 97 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON	
CA	CAMPEAU CORP.	RIVERSIDE DR.	OTTAWA ON	
CA	CAMPEAU CORP.	RIVERSIDE DR.	OTTAWA ON	
CA	R.M. OF OTTAWA- CARL.S.E.TRANSITWAY ST. 1	E. SIDE OF RIVERSIDE DR.	OTTAWA CITY ON	
CA	OTTAWA CITY	HARVARD AVE. SANITARY P.S.	OTTAWA CITY ON	
CA	OTTAWA CITY	HARVARD AVE. SAN. PUMP STATION	OTTAWA CITY ON	
CA	OTTAWA CITY	HARVARD AVE. SAN. PUMP STATION	OTTAWA CITY ON	
CA		Grove Avenue	Ottawa ON	
CA		Grove Avenue	Ottawa ON	
CA	OTTAWA CITY	BANK ST./RIVERSIDE DR./OHIO ST	OTTAWA CITY ON	
CA	SOUTH KEYS SHOPPING CENTRES	PT.LOTS 3-5/CONC.3, BANK ST.	OTTAWA CITY ON	
CA	OSSORY CANADA INC.	PRIVATE BLDG. BANK ST.	OTTAWA CITY ON	
CA	MACDONALD DEVELOPMENT CORP.- PLAZA	EASEMENT-BANK STREET	OTTAWA CITY ON	
CA	THE DOUGLAS MACDONALD DEV. CORP.	COMMERCIAL PLAZA BANK STREET	OTTAWA CITY ON	
CA	City of Ottawa	Bank Street - Regent Street to Glebe Avenue	Ottawa ON	
CA	City of Ottawa	Bank Street - Isabella Street to Wilton Crescent	Ottawa ON	

CA	City of Ottawa	Bank St from Laurier Avenue to Somerest Street	Ottawa ON
CA	City of Ottawa	Bank St Bank Street from Somerset Street to Catherine Street	Ottawa ON
CA	MACDONALD DEVELOPMENT CORP.	BANK ST.	OTTAWA CITY ON
CA	Quantum Remediation Inc.	Mobile Unit	Ottawa ON
CA	Quantum Remediation Inc.	Mobile System	Ottawa ON
CA	Quantum Remediation Inc.	Mobile System	Ottawa ON
CA	Quantum Remediation (Ontario) Inc.	Mobile System	Ottawa ON
CA	Quantum Remediation Inc.	Mobile Facility	Ottawa ON
CA	Quantum Remediation (Ontario) Inc.	Mobile Facility	Ottawa ON
CA	Quantum Remediation (Ontario) Inc.	Mobile Facility	Ottawa ON
CA	Quantum Remediation (Ontario) Inc.	Mobile Facility	Ottawa ON
CA	Quantum Remediation (Ontario) Inc.	Mobile Facility	Ottawa ON
CA	CLARIDGE HOMES (RIVERSIDE) INC.	ST.#1/RIVERSIDE DR/CUL-DE-SAC	OTTAWA CITY ON
CA	CLARIDGE HOMES (RIVERSIDE) INC.	ST.#1/RIVERSIDE DR/CUL-DE-SAC	OTTAWA CITY ON
CA	PEREZ CORPORATION	STREET NO. 1 RIVERSIDE DR.	OTTAWA CITY ON
CA	J. PEREZ CORPORATION STM MGN. 3-0842-87	STREET #1 RIVERSIDE DR.	OTTAWA CITY ON
CA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON
CA	Petro-Canada		Ottawa ON
CA	Quantum Remediation Inc.	Mobile Unit	Ottawa ON
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON
CONV	SHELL CANADA PRODUCTS LIMITED		DON MILLS ON

CONV	HAWKESBURY ASPHALT LTD.		ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
CONV	SUPERIOR PROPANE INCORPORATED		UNIONVILLE ON	
CONV	Taggart Construction Limited	Bank Street	South Ottawa ON	
EBR	Quantum Remediation (Ontario) Inc.		Ottawa ON	
EBR	Quantum Remediation (Ontario) Inc.		Ottawa ON	
EBR	Quantum Remediation (Ontario) Inc.		Ottawa ON	
EBR	Quantum Remediation (Ontario) Inc		Ottawa ON	
EBR	Quantum Remediation Inc.		Ottawa ON	
EBR	Quantum Remediation (Ontario) Inc.		Ottawa ON	
EBR	Quantum Remediation Inc.		Ottawa ON	
EBR	Quantum Remediation Inc.		Ottawa ON	
ECA	Findlay Creek Properties Ltd. and 1374537 Ontario Limited	Lot 18 and 19, Concession 4 (Rideau Front)	Ottawa ON	
EHS		Bank St	Ottawa ON	
GEN	GVT. OF CAN. - PUBLIC WORKS CANADA	REPROGRAPHIC SERVICES TUPPER BLDG. RIVERSIDE DRIVE	OTTAWA ON	K1A 0M2
GEN	GVT. OF CAN. - PUBLIC WORKS CANADA18-229	SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS, RIVERSIDE DRIVE	OTTAWA ON	
GEN	DAVID S LAFLAMME CONSTRUCTION	Billings Bridge - Bank @ Riverdale	Ottawa ON	
GEN	IMPERIAL OIL LTD	ESSO PETROLEUM CANADA OTTAWA INTERNATIONAL AIRPORT	OTTAWA ON	M5W 1K3
GEN	Hydro Ottawa Ltd.	Bank St	Ottawa ON	
GEN	OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	HURDMAN'S BRIDGE, PUMPING STATION RIVERSIDE DRIVE	OTTAWA ON	

GEN	SPIC & SPAN-VALETOR-CASH CLEANERS	BILLINGS BRIDGE PLAZA, BANK STREET C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
GEN	PUBLIC WORKS CANADA	SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS- RIVERSIDE DRIVE	OTTAWA ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
NEES	IMPERIAL OIL		OTTAWA CITY ON	
NEES	PETRO-CANADA		OTTAWA CITY ON	
SPL	Shell Canada Products Limited	Shell Canada	Ottawa ON	
SPL	GRW PETROLEUM LIMITED	SUNY'S GAS BAR TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ULTRAMAR	RIVERSIDE DRIVE AT TRANSIT WAY (NEAR POST OFFICE) TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	City of Ottawa	at Bank St. and Riverside St.	Ottawa ON	
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON	
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON	
SPL	SHELL CANADA PRODUCTS LTD.	SERVICE STATION	OTTAWA CITY ON	
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON	

SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	UNKNOWN	OTTAWA RIVER FROM WINDSOR SEWAGE P.S. WINDSOR ST.	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	TRANSPORT TRUCK	BANK ST. BRIDGE MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	OC TRANSP	BANK ST. SOUTH MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	BANK STREET SERVICE STATION	OTTAWA CITY ON
SPL	PIONEER PETROLEUMS LTD.	BANK STREET SOUTH PIONEER GAS STATION. SERVICE STATION	OTTAWA CITY ON
SPL	City of Ottawa	Bank St in front of Bethshalam Cemetary	Ottawa ON
SPL	Ottawa D-Squared Construction Limited	Bank St, South of Leirim Rd	Ottawa ON
SPL	Bell Canada	on Bank St, 10 ft N of Catherine St BELL MANHOLE<UNOFFICIAL>	Ottawa ON
SPL	City of Ottawa <UNOFFICIAL>	on east side of Bank St. 750 metres north of Findlay Creek Dr.	Ottawa ON
WDS	Quantum Remediation (Ontario) Inc.	Mobile Facility	Ottawa ON
WDS	Quantum Remediation (Ontario) Inc.	Mobile Facility	Ottawa ON

Unplottable Report

Site: City of Ottawa
Riverside Dr Lot 6, Concession 2 RF Ottawa ON

Database:
CA

Certificate #: 1781-7JHSN7
Application Year: 2008
Issue Date: 9/16/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CAMPEAU CORP.
RIVERSIDE DR. OTTAWA ON

Database:
CA

Certificate #: 3-0118-85-006
Application Year: 85
Issue Date: 3/1/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CAMPEAU CORP.
RIVERSIDE DR. OTTAWA ON

Database:
CA

Certificate #: 7-0165-85-006
Application Year: 85
Issue Date: 3/29/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARL.S.E.TRANSITWAY ST. 1
E. SIDE OF RIVERSIDE DR. OTTAWA CITY ON

Database:
CA

Certificate #: 7-0818-89-
Application Year: 89
Issue Date: 5/29/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: OTTAWA CITY
HARVARD AVE. SANITARY P.S. OTTAWA CITY ON

Database:
CA

Certificate #: 3-1579-95-966
Application Year: 95
Issue Date: 2/20/96
Approval Type: Municipal sewage
Status: Received in 1995, Issued in 1996
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: OTTAWA CITY
HARVARD AVE. SAN. PUMP STATION OTTAWA CITY ON

Database:
CA

Certificate #: 3-1579-95-000
Application Year: 95
Issue Date: 11/28/95
Approval Type: Municipal sewage
Status: Application Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: OTTAWA CITY
HARVARD AVE. SAN. PUMP STATION OTTAWA CITY ON

Database:
CA

Certificate #: 3-1275-95-
Application Year: 95
Issue Date: 9/20/1995
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Grove Avenue Ottawa ON

Database:
CA

Certificate #: 2546-56TKHC
Application Year: 02
Issue Date: 2/4/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 111 Sussex Drive, 7th Floor
Client City: Ottawa
Client Postal Code: K1N 5A1
Project Description: Watermain construction on Grove Avenue
Contaminants:
Emission Control:

Site: Grove Avenue Ottawa ON

Database:
CA

Certificate #: 0334-56TLJQ
Application Year: 02
Issue Date: 2/4/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 111 Sussex Drive, 7th Floor
Client City: Ottawa
Client Postal Code: K1N 5A1
Project Description: Sanitary sewer construction on Grove Avenue
Contaminants:
Emission Control:

Site: OTTAWA CITY
BANK ST./RIVERSIDE DR./OHIO ST OTTAWA CITY ON

Database:
CA

Certificate #: 3-0211-94-
Application Year: 94
Issue Date: 3/15/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **SOUTH KEYS SHOPPING CENTRES**
PT.LOTS 3-5/CONC.3, BANK ST. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0856-95-
Application Year: 95
Issue Date: 8/8/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **OSSORY CANADA INC.**
PRIVATE BLDG. BANK ST. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0515-87-
Application Year: 87
Issue Date: 4/23/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **MACDONALD DEVELOPMENT CORP.-PLAZA**
EASEMENT-BANK STREET OTTAWA CITY ON

Database:
CA

Certificate #: 3-1864-86-
Application Year: 86
Issue Date: 12/19/1986
Approval Type: Municipal sewage

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

Site: THE DOUGLAS MACDONALD DEV. CORP.
COMMERCIAL PLAZA BANK STREET OTTAWA CITY ON

Database:
CA

Certificate #: 7-1304-86-
Application Year: 86
Issue Date: 10/28/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Bank Street - Regent Street to Glebe Avenue Ottawa ON

Database:
CA

Certificate #: 4000-8EDQTH
Application Year: 2011
Issue Date: 3/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Bank Street - Isabella Street to Wilton Crescent Ottawa ON

Database:
CA

Certificate #: 2096-8G2SZN
Application Year: 2011
Issue Date: 5/3/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:

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

Site: *City of Ottawa*
Bank St from Laurier Avenue to Somerest Street Ottawa ON

Database:
CA

Certificate #: 4804-7DGNT6
Application Year: 2008
Issue Date: 4/8/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa*
Bank St Bank Street from Somerset Street to Catherine Street Ottawa ON

Database:
CA

Certificate #: 7054-7L4LKY
Application Year: 2008
Issue Date: 11/28/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *MACDONALD DEVELOPMENT CORP.*
BANK ST. OTTAWA CITY ON

Database:
CA

Certificate #: 3-1072-88-
Application Year: 88
Issue Date: 9/28/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: Quantum Remediation Inc.
Mobile Unit Ottawa ON

Database:
CA

Certificate #: 8305-6EBJRY
Application Year: 2005
Issue Date: 9/12/2005
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Quantum Remediation Inc.
Mobile System Ottawa ON

Database:
CA

Certificate #: 8125-6UUKPC
Application Year: 2006
Issue Date: 12/5/2006
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Quantum Remediation Inc.
Mobile System Ottawa ON

Database:
CA

Certificate #: 3583-7M7RX8
Application Year: 2009
Issue Date: 1/28/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Quantum Remediation (Ontario) Inc.
Mobile System Ottawa ON

Database:
CA

Certificate #: 7422-64ZRHQ
Application Year: 2004
Issue Date: 9/20/2004
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Quantum Remediation Inc.
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 3444-7CFKR7
Application Year: 2008
Issue Date: 3/10/2008
Approval Type: Air
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Quantum Remediation (Ontario) Inc.
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 0757-5LLKWS
Application Year: 2003
Issue Date: 5/23/2003
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Quantum Remediation (Ontario) Inc.
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 0800-5PAFXG

Application Year: 2003
Issue Date: 7/9/2003
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Quantum Remediation (Ontario) Inc.**
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 8749-5MJUFH
Application Year: 2003
Issue Date: 5/15/2003
Approval Type: Air
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Quantum Remediation (Ontario) Inc.**
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 0693-5MJTNJ
Application Year: 2003
Issue Date: 5/15/2003
Approval Type: Air
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **CLARIDGE HOMES (RIVERSIDE) INC.**
ST.#1/RIVERSIDE DR/CUL-DE-SAC OTTAWA CITY ON

Database:
CA

Certificate #: 3-1703-95-006
Application Year: 95
Issue Date: 12/11/95
Approval Type: Municipal sewage
Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CLARIDGE HOMES (RIVERSIDE) INC.
ST.#1/RIVERSIDE DR/CUL-DE-SAC OTTAWA CITY ON

Database:
CA

Certificate #: 7-1203-95-006
Application Year: 95
Issue Date: 12/11/95
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: PEREZ CORPORATION
STREET NO. 1 RIVERSIDE DR. OTTAWA CITY ON

Database:
CA

Certificate #: 7-0478-87-
Application Year: 87
Issue Date: 5/5/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: J. PEREZ CORPORATION STM MGN. 3-0842-87
STREET #1 RIVERSIDE DR. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0563-87-
Application Year: 87
Issue Date: 5/5/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

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

Site: *City of Ottawa*
Riverside Dr Lot 6, Concession 2 RF Ottawa ON

Database:
CA

Certificate #: 7888-7KLKTM
Application Year: 2008
Issue Date: 10/22/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *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: *Quantum Remediation Inc.*
Mobile Unit Ottawa ON

Database:
CA

Certificate #: 3202-6NTJ9A
Application Year: 2006
Issue Date: 5/16/2006
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: IMPERIAL OIL LIMITED
NORTH YORK ON

Database:
CONV

File No.:

Crown Brief No.:

Ministry District:

Region: EASTERN REGION

Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE

--- Details ---

Date Charged: 6/4/93

Fine: \$1,000

Act/Regulation/Section: OWRA- -66(3)

Charge Disposition:

+

Date Charged: 6/4/93

Fine: \$4,000

Act/Regulation/Section: OWRA- -66(3)

Charge Disposition:

Site: SHELL CANADA PRODUCTS LIMITED
DON MILLS ON

Database:
CONV

File No.:

Crown Brief No.:

Ministry District:

Region: SOUTH EAST REGION

Description: DISCHARGING A CONTAMINANT - ADVERSE EFFECT

--- Details ---

Date Charged: 92/05/12

Fine: 90000

Act/Regulation/Section: EPA- -13(1)

Charge Disposition:

Site: HAWKESBURY ASPHALT LTD.
ON

Database:
CONV

File No.:

Crown Brief No.: 98-0138-0116

Ministry District: CORNWALL

Region: EASTERN REGION

Description: PERMIT THE DISCHARGE OF A PESTICIDE NATRAZINEN INTO THE ENVIRONMENT,
OPERATE A BUSINESS AND/OR ENGAGE IN AN EXTERMINATION WITHOUT A LICENCE

--- Details ---

Date Charged: 3/16/00

Fine: \$2,000.00

Act/Regulation/Section: PA- -5(1)

Charge Disposition: SUSPENDED SENTENCE

+

Date Charged: 3/16/00

Fine: \$500.00

Act/Regulation/Section: PA- -5(2)

Charge Disposition: SUSPENDED SENTENCE

Site: IMPERIAL OIL LIMITED
DON MILLS ON

Database:
CONV

File No.:
Crown Brief No.:
Ministry District:
Region: EASTERN REGION
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.

--- Details ---

Date Charged: 6/4/93
Fine: \$6,000
Act/Regulation/Section: OWRA- -66(3)
Charge Disposition:
+
Date Charged: 6/4/93
Fine: \$6,000
Act/Regulation/Section: OWRA- -66(3)
Charge Disposition:

Site: SUPERIOR PROPANE INCORPORATED
UNIONVILLE ON

Database:
CONV

File No.:
Crown Brief No.:
Ministry District:
Region: EASTERN REGION
Description: DISCHARGE OF PROPANE VAPOURS INTO NATURAL ENVIRON

--- Details ---

Date Charged: 12/13/93
Fine: \$3,500
Act/Regulation/Section: EPA- -14(1)
Charge Disposition:

Site: Taggart Construction Limited
Bank Street South Ottawa ON

Database:
CONV

File No.: 010503
Crown Brief No.:
Ministry District:
Region:
Description: On December 3, 2009, Taggart Construction Limited pleaded guilty to one violation under the Ontario Water Resources Act for failing to comply with a Provincial Officer Order to submit weekly water taking records showing daily water taking volumes. The company was contracted to install municipal services for the Findlay Creek Subdivision located on Bank Street in South Ottawa. A ministry inspection of the construction site in the fall of 2007 revealed concerns with water taking activities and a Provincial Officer Order was issued. One of the requirements of the Order, related to keeping accurate water taking records and submitting them to the ministry, was not complied with. The company was charged following an investigation by the ministry's Investigations and Enforcement Branch and was fined \$5,000 plus victim fine surcharge. The company was given 30 days to pay the fine.

--- Details ---

Date Charged: December 3, 2009
Fine: \$5,000
Act/Regulation/Section: Provincial Officer Order
Charge Disposition: fine, victim fine surcharge

Site: Quantum Remediation (Ontario) Inc.
Ottawa ON

Database:
[EBR](#)

Year: 2004
EBR Registry No.: IA04E0054
Ministry Ref. No.: 7151-5UZTCN
Type: Instrument Decision
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Location: Mobile System Ottawa Ontario
Proponent Address: 15 Fitzgerald Road, Suite 200 Ottawa Ontario K2H 9G1

Site: Quantum Remediation (Ontario) Inc.
Ottawa ON

Database:
[EBR](#)

Year: 2003
EBR Registry No.: IA03E0404
Ministry Ref. No.:
Type: Instrument
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 3/24/03
Location: Mobile Unit, Ottawa, Ontario
Proponent Address: Quantum Remediation (Ontario) Inc. 15 Fitzgerald Road, Suite 200, Ottawa, Ontario, K2H 9G1

Site: Quantum Remediation (Ontario) Inc.
Ottawa ON

Database:
[EBR](#)

Year: 2003
EBR Registry No.: IA03E0405
Ministry Ref. No.:
Type: Instrument
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 3/24/03
Location: Mobile Unit, Ottawa, Ontario
Proponent Address: Quantum Remediation (Ontario) Inc. 15 Fitzgerald Road, Suite 200, Ottawa, Ontario, K2H 9G1

Site: Quantum Remediation (Ontario) Inc.
Ottawa ON

Database:
[EBR](#)

Year: 2005
EBR Registry No.: IA05E0851
Ministry Ref. No.: 4406-6CGJ62
Type: Instrument Proposal
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Location: Mobile System Ottawa Ontario
Proponent Address: 15 Fitzgerald Road, Suite 200 Ottawa Ontario K2H 9G1

Site: Quantum Remediation Inc.
Ottawa ON

Database:
[EBR](#)

Year: 2007

EBR Registry No.: 010-0040
Ministry Ref. No.: 8857-6YFJSB
Type: Instrument Proposal
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Location: Mobile Unit Ottawa CITY OF OTTAWA
Proponent Address: 15 Fitzgerald Road Unit 200 Ottawa Ontario Canada K2H 9G1

Site: *Quantum Remediation (Ontario) Inc.
Ottawa ON*

Database:
EBR

Year: 2003
EBR Registry No.: IA03E0305
Ministry Ref. No.:
Type: Instrument
Instrument Type: OWRA s. 53(1) - Approval for sewage works
Proposal Date: 3/6/03
Location: Mobile,Ottawa, OntarioOttawa
Proponent Address: Quantum Remediation (Ontario) Inc.15 Fitzgerald Road, Suite 200,Ottawa, Ontario, K2H 9G1

Site: *Quantum Remediation Inc.
Ottawa ON*

Database:
EBR

Year: 2006
EBR Registry No.: IA06E0450
Ministry Ref. No.: 0705-6MVK2E
Type: Instrument Decision
Instrument Type: Approval for sewage works - OWRA s. 53(1)
Proposal Date:
Location: Mobile Ottawa Ontario
Proponent Address: 15 Fitzgerald Road 200 Ottawa Ontario K2H 9G1

Site: *Quantum Remediation Inc.
Ottawa ON*

Database:
EBR

Year: 2007
EBR Registry No.: 010-0263
Ministry Ref. No.: 3444-6YCQGH
Type: Instrument Proposal
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date: April 10, 2007
Location: Mobile Facility Street Ottawa
Proponent Address: 15 Fitzgerald Road 200 Ottawa Ontario Canada K2H 9G1

Site: *Findlay Creek Properties Ltd. and 1374537 Ontario Limited
Lot 18 and 19, Concession 4 (Rideau Front) Ottawa ON*

Database:
ECA

CofA Number: 4251-9ABNB9
Date: 16-AUG-13
Status: Approved
Project Type: Municipal and Private Sewage

Site: Bank St Ottawa ON

Database:
EHS

Order No.: 20060427021
Report Date: 5/5/2006
Report Type: Custom Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: GVT. OF CAN. - PUBLIC WORKS CANADA
REPROGRAPHIC SERVICES TUPPER BLDG. RIVERSIDE DRIVE OTTAWA ON K1A 0M2

Database:
GEN

Generator #: ON0144720
Approval Yrs: 86,87,88,89,90
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.

--- Details ---

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Site: GVT. OF CAN. - PUBLIC WORKS CANADA 18-229
SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS, RIVERSIDE DRIVE OTTAWA ON

Database:
GEN

Generator #: ON0144720
Approval Yrs: 92,93,94,95,96,97
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.

--- Details ---

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Site: DAVID S LAFLAMME CONSTRUCTION
Billings Bridge - Bank @ Riverdale Ottawa ON

Database:
GEN

Generator #: ON7097587
Approval Yrs: 2012
SIC Code: 236210
SIC Description: Industrial Building and Structure Construction

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

Database:
GEN

Generator #: ON0000713
Approval Yrs: 86,87,88,89,90

SIC Code: 4523
SIC Description: AIRCRAFT SEVICING

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: *Hydro Ottawa Ltd.
Bank St Ottawa ON*

Database:
GEN

Generator #: ON8798860
Approval Yrs: 03,04
SIC Code:
SIC Description:

Site: *OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF
HURDMAN'S BRIDGE, PUMPING STATION RIVERSIDE DRIVE OTTAWA ON*

Database:
GEN

Generator #: ON0303122
Approval Yrs: 98
SIC Code: 8272
SIC Description: RES. CONS./IND. DEV.

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: *SPIC & SPAN-VALETOR-CASH CLEANERS
BILLINGS BRIDGE PLAZA, BANK STREET C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8*

Database:
GEN

Generator #: ON0573413
Approval Yrs: 86,87,88
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

--- Details ---

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: *PUBLIC WORKS CANADA
SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS- RIVERSIDE DRIVE OTTAWA ON*

Database:
GEN

Generator #: ON0144720
Approval Yrs: 98,99,00,01
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.

--- Details ---

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

+
Waste Code: 243
Waste Description: PCB'S

+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

+
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 8/4/88
Contaminant: PERCHLOROETHYLENE
Amount: 0
Units: Underground Tank Leak
Quantity:
Cause: Damage by Equipment
Source: Service Station
Reason:
Sector: Petroleum

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 2/6/88
Contaminant: HEATING OIL
Amount: 0
Units: Container Leak
Quantity:
Cause: Equipment Failure
Source: Tank Truck
Reason:
Sector: Petroleum

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 6/11/88
Contaminant: GASOLINE
Amount: 0
Units: Valve, Fitting Leak
Quantity:
Cause: Unknown
Source: Service Station
Reason:
Sector: Petroleum

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 8/4/88
Contaminant: OTHER OIL
Amount: 0
Units: Underground Tank Leak
Quantity:
Cause: Damage by Equipment
Source: Service Station
Reason:
Sector: Petroleum

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 10/19/88
Contaminant: GASOLINE
Amount: 0
Units: Unknown
Quantity:
Cause: Unknown
Source: Service Station
Reason:
Sector: Petroleum

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 10/6/88
Contaminant: GASOLINE
Amount: 0
Units: Pipe Leak
Quantity:
Cause: Error
Source: Service Station
Reason:
Sector: Petroleum

Site: IMPERIAL OIL
OTTAWA CITY ON

Database:
NEES

Incident Date: 1/8/88
Contaminant: UNKNOWN
Amount: 0
Units: OA
Quantity:
Cause: Unknown
Source: Tank Truck
Reason:
Sector: Petroleum

Site: PETRO-CANADA
OTTAWA CITY ON

Database:
NEES

Incident Date: 4/15/89
Contaminant: GASOLINE
Amount: 0
Units: Overflow
Quantity:
Cause: Unknown
Source: Service Station
Reason:
Sector: Petroleum

Site: Shell Canada Products Limited
Shell Canada Ottawa ON

Database:
SPL

Ref NO: 6267-5M2K7H
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Quantity: 1 L
Incident Cause:
Incident Dt: 4/28/2003
Incident Reason:
Incident Summary: Shell - 1L gasoline
MOE Reported Dt: 4/28/2003
Environmental Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Land
SAC Action Class: Spills
Sector Source Type:
Site Municipality: Ottawa

Site: GRW PETROLEUM LIMITED
SUNY'S GAS BAR TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 39878
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 8/27/1990
Incident Reason: ERROR
Incident Summary: GRW - 10 L OF DIESEL FUEL TO PAVEMENT WHEN TANK WAS OVERFILLED.
MOE Reported Dt: 8/27/1990
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: ULTRAMAR
RIVERSIDE DRIVE AT TRANSIT WAY (NEAR POST OFFICE) TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 76621
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Dt: 9/22/1992
Incident Reason: UNKNOWN
Incident Summary: ULTRAMAR GASOLINE TANKER - UNKNOWN QUANTITY GAS FROM MOTOR TO ROAD.
MOE Reported Dt: 9/22/1992
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:

Sector Source Type:
Site Municipality: 20101

Site: City of Ottawa
at Bank St. and Riverside St. Ottawa ON

Database:
SPL

Ref NO: 4832-664N97
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 3 L
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Dt: 10/25/2004
Incident Reason: Material Failure - Poor design or substandard materials
Incident Summary: OC Transpo: 3 L diesel to catch basin
MOE Reported Dt: 10/25/2004
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
SAC Action Class: Spill to Land
Sector Source Type: Other Motor Vehicle
Site Municipality: Ottawa

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

Database:
SPL

Ref NO: 47843
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 3/19/1991
Incident Reason: ERROR
Incident Summary: ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L.HEATING OIL ON GROUND
MOE Reported Dt: 3/20/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

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

Database:
SPL

Ref NO: 59519
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 11/7/1991
Incident Reason: ERROR
Incident Summary: ESSO-3 LITRES DIESEL FUEL TO GRND UNDER LOADING RACK, COUPLING NOT CLOSED
MOE Reported Dt: 11/7/1991
Environmental Impact: NOT ANTICIPATED

Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

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

Database:
SPL

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

Site: **PETRO-CANADA**
SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref NO: 30833
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 2/12/1990
Incident Reason: CORROSION
Incident Summary: PETRO CANADA SERVICE STN.FURANCE OIL LEAK.
MOE Reported Dt: 2/12/1990
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: **SHELL CANADA PRODUCTS LTD.**
SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref NO: 60160
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 11/24/1991
Incident Reason: CORROSION

Incident Summary: SHELL SERVICE STATION - 25 L. OF GASOLINE TO GROUND FROM LEAKY CAR
MOE Reported Dt: 11/25/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 23253
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: //
Incident Reason: EQUIPMENT FAILURE
Incident Summary: SHELL- 4.5 LTR SPILL OF JET FUEL AT UPLANDS AIRPORT
MOE Reported Dt: 8/7/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 81843
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 2/14/1993
Incident Reason: UNKNOWN
Incident Summary: SHELL CANADA - 20 L OF AVIATION FUEL TO RAMP DUE TO TRUCK LEAK
MOE Reported Dt: 2/14/1993
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 30521
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE

Incident Dt: 2/2/1990
Incident Reason: ERROR
Incident Summary: SHELL TANK TRUCK-50 L AVIATION FUEL TO ASPHALT
MOE Reported Dt: 2/2/1990
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND / AIR
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: UNKNOWN
OTTAWA RIVER FROM WINDSOR SEWAGE P.S. WINDSOR ST. OTTAWA CITY ON

Database:
SPL

Ref NO: 3719
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 5/15/1988
Incident Reason: UNKNOWN
Incident Summary: LIGHT FUEL OIL SHEEN ON OTTAWA RIVER FROM SEWAGE PUMPING STATION.
MOE Reported Dt: 5/15/1988
Environmental Impact:
Nature of Impact:
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

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

Database:
SPL

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

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 84404
Contaminant Code:
Contaminant Name:

Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 4/21/1993
Incident Reason: ERROR
Incident Summary: SHELL CANADA - 40 L OF AVIATION FUEL AT GATE A DUE TO TRUCK LEAK
MOE Reported Dt: 4/22/1993
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 21872
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 7/11/1989
Incident Reason: EQUIPMENT FAILURE
Incident Summary: SHELL REFUELING VEHICLE- 70 L AVIATION FUEL TO GROUND.
MOE Reported Dt: 7/11/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 16382
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 3/27/1989
Incident Reason: EQUIPMENT FAILURE
Incident Summary: UPLANDS AIRPORT - 20 L OF JET FUEL TO GROUND.
MOE Reported Dt: 3/27/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 26231

Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 10/5/1989
Incident Reason: EQUIPMENT FAILURE
Incident Summary: SHELL CANADA - 120L JET FUEL TO TERMINAL RAMP
MOE Reported Dt: 10/5/1989
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 81836
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 2/14/1993
Incident Reason: ERROR
Incident Summary: SHELL-25L OF JET A-1 FUEL TO GROUND DURING FUELLING CONTAINED, CLEANED UP.
MOE Reported Dt: 2/14/1993
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref NO: 8471
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: ABOVE-GROUND TANK LEAK
Incident Dt: 8/22/1988
Incident Reason: ERROR
Incident Summary: UPLANDS AIRPORT - 50 L OF JET FUEL TO PAVEMENT FROM TANK TRUCK.
MOE Reported Dt: 8/22/1988
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: TRANSPORT TRUCK
BANK ST. BRIDGE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref NO: 88427
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 7/13/1993
Incident Reason: CORROSION
Incident Summary: HYDRAULIC OIL LEAK FROM UNIDENTIFIED TRANSPORT TRUCK TO BANK ST. BRIDGE
MOE Reported Dt: 7/13/1993
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: OC TRANSPO
BANK ST. SOUTH MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref NO: 223917
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 4/11/2002
Incident Reason: UNKNOWN
Incident Summary: SPILL OF DIESEL FUEL TO GRND, CLEAN UP CREW ON THE WAY
MOE Reported Dt: 4/11/2002
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20107

Site: ESSO PETROLEUM CANADA
BANK STREET SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref NO: 147934
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 10/16/1997
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Incident Summary: ESSO SERVICE STATION: 40 L GASOLINE TO GROUND
MOE Reported Dt: 10/16/1997
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: PIONEER PETROLEUMS LTD.
BANK STREET SOUTH PIONEER GAS STATION. SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref NO: 137358
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 2/20/1997
Incident Reason: ERROR
Incident Summary: PIONEER PETROLEUMS-4L GASOLINE TO GROUND,UNSAFESPILL RESPONSE BY STAFF.
MOE Reported Dt: 2/20/1997
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20101

Site: City of Ottawa
Bank St in front of Bethshalam Cemetary Ottawa ON

Database:
SPL

Ref NO: 1101-6BTH2J
Contaminant Code:
Contaminant Name: ETHYLENE GLYCOL (ANTIFREEZE)
Contaminant Quantity:
Incident Cause: Cooling System Leak
Incident Dt: 4/26/2005
Incident Reason: Equipment Failure
Incident Summary: Ottawa:OC Transpo- 8 L antifreeze to grnd, clng
MOE Reported Dt: 4/26/2005
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class: Spill to Land
Sector Source Type: Other Motor Vehicle
Site Municipality: Ottawa

Site: Ottawa D-Squared Construction Limited
Bank St, South of Leitrim Rd Ottawa ON

Database:
SPL

Ref NO: 1488-9P3QYV
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 0 other - see incident description
Incident Cause: Collision/Accident
Incident Dt: 2014/09/18
Incident Reason: Operator/Human Error
Incident Summary: D-Squared MVA - 100L DSL and oil to asphalt, cleaning
MOE Reported Dt: 2014/09/18
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Site: Bell Canada
on Bank St, 10 ft N of Catherine St BELL MANHOLE<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref NO: 8384-6WDTAV
Contaminant Code: 13
Contaminant Name: GASOLINE
Contaminant Quantity: Not specified L
Incident Cause: Unknown
Incident Dt: 12/11/2006
Incident Reason: Unknown - Reason not determined
Incident Summary: ukn src: hydrocarbons in Bell manhole
MOE Reported Dt: 12/11/2006
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class:
Sector Source Type: Unknown
Site Municipality: Ottawa

Site: City of Ottawa <UNOFFICIAL>
on east side of Bank St. 750 metres north of Findlay Creek Dr. Ottawa ON

Database:
SPL

Ref NO: 4541-7VJ3B3
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason: Equipment Failure
Incident Summary: Ottawa Works Dept. - sewage to ground from forcemain.
MOE Reported Dt: 9/2/2009
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Sewage Treatment
Site Municipality:

Site: Quantum Remediation (Ontario) Inc.
Mobile Facility Ottawa ON

Database:
WDS

Certificate No.: 6416-5YBQ9R
Issue Date: 5/26/2004
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:

Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:

Site: **Quantum Remediation (Ontario) Inc.**
Mobile Facility Ottawa ON

Database:
WDS

Certificate No.: 3023-6BWNMH
Issue Date: 5/24/2005
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:

Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:

Appendix: Database Descriptions

*Ecolog Environmental Risk Information Services Ltd (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 all 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 Mar 2015

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-Jan 2014

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of all 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: 2001-Jul 2014

Borehole:Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:Provincial [CA](#)

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

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

Commercial Fuel Oil Tanks:Provincial [CFOT](#)

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

Government Publication Date: 1948-Dec 2015

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: 1992, 1999-Jul 2014

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-Feb 2014

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-Nov 2015

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-Jun 2014

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 31 2011-Oct 2015

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-Nov 2015

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 31, 2011-Jun 2015

Environmental Effects Monitoring:Federal [EEM](#)

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

*Government Publication Date: 1992-2007**

ERIS Historical Searches:Private [EHS](#)

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

Government Publication Date: 1999-Aug 2014

Environmental Issues Inventory System:

Federal [EIS](#)

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 EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

*Government Publication Date: 1992-2001**

Emergency Management Historical Event:

Provincial [EMHE](#)

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities:

Provincial [EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Current to Nov 2015

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

Government Publication Date: June 2000-Oct 2015

Fisheries & Oceans Fuel Tanks:

Federal [FOFT](#)

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

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank:

Provincial [FST](#)

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

Government Publication Date: 2010-Nov 2015

Fuel Storage Tank - Historic:

Provincial [FSTH](#)

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

*Government Publication Date: 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-May 2015

TSSA Historic Incidents:

Provincial [HINC](#)

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

*Government Publication Date: 2006-June 2009**

Indian & Northern Affairs Fuel Tanks:

Federal [IAFT](#)

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

*Government Publication Date: 1950-Aug 2003**

TSSA Incidents:

Provincial [INC](#)

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

Government Publication Date: June 2009 - Nov 2015

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: 2012

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-Apr 2013

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: 1994-2012

National Defence & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

The Department of National Defence 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 Defence & Canadian Forces Spills:

Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

*Government Publication Date: 2001-Apr 2007**

National 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 all 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. All federal out-of-service PCB containing equipment and all 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: 1993-2013

Oil and Gas Wells:

Private [OGW](#)

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

Government Publication Date: 1988-2015

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: 1800-2013

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-Nov 2015

Canadian Pulp and Paper:

Private [PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal [PCFT](#)

Canadian Heritage maintains an inventory of all 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 Environment maintains a database of all manufacturers and vendors of registered pesticides.

Government Publication Date: 1988-Jun 2013

TSSA Pipeline Incidents:

Provincial [PINC](#)

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

Government Publication Date: June 2009-2014

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-Nov 2015

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2013

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2015

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Jul 2014

Scott's Manufacturing Directory:

Private SCT

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

*Government Publication Date: 1992-Mar 2011**

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Jun 2015

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: 1990-2011

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-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

The TSSA, under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Government Publication Date: Current to Nov 2014

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: 1970-Jun 2015

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: 1955-Mar 2014

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 were included as reference.

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

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 2011	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Multi Tenant Res
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 2005/06	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Multi Tenant Res
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 2001/02	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	

530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Multi Tenant Res
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1995/96	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Multi Tenant Res
556 Riverdale Avenue	-Res (1 tenant)

563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1988/89	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Multi Tenant Res
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1984	

Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Multi Tenant Res
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1979	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)

551 Riverdale Avenue	-Multi Tenant Res
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1975	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Multi Tenant Res
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Res (1 tenant)

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario

Year: 1970	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Multi Tenant Res

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1965	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)

532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Multi Tenant Res

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1960	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Multi Tenant Res

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1955	
Site Listing:	-Res (1 tenant)
Adjacent Properties:	
530 Riverdale Avenue	-Res (1 tenant)
532 Riverdale Avenue	-Res (1 tenant)
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Address Not Listed

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1950	
Site Listing:	-Address Not Listed

Adjacent Properties:	
530 Riverdale Avenue	-Address Not Listed
532 Riverdale Avenue	-Address Not Listed
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Address Not Listed

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1945	
Site Listing:	-Address Not Listed
Adjacent Properties:	
530 Riverdale Avenue	-Address Not Listed
532 Riverdale Avenue	-Address Not Listed
551 Riverdale Avenue	-Res (1 tenant)

556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Address Not Listed

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1940	
Site Listing:	-Address Not Listed
Adjacent Properties:	
530 Riverdale Avenue	-Address Not Listed
532 Riverdale Avenue	-Address Not Listed
551 Riverdale Avenue	-Res (1 tenant)
556 Riverdale Avenue	-Res (1 tenant)
563 Riverdale Avenue	-Address Not Listed

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1935	

Site Listing:	-Address Not Listed
Adjacent Properties:	
530 Riverdale Avenue	-Address Not Listed
532 Riverdale Avenue	-Address Not Listed
551 Riverdale Avenue	-Address Not Listed
556 Riverdale Avenue	-Address Not Listed
563 Riverdale Avenue	-Address Not Listed

PROJECT NUMBER: 20160202156	
Site Address:	559 Riverdale Avenue, Ottawa, Ontario
Year: 1930	
Site Listing:	-Address Not Listed
Adjacent Properties:	
530 Riverdale Avenue	-Address Not Listed
532 Riverdale Avenue	-Address Not Listed

551 Riverdale Avenue	-Address Not Listed
556 Riverdale Avenue	-Address Not Listed
563 Riverdale Avenue	-Address 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

75°41'30"W

75°41'W

75°40'30"W

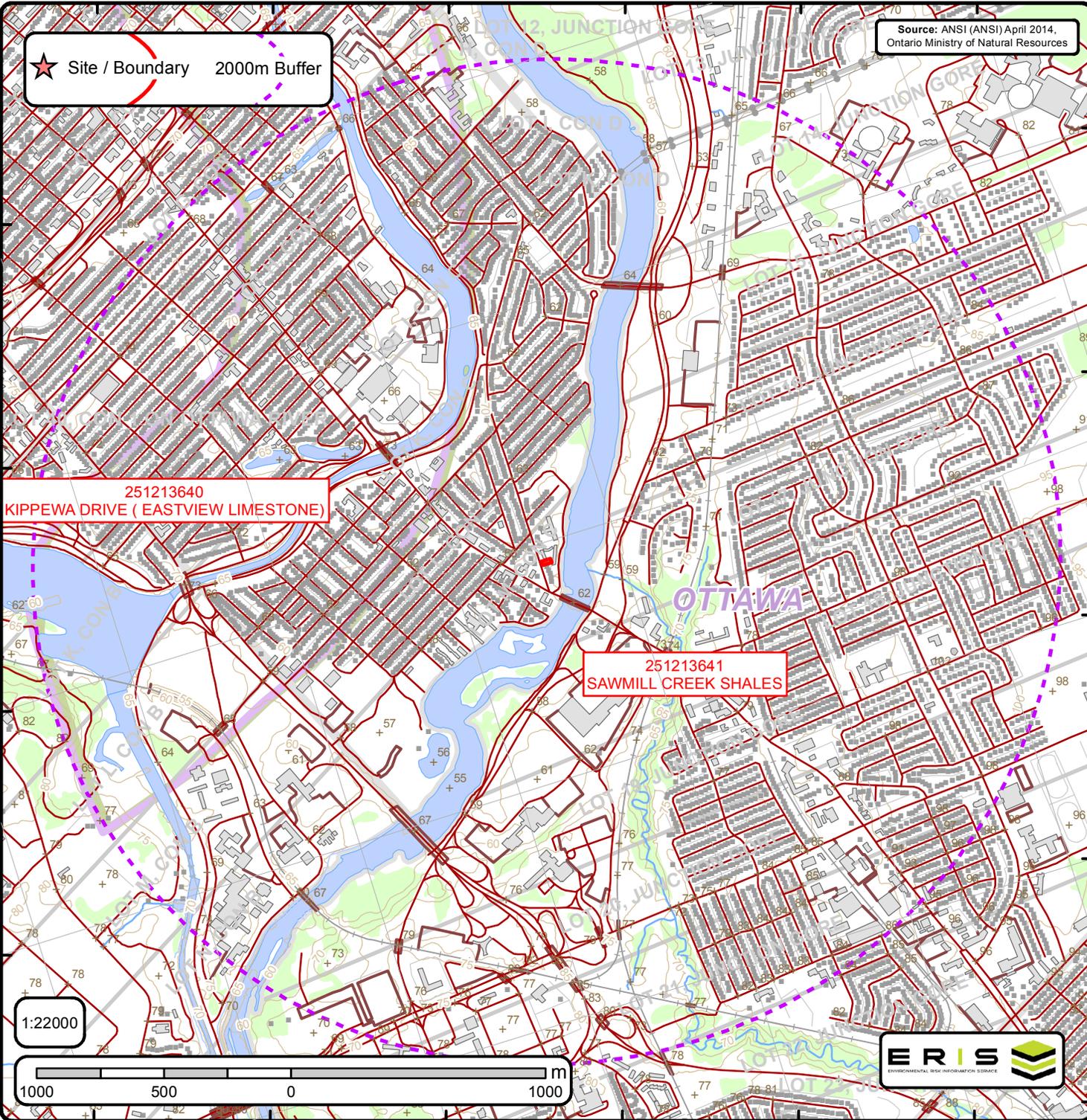
75°40'W

75°39'30"W

75°39'W

Source: ANSI (ANSI) April 2014, Ontario Ministry of Natural Resources

★ Site / Boundary 2000m Buffer



45°24'30"N

45°24'N

45°23'30"N

45°23'N

45°24'N

45°23'30"N

45°23'N

45°22'30"N

45°22'N

Area of Natural & Scientific Interest (ANSI) Order No. 20160202156

+	Spot Height	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—	Railroads	■	Airports	■	Lots	■	National Park
—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership	■	ANSI Area



ANSI Report

ANSI Units Found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ANSI Name: SAWMILL CREEK SHALES |

ID: 251213641 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):** 752.152 | **Comments:**

ANSI Name: KIPPEWA DRIVE (EASTVIEW LIMESTONE) |

ID: 251213640 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):** 1234.663 | **Comments:**

75°41'30"W

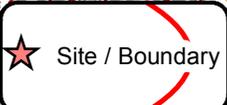
75°41'W

75°40'30"W

75°40'W

75°39'30"W

75°39'W



Site / Boundary

Source: Ontario Base Mapping (OBM), 2010. Ontario Ministry of Natural Resources

45°24'30"N

45°24'N

45°23'30"N

45°23'N

45°24'N

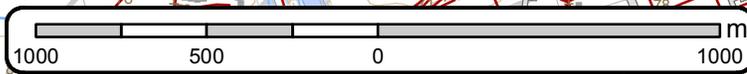
45°23'30"N

45°23'N

45°22'30"N

45°22'N

1:22000



Ontario Base Mapping (OBM) Data

Order No. 20160202156

+ Spot Height (metre)	— Transportation Structure	— Contour Line	■ Wooded Area
■ Building Point	● Utility Line	▭ Pit or Quarry	▭ Conservation Authority
⊕ Towers	— Water Structure	■ Waterbody	▭ Conservation Area
● Utility Site Point	— Drainage Line Feature	■ Wetlands	▭ Municipal Park
— Misc. Line	— River or Stream	▭ Concession	▭ Provincial Park
— Railroads	▭ Airports	▭ Lots	▭ National Park
— Roads	■ Tanks	▭ Municipality	▭ Nature Reserve
- - - Trail	▭ Building to Scale	▭ Land Ownership	

75°41'30"W

75°41'W

75°40'30"W

75°40'W

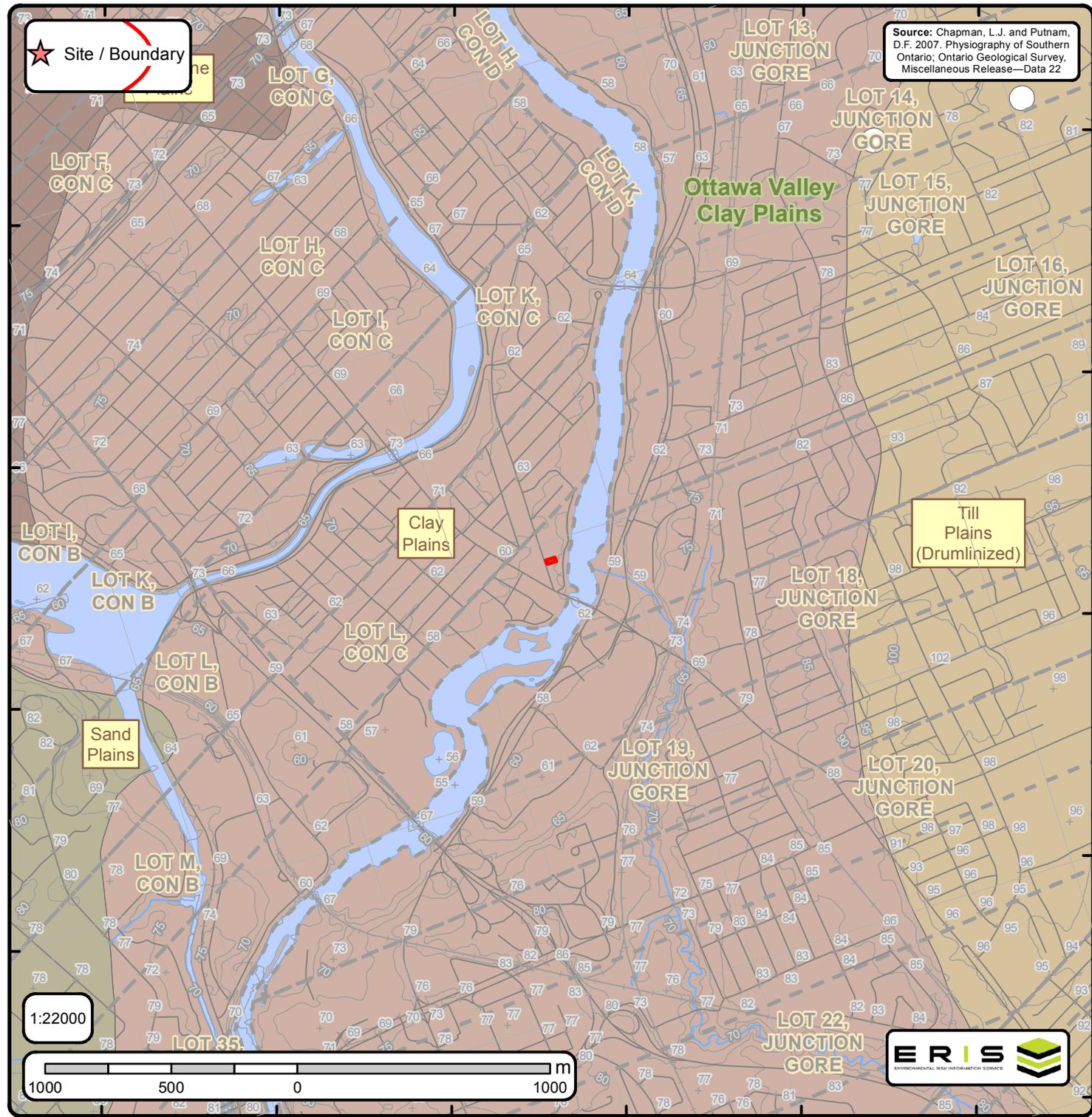
75°39'30"W

75°39'W

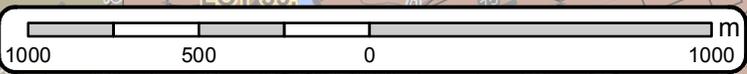


Source: Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 22

45°24'30"N
45°24'N
45°23'30"N
45°23'N
45°22'30"N
45°22'N



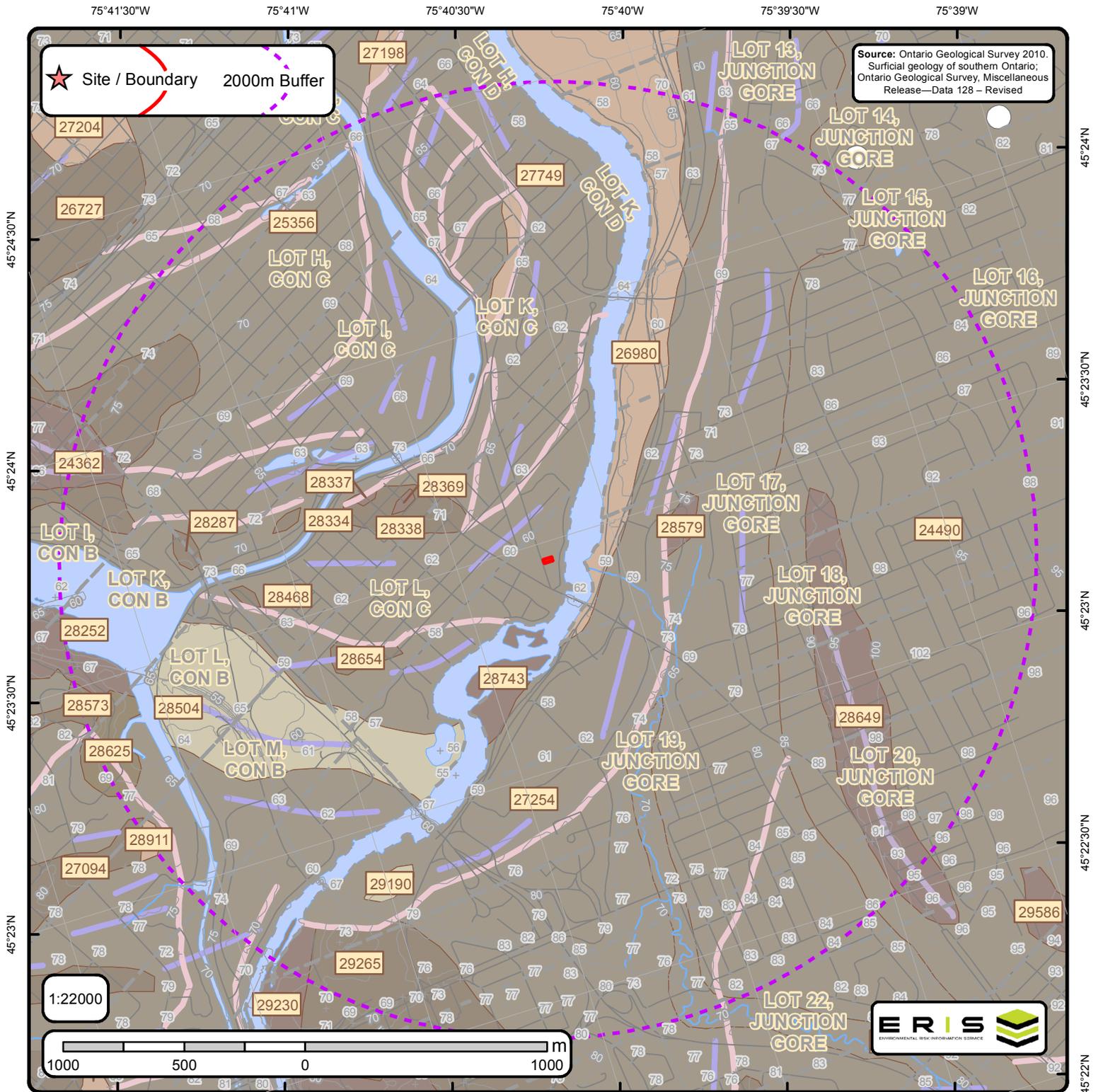
1:22000



Physiography of Southern Ontario

Order No. 20160202156

+ Spot Height	— Lots	◆ Boulder Pavement	■ Bare Rock Ridges And Shallow Till	■ Peat And Muck
— Roads	□ Pit or Quarry	◆ Dissected Terrain	■ Beaches	■ Sand Plains
— Railroads	□ Airports	■ Mud Flow Scars	■ Bevelled Till Plains	■ Shale Plains
— Contour Lines	— Wetlands	▲ Sand Dunes	■ Clay Plains	■ Shallow Till And Rock Ridges
— Streams	■ Waterbody	— escarpment	■ Drumlins	■ Spillways
		— shorecliff	■ Escarpments	■ Till Moraines
		— shorecliff (weakly developed)	■ Eskers	■ Till Plains (Drumlinized)
		■ Physiography Regions	■ Kame Moraines	■ Till Plains (Undrumlinized)
			■ Limestone Plains	



The Surficial Geology of Southern Ontario Order No. 20160202156





Surface Geology Report

Surface Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ID: 24362 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 24490 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 25356 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 26727 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 26980 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6a | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt, sand | **Primary Material Modifier:** organic-bearing | **Secondary Material:** | **Primary General:** fluvial | **Primary General Modifier:** modern floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Silty sand, silt, sand and clay; deposits of present floodplains and of alluvial fans in areas of low relief.



Surface Geology Report

Surface Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ID: 27094 | Unit Name: Till |

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 27254 | Unit Name: Offshore marine deposits |

Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine |
Primary General Modifier: foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 27749 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 28252 | Unit Name: Bedrock |

Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 28287 | Unit Name: Till |

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc



Surface Geology Report

Surface Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ID: 28334 | Unit Name: Till |

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 28337 | Unit Name: Bedrock |

Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 28338 | Unit Name: Till |

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 28369 | Unit Name: Bedrock |

Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 28468 | Unit Name: Till |

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc



Surface Geology Report

Surface Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ID: 28504 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 28573 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 28579 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 28625 | **Unit Name:** Landslide |
Deposit Type Code: I | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clay | **Secondary Material:** sand | **Primary General:** colluvial | **Primary General Modifier:** landslide | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Landslide area showing location of headscarp and general trend of slump ridges. Ridges generally consist of clay with overlying or admixed sand.

ID: 28649 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



Surface Geology Report

Surface Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ID: 28654 | Unit Name: Till |

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 28743 | Unit Name: Bedrock |

Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** |
Veneer: clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 28911 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 28994 | Unit Name: Offshore marine deposits |

Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 29190 | Unit Name: Organic deposits |

Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.



Surface Geology Report

Surface Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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20160202156



ID: 29230 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 29265 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium |
Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc



Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario;
Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier - This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.



Soils Report

Soil Map Units Found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 85821000.0

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZZZ Soil Complex: 1 of 1 Area (sq m): 12309600.0

Soil Type: ONZZZ___ | Percent: 100 | Code: ZZZ | Name: WATER | Symbol: ZZZ | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: W | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: WA | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 8233170.0

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 74238600.0

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 673.375976562

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 9548.03027344

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 20706.6992188

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 144.10899353

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___

Map Unit: ONOND401ZUR Soil Complex: 1 of 1 Area (sq m): 3353.87011719

Soil Type: ONZUR___ | Percent: 100 | Code: ZUR | Name: URBAN | Symbol: ZUR | Parent Material: | Landscape: | Slope: -9.000000 | Class: | Range: | Stoniness: | CLI: | CLI1: | CLI2: | Survey: OTTAWA CARLETON | Drainage: | Hydro: | Texture: | Modifier: ___



Soils Report Metadata

Soil Survey Complex (ON Soils)

ONTARIO MINISTRY OF AGRICULTURE AND FOOD
 MINISTRY OF NATURAL RESOURCES
 1945-2009



Map Unit - The SOIL MAPUNIT is the basic element of an applied soil classification resulting from detailed soil surveys. Soil Map unit is comprised of one or more soil survey polygons. The MAPUNIT field was generated for each polygon by appending the PROVINCE and NSDB-ID codes with the MAP UNIT symbol that identified that polygon on the original printed soil map. The MAPUNIT usually encodes meaningful information about the soil type and topography; the same information which is found in the Component table. Within any one survey, a group of polygons with similar properties may be coded with the same MAPUNIT.

Soil Type - Identifies a specific soil profile.

Percent - Proportion of the area of the Soil Map Unit occupied by a specific soil component, expressed as a percent. For any particular SOIL MAPUNIT, the sum of the individual. Soil Map Unit Component Area values must be equal to 100%.

Code - Three letter CANSIS code for identifying soils. **Name** - Textual identifier of the soil. **Symbol** - Soil symbol as found in the soil Mapunit.

Survey - Name describing the geographic location where the Soil Survey was completed. Typically the name denotes an administrative boundary of an Upper Tier municipality that occurred at the time of the Soil Survey.

Slope - Predominant slope of the landscape expressed as a percent (%). Slope steepness is often referred to by Class.

Class Range (%) Terminology

A	0.0 - 0.5	Level
B	0.5 - 2	Nearly level
C	2.0 - 5	Very gentle slopes
D	5.0 - 9	Gentle slopes
E	9.0 - 15	Moderate slopes
F	15 - 30	Strong slopes
G	30 - 45	Very strong slopes
H	45 - 70	Extreme slopes
I	70 - 100	Steep slopes
J	> 100	Very steep slopes

Stoniness - Occurrence of surface stoniness

Code

-	Not Applicable
0	Non-stony
1	Slightly stony
2	Moderately stony
3	Very stony
4	Exceedingly stony
5	Excessively stony

Drainage - Indicates classification of how well the soil drains.

Code

-	Not Applicable
VR	Very Rapidly
R	Rapidly
W	Well
MW	Moderately Well
I	Imperfectly
P	Poorly
VP	Very Poorly

Texture - Describes the soil texture of the A Horizon in the soil profile.

Code

S	coarse sand and loamy sand
SL	moderately coarse sandy loam
L	medium - moderately fine loam
SIL	silt loam
CL	clay loam
SIC	silty clay
C	clay
O	organic

CLI - Classification of soil and land physical and climatic capability for the production of common field crops as part of the Canada Land Inventory (CLI).

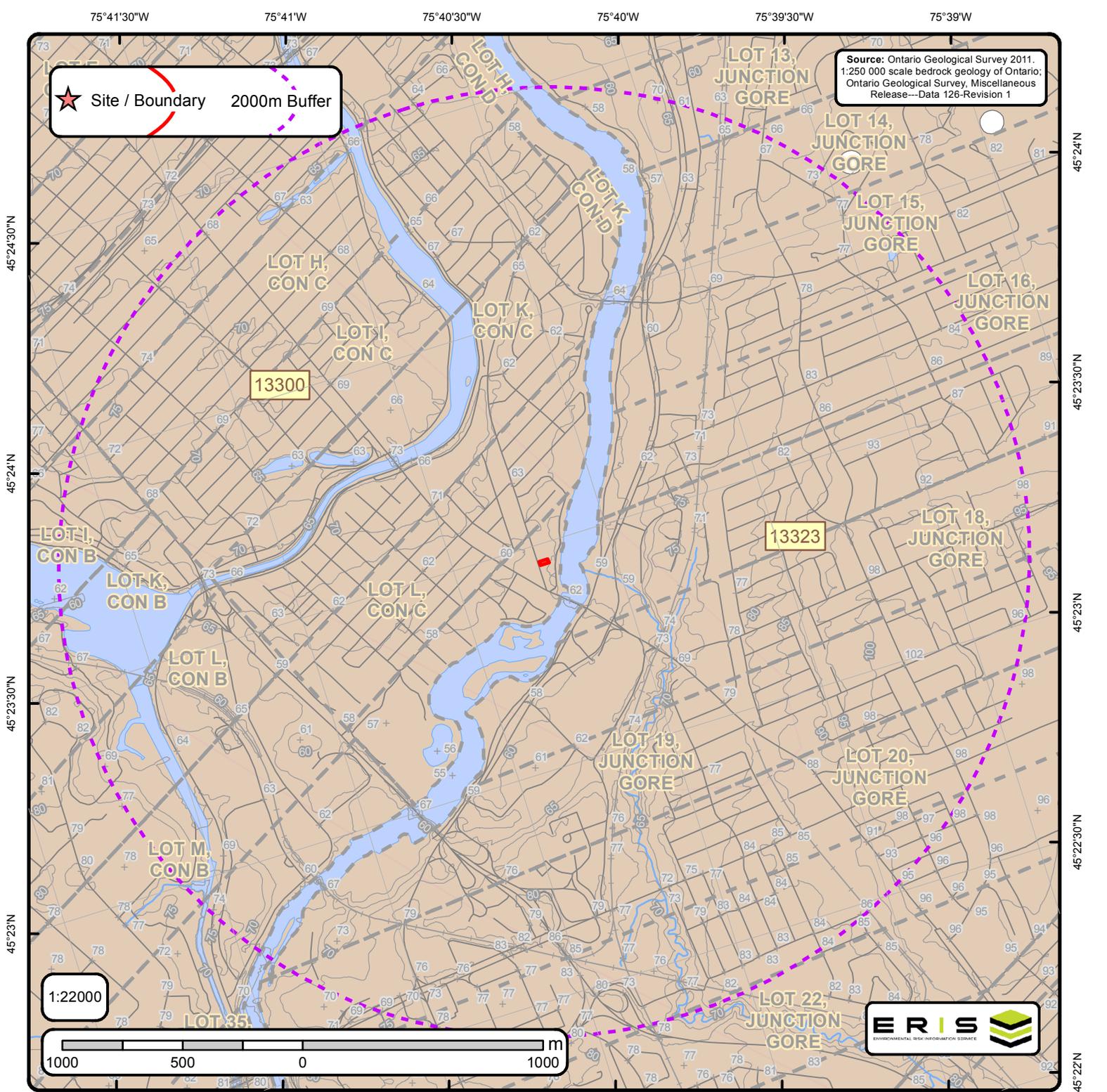
Class 1	No significant limitations in use for Crops
Class 2	moderate limitations on use for crops
Class 3	moderately severe limitations on use for crops.
Class 4	Severe limitations on use for crops.
Class 5	Very severe limitations preclude annual cultivation; improvements feasible.
Class 6	Natural grazing only; no improvements feasible.
Class 7	No capability for agriculture.

CLI1 and CLI2 - First and Second CLI (Canada Land Inventory) Limitation Subclass

Subclass C	Land subject to crop heat unit regimes of under 2300 (i.e. adverse Climate)
Subclass D	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Subclass E	Loss of soil profile from Erosion
Subclass F	Low inherent soil Fertility
Subclass I	Subject to occasional flooding (Inundation) from adjacent streams or waterbodies
Subclass M	Low inherent Moisture holding capacity
Subclass P	Presence of surface stones > 15 cm diameter.
Subclass R	Presence of consolidated bedrock within one metre of the soil surface
Subclass S	Presence of a combination of the Subclasses F and M, or, the presence of a combination of the Subclasses P and R (i.e. adverse soil characteristics)
Subclass T	Presence of adverse Topography

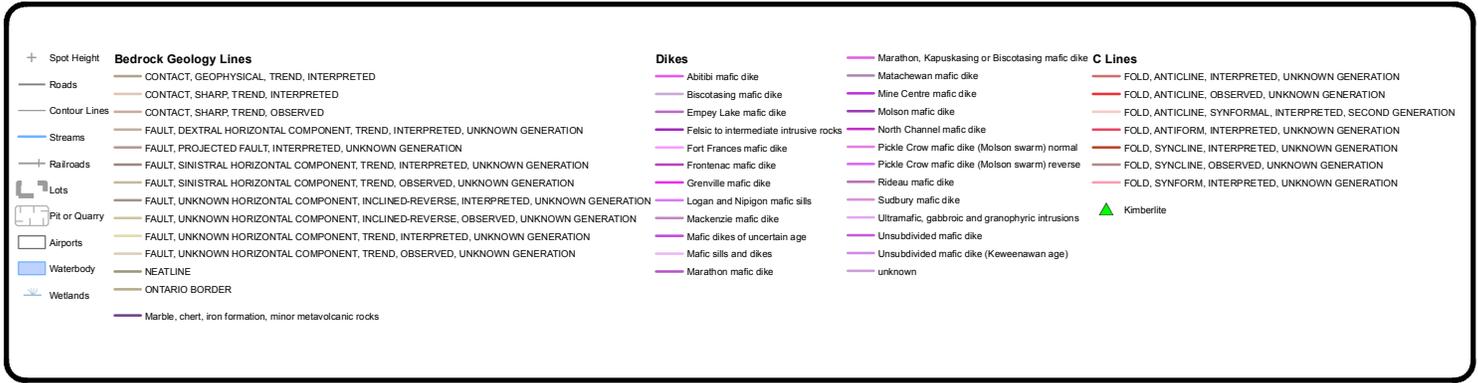
Hydro - Hydrological Soil Groups classify soils into 4 groups (A,B,C,and D) according to water run-off and infiltration rates.

A	Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel.
B	Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.
C	Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.
D	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.



Bedrock Geology of Ontario

Order No. 20160202156





Bedrock Geology Report

Bedrock Geology units found within 2000 m of
559 Riverdale Ave, Ottawa, ON, K1S1S3

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Order ID:
20160202156



ID: 13323 | **Unit Name:** |

Type (All): 55b | **Type (Primary):** 55b | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Stratus (Primary):** Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**

ID: 13300 | **Unit Name:** |

Type (All): 54a | **Type (Primary):** 54a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Limestone, dolostone, shale, arkose, sandstone | **Stratus (Primary):** Ottawa Group; Simcoe Group; Shadow Lake Formation | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN) | **Province (Primary):**



Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126
Revision1
ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

PRECAMBRIAN (0.542 Ga to <3.85 Ga)

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

MESOARCHEAN (2.8 Ga to 3.2 Ga)	MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)	EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)	PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)	MESOZOIC (65.5 Ma to 251.0 Ma)

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

LOWER ORDOVICIAN	UPPER SILURIAN
MIDDLE ORDOVICIAN	LOWER DEVONIAN
UPPER ORDOVICIAN	MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN	UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN	LOWER CRETACEOUS AND MIDDLE JURASSIC

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE