

Phase I Environmental Site Assessment

319 Huntmar Drive
Ottawa, Ontario

Prepared for: Ironclad Developments Inc.

Report: PE7242-1
Date: December 2, 2025

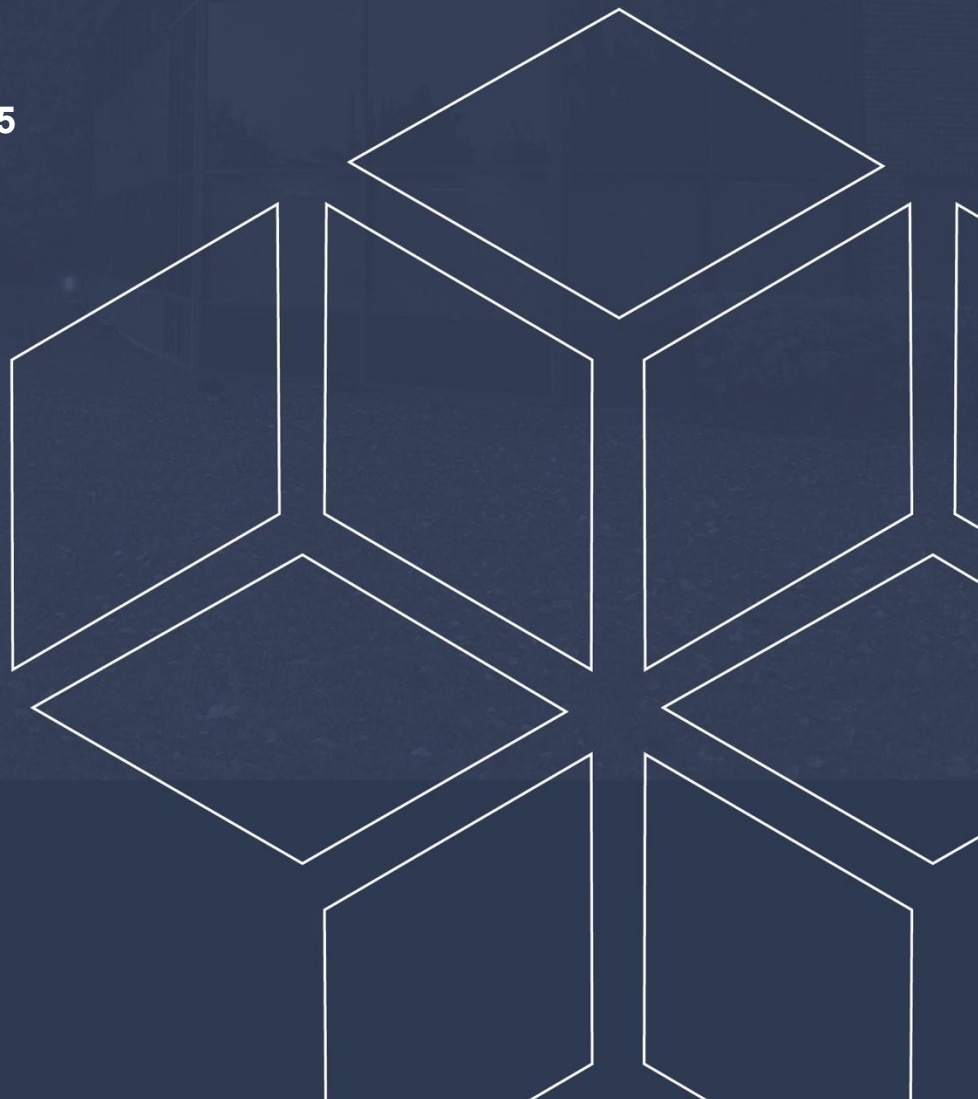


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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Ironclad Developments Inc., to carry out a Phase I-Environmental Site Assessment (ESA) for 319 Huntmar Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on available historical records, the Phase I Property was first developed with a farmstead building prior to 1945 and was primarily used for agricultural purposes. The building was demolished in 1999, and the property has remained vacant since that time. No environmental concerns were identified with the historical use of the Phase I Property.

Based on the available historical information, the adjacent and surrounding properties within the Phase I Study Area have been primarily developed for agricultural, residential, and commercial purposes. Two off-site PCAs were identified, consisting of car dealerships with associated automotive service garages. These identified PCAs are not considered to represent APECs on the Phase I Property due to their separation distances relative to the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently undeveloped vacant land. Remnant foundations of the former farmstead were noted in the northwestern part of the Phase I Property. No environmental concerns were identified with the current use of the Phase I Property.

Land use within the Phase I Study Area consists of agricultural and commercial properties, along with some vacant land. No previously unidentified PCAs were observed during the review of the current use of surrounding properties.

Recommendations

No further investigations are required at this time.

The former farm building foundations may be managed at the time of site redevelopment, however they do not present an immediate environmental concern.

1.0 INTRODUCTION

At the request of Ironclad Developments Inc., Paterson Group (Paterson) carried out a Phase I-Environmental Site Assessment (Phase I-ESA) for 319 Huntmar Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and properties within the Phase I Study Area to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Santan Singh with Ironclad Developments Inc. Mr. Santan Singh can be reached by mail at 101-57158 Symington Road 20E, Springfield, MB, R2J 4L6.

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

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended, under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	319 Huntmar Drive, Ottawa, Ontario.
Legal Description:	Block 2, Plan 4M-1554, Part of Lot 3, Concession 1, Geographic Township of Huntley, City of Ottawa.
Property Identification Number (PIN):	04508-0103.
Location:	The Phase I Property is located on the west side of Huntmar Drive, immediate north of Highway 417, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 17' 50.40" N, 75° 56' 1.60" W
Site Description:	
Configuration:	Irregular
Area:	3.23 ha (approximate)
Zoning:	MC H (45) – Mixed-Use Centre Zone
Current Use:	The Phase I Property currently consists of vacant, undeveloped land.
Services:	The Phase I Property is currently not serviced.

3.0 SCOPE OF INVESTIGATION

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

- ☐ Determine the historical activities on the Phase I property and Study Area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- ☐ Investigate the existing conditions present at the Phase I property and Study Area by conducting site reconnaissance;
- ☐ Conduct interviews with persons knowledgeable of current and historic operations on the subject properties, and if warranted, neighbouring properties;
- ☐ Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 153/04, as amended, under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022);
- ☐ Provide a preliminary environmental site evaluation based on our findings;
- ☐ Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on available historical information, the Phase I Property was originally developed with residential (farmstead) buildings and utilized for agricultural and/or residential purposes prior to 1945. The property is currently vacant.

Fire Insurance Plans (FIPs)

Fire Insurance Plans (FIPs) are not available for the area of the Phase I Property and surrounding properties.

City of Ottawa Street Directories

City directories are not available for the area of the Phase I Property and surrounding properties.

Chain of Title

Given the available information, it was determined that the results of a chain of title search would not contribute to the environmental assessment for the Phase I Property. Therefore, a chain of title search was not completed as part of this assessment.

Plan of Survey

A plan of survey for the Phase I Property, prepared by Stantec Geomatics Ltd. was reviewed as part of the Phase I ESA. The plan shows surveyed lands which extend beyond the Phase I Property. On the survey plan, the Phase I Property is defined as "Block 2". A copy of the plan of survey is provided in Appendix 1.

Previous Environmental Reports

No previous engineering reports were available for review for the Phase I Property.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on September 29, 2025. No records were found in the NPRI database for properties within the Phase I Study Area.

PCB Inventory

A search of provincial PCB waste storage sites was conducted. No PCB waste storage sites were identified within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on September 29, 2025. The search did not reveal any areas of natural significance within the Phase I Study Area.

Ministry of the Environment, Conservation and Parks Freedom of Information Request

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property. A response from the MECP was received on the November 18, 2025, and contained no relevant records. A copy of the response is provided in Appendix 2.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, inspections maintained by the MECP for the Phase I Property or neighbouring properties. A response from the MECP was received on November 18, 2025, identifying two incident reports associated with 8555 Campeau Drive. It should be noted that the former address of the Phase I Property was 8555 Campeau Drive, which formed part of a larger parcel associated with the Tanger Outlets retail development to the north.

The first incident report involved a 5-litre hydraulic oil spill onto an asphalt parking lot, which was contained and cleaned. The second incident report related to a natural gas leak on the Tanger Outlets property.

Both reported incidents occurred on the Tanger Outlets property located off-site, to the north of the Phase I Property. Based on the small quantities involved and the separation distance between the occurrences and the Phase I Property, these are not considered to pose an environmental concern to the Phase I Property.

A copy of the response is provided in Appendix 2.

MECP Instruments

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. A response from the MECP was received on the November 18, 2025, and contained no relevant records. A copy of the response is provided in Appendix 2.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. A response from the MECP was received on November 18, 2025. The response identified one waste management record, one waste audit report, and two inspection reports related to waste audits for 8555 Campeau Drive. It should be noted that the former address of the Phase I Property was 8555 Campeau Drive, which was part of a larger parcel associated with the Tanger Outlets retail development to the north. Both identified records pertain to the Tanger Outlets operations and are not considered to pose an environmental concern to the Phase I Property.

A copy of the response is provided in Appendix 2.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No record of site condition (RSC) was identified for the Phase I Property or surrounding properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No such sites were listed in the database for the Phase I Property or properties within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted electronically on September 29, 2025, to inquire about current and former underground/aboveground storage tanks for the subject and neighbouring properties. The response from the TSSA indicated that no records were listed in the TSSA registry for the Phase I Property or surrounding properties within the Phase I Study Area.

A copy of the TSSA correspondence is included in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response was received on November 10, 2025. No records were identified for the Phase I Property.

Records were identified for 2500 Palladium Drive, which is currently occupied by multiple automotive dealerships buildings and associated service garages. The dealerships and garages at Unit 600 (approximately 135 m south) and Unit 800 (approximately 205 m south) are identified as Potentially Contaminating Activities (PCAs) within the Phase I Study Area. Based on their separation distances, these PCAs are not considered to pose an environmental concern to the Phase I Property.

The remaining records in the HLUI response are not considered as PCAs. A copy of the HLUI response letter, map and table is provided in Appendix 2.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, "*Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa*", was reviewed as part of this assessment. No former landfill sites were identified on the Phase I Property, or within a 250m radius of the Phase I Property.

Environmental Risk Information Service (ERIS) Report

An Environmental Risk Information Services (ERIS) report, dated October 2, 2025, was acquired for the Phase I Property and reviewed as part of this assessment. It should be noted that the ERIS report includes information that would normally be obtained through the MECP FOI, MECP well records search as well as several other records (i.e., incident reports, waste generators, etc.). The complete ERIS report has been included in Appendix 2.

❑ *On-Site Records:*

A total of 2 records from various databases were identified for the Phase I Property (1 of which is previous ERIS search).

The ERIS report identified one environmental activity and sector registry record for the Phase I Property. The record is limited to dewatering works and is not considered to pose an environmental risk to the Phase I Property.

❑ *Off-Site Records:*

A total of 62 records from various databases were identified for properties within a 250m radius of the Phase I Property (4 of which are previous ERIS searches).

The ERIS report identified two Ontario Spill records for properties within the Phase I Study Area. The first record, dated February 2025, relates to a 300-litre diesel fuel spill from a truck on Highway 417, located southwest of the Phase I Property. According to the record, the spill was contained, and the MOE completed a desktop review, noting the environmental and health consequences as low. This spill record is not considered to pose an environmental concern to the Phase I Property. The second record, dated April 2016, pertains to the property at 2500 Palladium Drive, approximately 115 m south of the Phase I Property, and involves a 20-litre spill of motor oil to the ground. Due to the small quantity, this record is not considered to pose an environmental concern to the Phase I Property.

The large property at 2500 Palladium Drive is occupied by multiple car dealership buildings with associated automotive service garages. The dealerships and garages at Unit 600 (approximately 135 m south) and Unit 800 (approximately 205 m south) are identified as Potentially Contaminating Activities (PCAs) within the Phase I Study Area. Based on their separation distances, these PCAs are not considered to pose an environmental concern to the Phase I Property.

The ERIS report identified 5 Certificates of Approval, 1 Environmental Activity and Sector Registry, 12 Environmental Compliance Approval and 1 Permit to Take Water records for surrounding property within the Phase I Study Area. The records are limited to sewer, water, air, and dewatering works and are not considered to pose an environmental risk to the Phase I Property.

The ERIS report identified 24 borehole and 4 water well records for surrounding properties within the Phase I Study Area, which are further discussed in the water well records section of this report.

The remaining records in the ERIS report are either associated with previously identified PCAs or are not considered to pose an environmental concern to the Phase I Property.

4.3 Physical Setting Sources

Aerial Photographs

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

1945	The Phase I Property primarily consists of agricultural land with a farmstead located in the west-central portion, accessible via a private lane connecting to Huntmar Drive. Huntmar Drive is visible to the northeast of the property. The surrounding area primarily comprises vacant and agricultural land, with a few dwellings and farmsteads situated along Huntmar Drive to the north, east and south. Feedmill Creek runs adjacent to the northern boundary of the Phase I Property.
1959	No significant changes are apparent with regard to the Phase I Property or surrounding properties.
1968	(Poor Scale) No significant changes are apparent with regard to the Phase I Property or surrounding properties.
1976	(GeoOttawa) No significant changes are apparent with regard to the Phase I Property. A slight temporary deviation in Huntmar Drive was observed, likely associated with the construction of Highway 417 and the Huntmar Drive overpass.
1984	No significant changes are apparent with regard to the Phase I Property. Highway 417 has been constructed to the south of the Phase I Property, along with Huntmar Drive overpass to the east.
1991	(GeoOttawa) No significant changes are apparent with regard to the Phase I Property or surrounding properties.
2002	(GeoOttawa) The farmstead buildings on the Phase I Property appears to have been demolished, leaving only foundations visible. The property further to the east of the Phase I Property, appears to be developed with a large commercial building. A highway

interchange has been constructed to the southwest of the Phase I Property.

- 2011 (GeoOttawa) No significant changes are apparent with regard to the Phase I Property. The properties south of Highway 417 appears to be developed with new commercial buildings and roadways. A stormwater management pond is visible to the southeast of the Phase I Property, adjacent to the south side of Highway 417.
- 2025 (Google Earth) No significant changes are apparent with regard to the Phase I Property. A shopping outlet comprising multiple commercial buildings is developed to the northwest of the Phase I Property. Additional commercial and residential developments are observed to the north and northwest of the Phase I Property.

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

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The Phase I Property is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the elevation of the Phase I Property is approximately 101m above sea level. The regional topography in the general area of the Phase I Property slopes down to the northeast. The topographic map also shows two structures on the property, referencing the farmstead observed in the aerial photographs. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

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

shale of the Verulam Formation. Based on available mapping, the surficial geology consists of offshore marine sediments comprised of clay and silt. The overburden thickness ranges from approximately 10 to 25 m.

Water Well Records

A search of the MECPs website was conducted on September 29, 2025, for all drilled well records within a 250m radius of the Phase I Property. No well records were identified for the Phase I Property.

The search identified six well record associated with a surrounding property within the Phase I Study Area. Four well records were related to domestic water wells dated between 1957 to 1980. Two records were related to well abandonment. Based on the availability of municipal services, no drinking water wells are expected to be currently in use within the Phase I Study Area. A copy of the well records has been included in Appendix 2.

In general, according to the well records and borehole records included in the ERIS report, the strata in the Phase I Study Area consists of clay over sand with gravel over limestone bedrock. Bedrock was encountered at depths ranging from 12.50 – 21.30 mbgs in the nearby well records identified within the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representatives

Mr. Santan Singh, a representative of Ironclad Developments Inc., was interviewed via email as part of this assessment. Mr. Singh indicated that 2657375 Ontario Inc. has owned the Phase I Property since 2016. He is not aware of any environmental concerns associated with the property. The proposed future use of the site is residential development.

The information obtained through the interview with Mr. Singh is considered to be consistent with site information obtained from other sources (aerial photos, ERIS Database Report and site observations) and is considered to be valid.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted on October 10, 2025, by Mr. Kuldeep Panchal with the Environmental Department of Paterson Group. Weather conditions at the time of the site inspection were clear and approximately 15°C.

In addition to the site, the uses of neighbouring properties within the Phase I Study Area were assessed at the time of the site visit from publicly accessible areas.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

A permanent Tanger Outlet sign, visible from Highway 417, is present near the southern property boundary.

Old foundations from the former on-site farm buildings were observed on the Phase I Property during the site visit. No other building or structures are present on the Phase I Property.

Subsurface Structures and Utilities

Multiple underground utilities were identified on the Phase I Property, including electrical, water, sewer, and storm lines. No other subsurface structures were identified at the time of the site inspection.

Site Features

The Phase I Property consists of grassed and treed vacant land, with remnants of old foundations observed in the northwestern portion and a Tanger Outlet sign located near the central-southern portion of the site.

The site is situated at an elevation comparable to Highway 417, located immediately to the south, and at a slightly lower elevation than Huntmar Drive, located directly to the east. A steep embankment is present along the northern property boundary, descending toward a creek that traverses the adjacent property. The regional topography in the general area of the Phase I Property slopes down to the northeast, towards the Carp River. Groundwater flow is expected to be generally in this direction, although local flow is likely influenced by the adjacent creek to the north.

Water drainage on the Phase I Property occurs via infiltration with some sheet drainage to creek. No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the subject site at time of the site inspection.

No drains, pits or sumps were observed on the exterior of the Phase I Property at the time of the site inspection. No evidence of current or former railway lines or spur lines on the Phase I Property was observed at the time of the site inspection.

Site features are presented on Drawing PE7242-1 – Site Plan, provided in the Figures section following the text.

Potential Environmental Concerns

☐ **Groundwater Monitoring Wells**

No monitoring wells were identified on the Phase I Property during the site assessment.

☐ **Fuels and Chemical Storage**

No above ground fuel storage tanks (ASTs), or signs of USTs were observed on the exterior of the Phase I Property at the time of the site inspection. No chemicals were found to be stored on the exterior of the Phase I Property.

☐ **Waste Management**

No wastes are currently generated on the Phase I Property.

☐ **Polychlorinated Biphenyls (PCBs) and Transformer Oil**

No transformers were observed on the Phase I Property during the site visit.

☐ **Fill Material**

No visual evidence of fill material was observed on the Phase I property during the site inspection.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible areas at the time of the site visit.

Land use adjacent to the Phase I Property was as follows:

- ☐ North - Feedmill Creek, followed by commercial shopping centre and stormwater management pond;
- ☐ South - Highway 417, followed by commercial buildings (car dealerships);
- ☐ East - Huntmar Drive, followed by vacant, agricultural land;
- ☐ West - Highway 417 / Palladium Drive interchange.

Land use within the Phase I Study Area consists of agricultural and commercial properties, along with some vacant land.

The large property at 2500 Palladium Drive is occupied by multiple car dealership buildings with associated automotive service garages. The dealerships and garages at Unit 600 (approximately 135 m south) and Unit 800 (approximately 205 m south) are identified as Potentially Contaminating Activities (PCAs) within the Phase I Study Area. As discussed previously, based on their separation distances, these PCAs are not considered to pose an environmental concern to the Phase I Property.

Current land use and PCAs identified in the Phase I Study Area are presented on Drawing PE7242-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

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

Table 1 - Land Use History			
Year	Property Use	Potentially Contaminating Activities (PCAs)	Area of Potential Environmental Concern (APECs)
319 Huntmar Drive			
Prior to 1945 to 1999	Agricultural with Farmstead (Agricultural or Other Use)	No	None
1999 to Present	Vacant (Agricultural or Other Use)	No	None

Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

Based on the findings of the Phase I ESA, two off-site PCAs (as listed in Column A, Table 2 of O.Reg.153/04) were identified within the Phase I Study Area. Based on the separation distances (minimum 115m) with respect to the Phase I Property, these identified off-site Pas are not considered to represent APEC on the Phase I Property.

No APECs have been identified on the Phase I Property.

The identified PCAs within the Phase I Study Area are presented on PE7242-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

Contaminants of Potential Concern (CPCs)

No Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of interbedded limestone and shale of the Verulam Formation. Based on available mapping, the surficial geology consists of offshore marine sediments comprised of clay and silt. The overburden thickness ranges from approximately 10 to 25 m.

The topographic maps indicate that the elevation of the Phase I Property is approximately 101m above sea level. The regional topography in the general area of the Phase I Property slopes down to the northeast.

Fill Placement

No evidence of fill placement was observed at the time of the site inspection.

Water Bodies and Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on September 29, 2025. The search did not reveal any areas of natural significance within the Phase I Study Area.

No water bodies are located on the Phase I Property. The nearest water body is Feedmill Creek, which runs along the northern boundary of the property and flows northeast toward the Carp River.

Potable Water Wells

A search of the MECPs website was conducted on September 29, 2025, for all drilled well records within a 250 m radius of the Phase I Property. No potable water well records were identified for the Phase I Property.

The search identified six well record associated with a surrounding property within the Phase I Study Area. Four well records were related to domestic water wells dated between 1957 to 1980. Two records were related to well abandonment. Based on the availability of municipal services, no drinking water wells are expected to be currently in use within the Phase I Study Area.

Monitoring Wells

No monitoring well records were identified for the Phase I Property or surrounding properties within the Phase I Study Area.

In general, according to the well records, the strata in the Phase I Study Area consists of clay over sand with gravel over limestone bedrock. Bedrock was encountered at depths ranging from 12.50 – 21.30 mbgs in the nearby well records identified within the Phase I Study Area.

Existing Buildings and Structures

A permanent Tangle Outlet sign, visible from Highway 417, is present near the southern property boundary. Old foundations from the former on-site farm buildings were observed on the Phase I Property during the site visit. No other building or structures are present on the Phase I Property.

Subsurface Structures and Utilities

Multiple underground utilities were identified on the Phase I Property, including electrical, water, sewer, and storm lines. No other subsurface structures were identified at the time of the site inspection.

Neighbouring Land Use

Land use within the Phase I Study Area consists of agricultural and commercial properties, along with some vacant land.

Current land use and PCAs identified in the Phase I Study Area are presented on Drawing PE7242-2 – Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As previously discussed in Section 7.1, two off-site PCAs were identified within the Phase I Study Area. Based on the separation distances (minimum 115m) with respect to the Phase I Property, these identified off-site Pas are not considered to represent APEC on the Phase I Property.

No APECs have been identified on the Phase I Property.

The identified PCAs within the Phase I Study Area are presented on PE7242-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

Contaminants of Potential Concern

No Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that off-site PCAs identified within the Phase I Study Area are not considered to represent APECs on the Phase I Property based on their separation distance with respect to the Phase I Property.

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

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Ironclad Developments Inc., to carry out a Phase I-Environmental Site Assessment (ESA) for 319 Huntmar Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on available historical records, the Phase I Property was first developed with a farmstead building prior to 1945 and was primarily used for agricultural purposes. The building was demolished in 1999, and the property has remained vacant since that time. No environmental concerns were identified with the historical use of the Phase I Property.

Based on the available historical information, the adjacent and surrounding properties within the Phase I Study Area have been primarily developed for agricultural, residential, and commercial purposes. Two off-site PCAs were identified, consisting of car dealerships with associated automotive service garages. These identified PCAs are not considered to represent APECs on the Phase I Property due to their separation distances relative to the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently undeveloped vacant land. Remnant foundations of the former farmstead were noted in the northwestern part of the Phase I Property. No environmental concerns were identified with the current use of the Phase I Property.

Land use within the Phase I Study Area consists of agricultural and commercial properties, along with some vacant land. No previously unidentified PCAs were observed during the review of the current use of surrounding properties.

8.2 Recommendations

No further investigations are required at this time.

The former farm building foundations may be managed at the time of site redevelopment, however they do not present an immediate environmental concern.

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

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

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

Paterson Group Inc.



Kuldeep Panchal, M.Eng.



Adrian Menyhart, P.Eng, Q.P.ESA



Report Distribution:

- ☐ Ironclad Developments Inc.
- ☐ Paterson Group

10.0 REFERENCES

Federal Records

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

Provincial Records

MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Maps and photographs (Geological Survey of Ontario surficial and subsurface mapping).
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records

geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database.

Local Information Sources

Personal Interviews
Environmental Risk Information Services (ERIS) Report, October 2, 2025

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE7242-1 – SITE PLAN

DRAWING PE7242-2 – SURROUNDING LAND USE PLAN

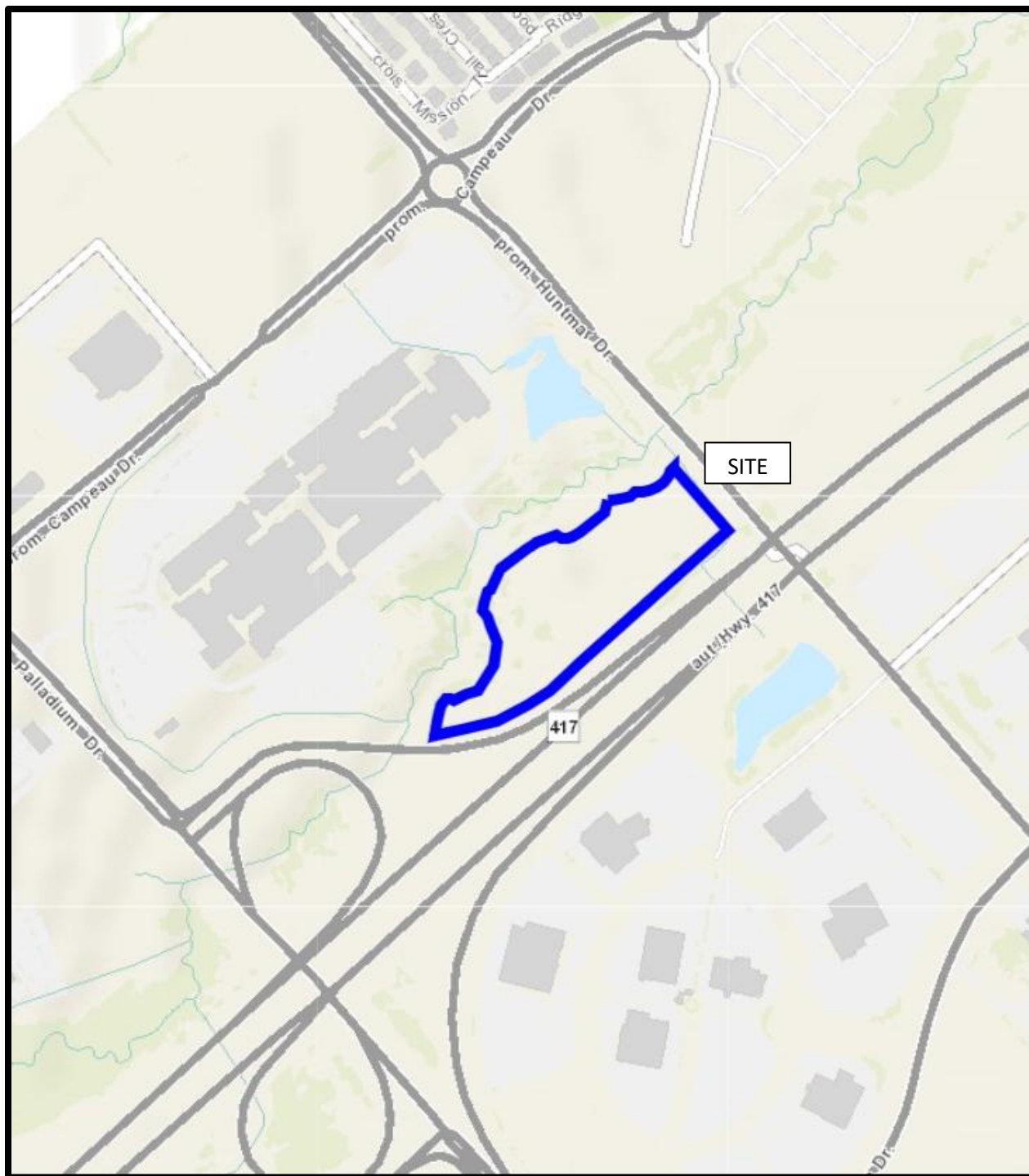


FIGURE 1
KEY PLAN

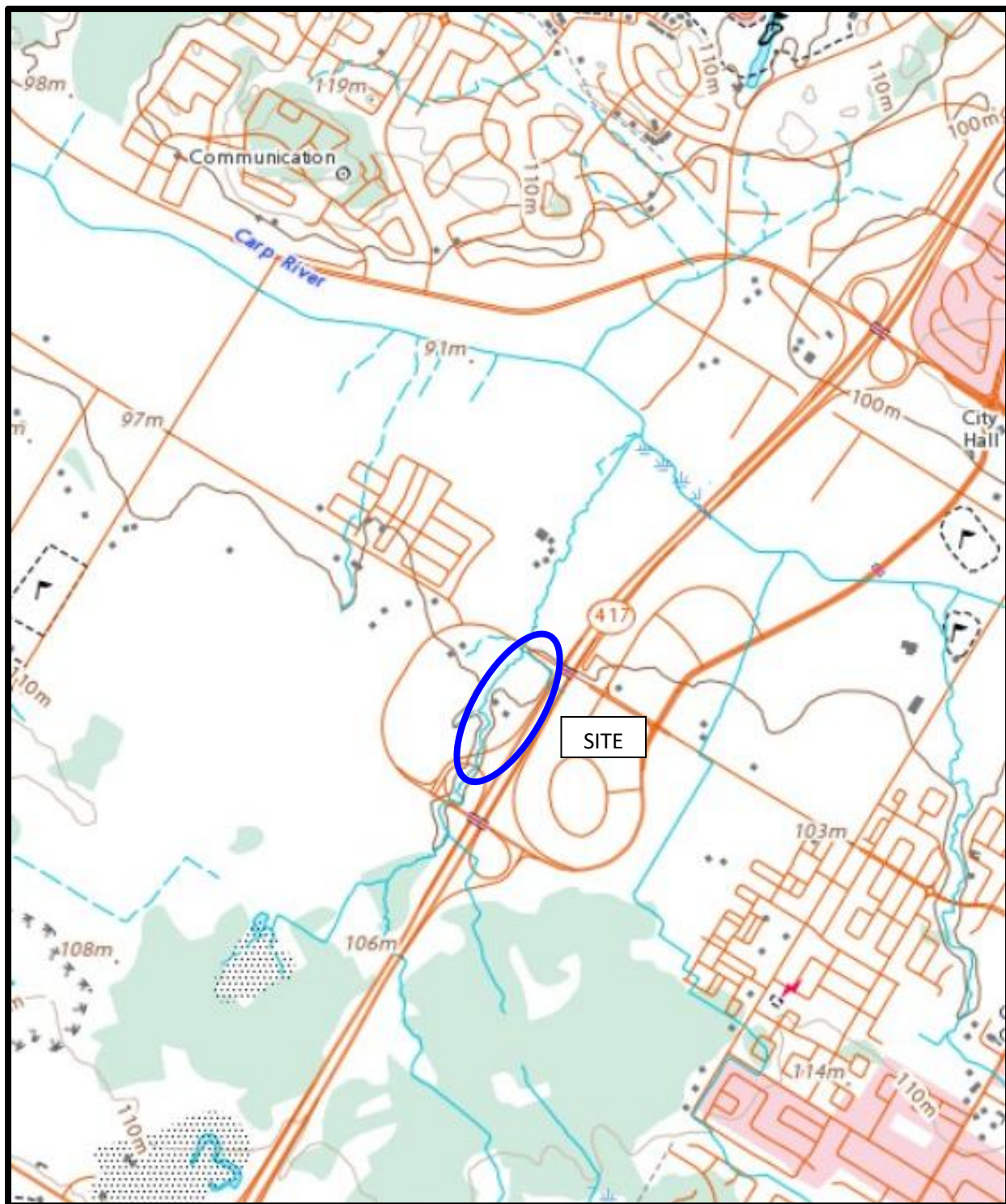
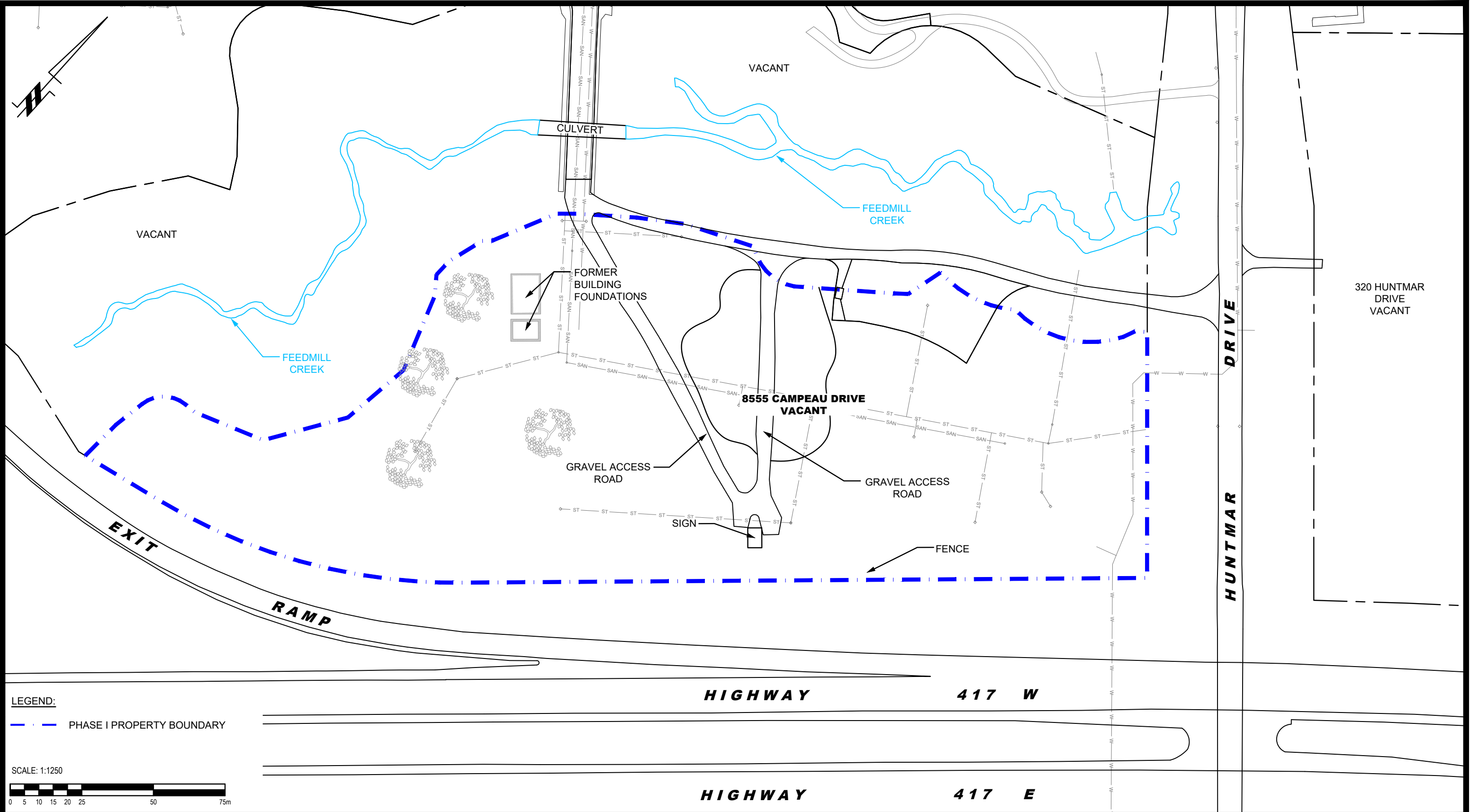


FIGURE 2
TOPOGRAPHIC MAP



LEGEND:

— · — PHASE I PROPERTY BOUNDARY

SCALE: 1:1250



9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

IRONCLAD DEVELOPMENTS INC.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
319 HUNTMAR DRIVE

OTTAWA,
Title: **SITE PLAN**ONTARIO

Scale:	1:1250	Date:	11/2025
Drawn by:	YA	Report No.:	PE7242-1
Checked by:	KMP	Dwg. No.:	PE7242-1
Approved by:	AM	Revision No.:	



LEGEND:

— PHASE I PROPERTY BOUNDARY

SCALE: 1:4000

POTENTIALLY CONTAMINATING ACTIVITIES :

ID #	PCA ID	DESCRIPTION
1	52	EXISTING DEALERSHIP & AUTOMOTIVE SERVICE GARAGE
2	52	EXISTING DEALERSHIP & AUTOMOTIVE SERVICE GARAGE

9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

IRONCLAD DEVELOPMENTS INC.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
319 HUNTMAR DRIVE
OTTAWA, ONTARIO

Title:
SURROUNDING LAND USE PLAN

Scale:	1:4000	Date:	11/2025
Drawn by:	YA	Report No.:	PE7242-1
Checked by:	KMP	Dwg. No.:	PE7242-2
Approved by:	AM	Revision No.:	

APPENDIX 1

PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1945



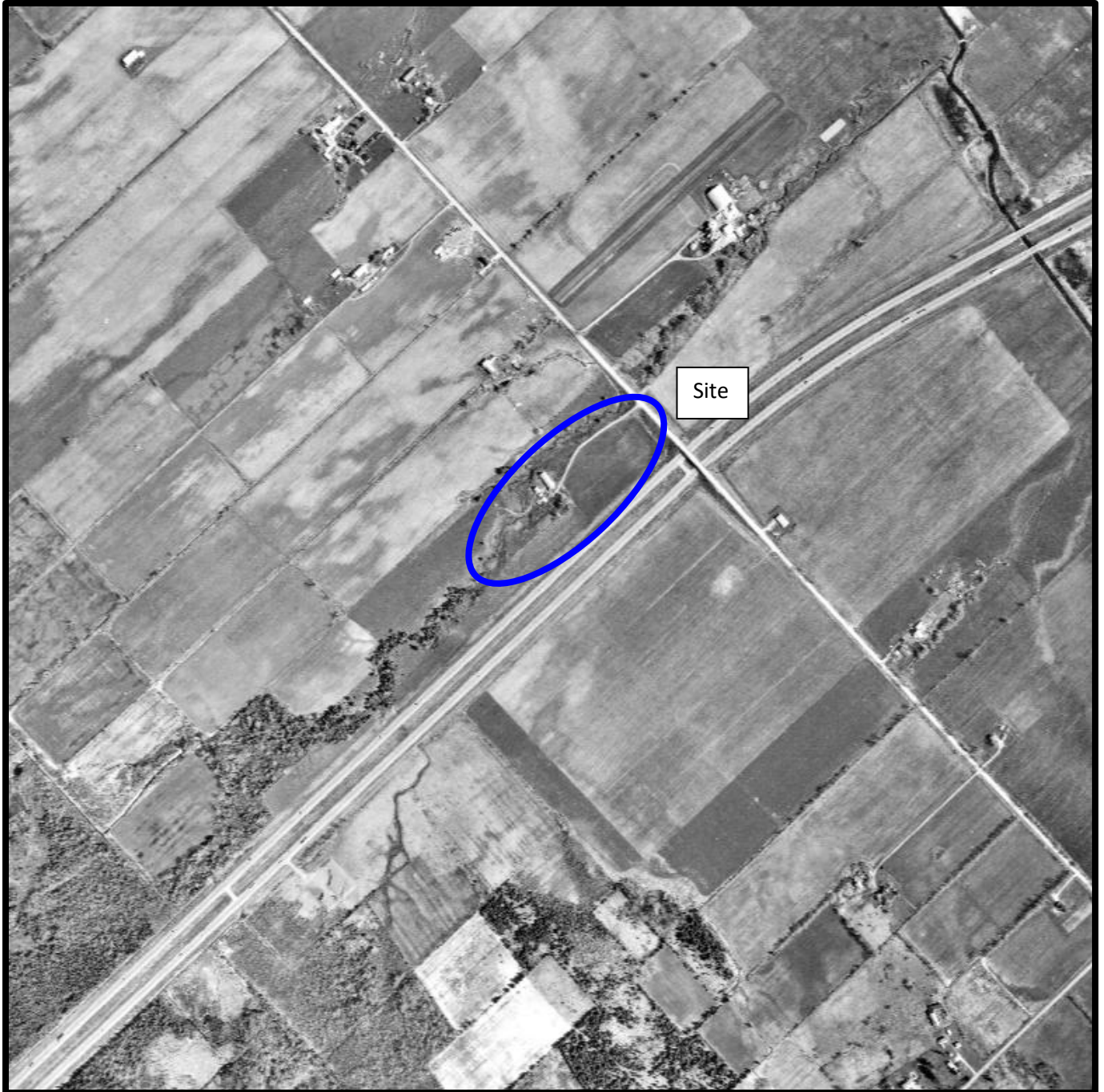
AERIAL PHOTOGRAPH
1959



AERIAL PHOTOGRAPH
1968



AERIAL PHOTOGRAPH
1976



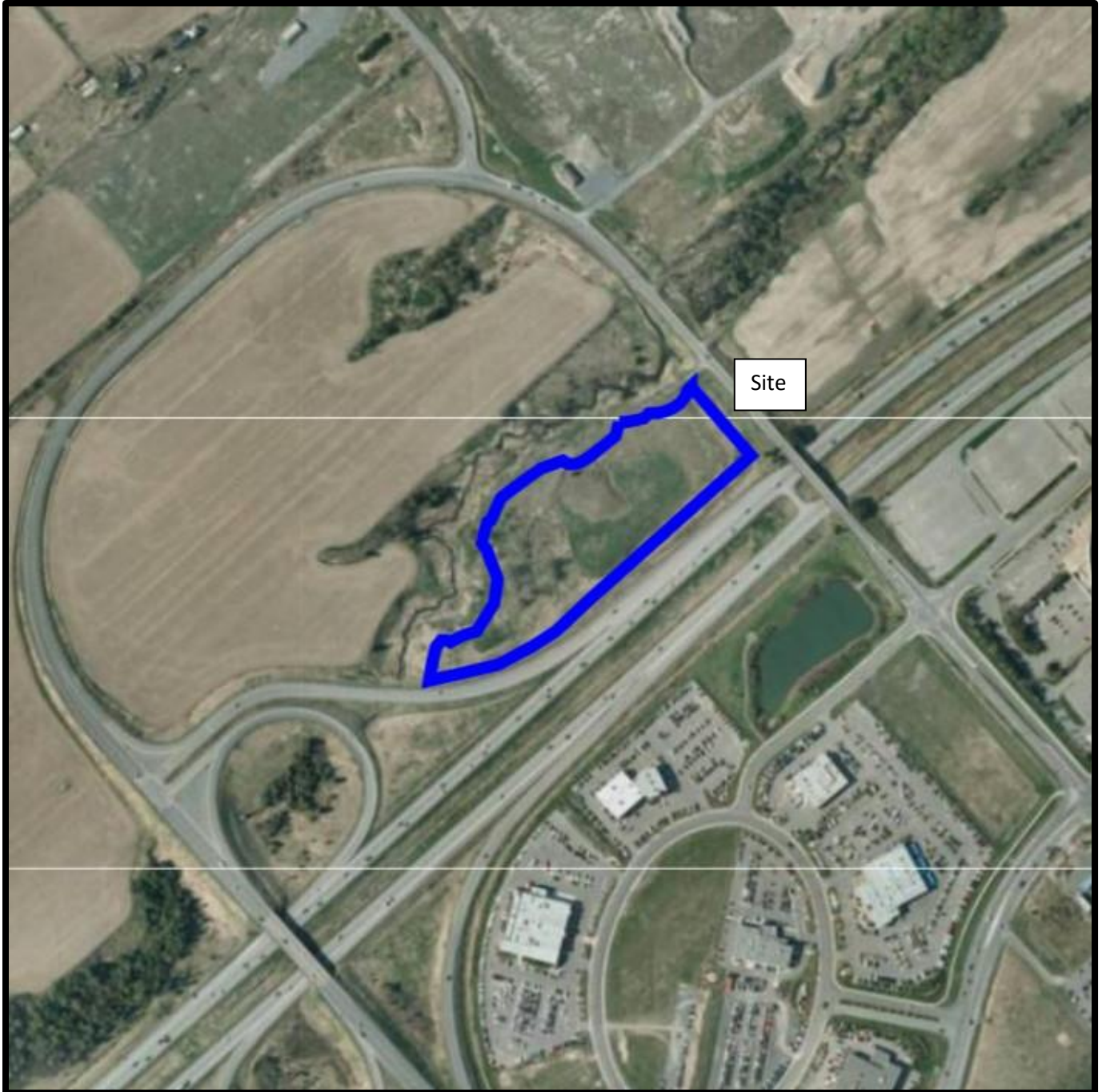
AERIAL PHOTOGRAPH
1984



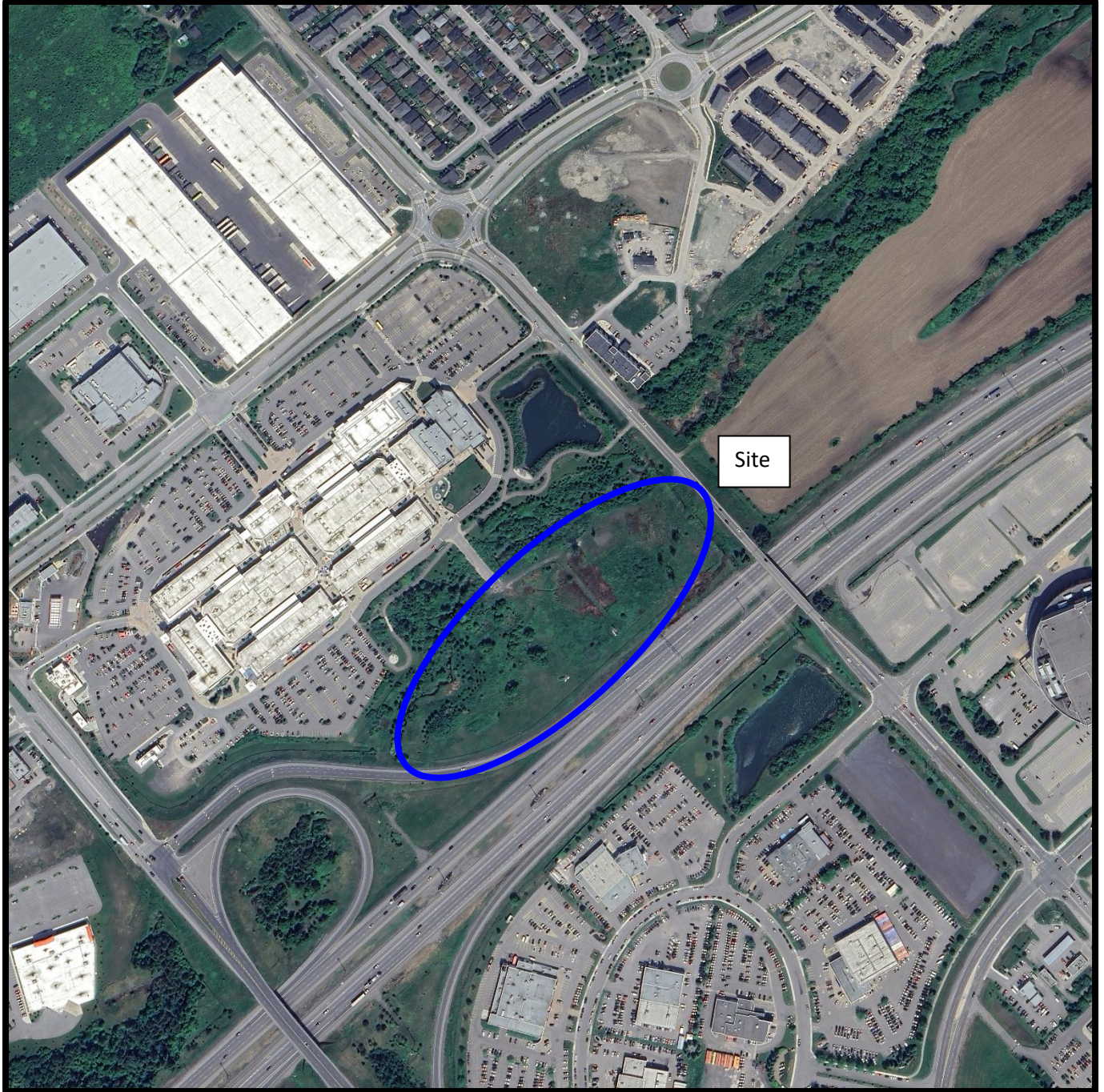
AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2025

Site Photographs

PE7242

319 Huntmar Drive, Ottawa ON

October 10, 2025



Photograph 1: View of the southwestern portion on the Phase I Property, facing south.



Photograph 2: View of the northeastern portion of the Phase I Property, facing south.

Site Photographs

PE7242

319 Huntmar Drive, Ottawa ON

October 10, 2025



Photograph 3: View of the northern portion of the Phase I Property, facing west.



Photograph 4: View of the old foundation on the Phase I Property.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS REPORT

Hazardous Waste Information

These are historical waste records from the Hazardous Waste Information Network (HWIN) and System (HWIS), operated by the Ministry of the Environment, Conservation, and Parks. As of January 1, 2023, Resource Productivity and Recovery Authority's (RPRA) Hazardous Waste Program Registry has replaced HWIN.

Generator Details (HWIN)

Registration/Notification Number

ON4399638

Legal Company Name

Primary Name:Cosmetics Company Store 684

Division Name:N/A

Company Operating Name

Primary Name:Cosmetics Company Store 684

Division Name:N/A

Mailing Address

Division Building:N/A

Address Line 1:155 Pinelawn Road Ste. 150N, EAS

Town/City:Melville

County (if in ON):

County (if outside ON):Suffolk

P.O. Box:N/A

Address Line 2:N/A

Postal/Zip Code:11747

Province/State (if in CAN/US):NEW YORK

Province/State (if outside CAN/US):N/A

Site Location

Division Building:N/A

Address Line 1:8555 Campeau Drive

Town/City:Ottawa

County (if in ON):OTTAWA CARLTON (RM)

County (if outside ON):N/A

P.O. Box:N/A

Address Line 2:N/A

Postal/Zip Code:K2T0K5

Province/State (if in CAN/US):ONTARIO

Province/State (if outside CAN/US):N/A

Inactive Waste Classes (ON4399638)

No inactive waste listings.

Active Waste Classes (ON4399638)

Active On-Site Waste Classes

Waste Class	Physical State	On-Site	Status
331 - I	Gas	On-site Processing/Storage	Active

Active Off-Site Waste Classes

Waste Class	Hazardous Waste Number (per waste stream)	Reg.347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
331 - L	N/A					Liquid	Off-Site	Active

Responsive Event Report - File

Event Number: 1-PG6GPV

Summary Information

Summary: WM Canada: ~ 5 L hydraulic oil to asphalt parking lot, contnd & cleaning

Type: SPILLS

Report Method: Phone

State: Closed

Status: Ministry Review Completed

Date Created: 09/02/2025 15:01:33

Date Reported: 09/02/2025 15:01:46

Date Occurred: 09/02/2025 14:42:12

Created By: Fatima

Assigned To: TOUTANTBR

Program:

Regulated Activity:

Location: 8555 Campeau Dr, Kanata

Municipality: OTTAWA

District Office: Ottawa District Office

Response Type: Desktop Response

Properties

ID: 1-1WP7C

Property Name:

Municipality/County: OTTAWA

District Office: Ottawa District Office

Property Description: Big box shopping/power centre greater than 100,000s.f. with 2 or more main anchors such as discount or grocery stores with a collection of box or strip stores and in a commercial concentration concept

More Information

**Was there a discharge/emission/spill of a
contaminant to the natural environment?** No

Meets Criteria to Refer to TSSA: No

Offsite Impacts: No

**Is this spill confirmed to be below the
threshold for spills reporting exemption?** No

Receiving Environment: Land

Has a Water Body been impacted? No

Impacted Water Body/Watercourse:

Initial Health & Environment Consequence: Not Anticipated

Final Health & Environment Consequence: Not Anticipated

MOE/Other Agencies Involved:

Specify Agency Name:

Can NAICS Code be determined? No-Residential

NAICS Code:

Spilled from Source: Truck - Transport/Hauling

Specify Other:

Activity During which Spill Occurred: Other (specify)

Specify Other: NA

Incident Preceding Spill: Unknown / N/A

Specify Other:

Contributing Causes: , Unknown

Specify process/unit/cause:

Root Cause: Unknown

Specify process/unit/cause:

Cleanup Status: Initiated

Owner:

Controller:

Cleanup Report Provided: No

Additional Report Provided:

Notes:

Created Date: 10/14/2025 14:00:25

Locked Date:

Created By: TOUTANTBR

Subject: ODO Recommendation

Details: No further calls were received. No follow up actions. Recommending closure of the event at this time.

Created Date: 09/02/2025 15:13:14

Locked Date: 09/03/2025 15:13:14

Created By: JABEENFA

Subject: call; SPIA

Details: Noah Terfry, District Fleet Manager, WM Canada Corp to SAC: reporting a spill

- ~ 5 L hydraulic oil spill from a garbage truck
- impacted asphalt parking lot
- clean up is on-going
- contractor - professional mobile wash also heading to site
- no impacts to cb/ drains/ water
- SAC to be updated when clean up is complete

SPIA:

Latitude: 45.29902 Longitude: -75.93886
UTM Zone: 18
Easting: 426389.32 Northing: 5016597.31
Upper Tier Municipality: N/A
Lower Tier Municipality: CITY OF OTTAWA
Township Concession and Lot: HUNTLEY LOT 3 CON 1
Assessment Parcel Address: N/A
Assessment Roll #: N/A
MECP District: Ottawa
MECP Region: Eastern Region
Source Protection Details for Location
Source Protection Area: Mississippi Valley
View Source Protection Plan
Wellhead Protection Area: No
Wellhead Protection Area (WHPA-E): No
Issue Contributing Area: No
Significant Groundwater Recharge Area: No
Highly Vulnerable Aquifer: No
Event Based Area: No
Wellhead Protection Area Q1: No
Wellhead Protection Area Q2: No
Intake Protection Zone Q: No
Information is current as of: June 16, 202

Attachments

Name: DRAFT 1-PG6GPV Responsive Event Report - File

Serial Number: 1-PG6GPV-1

Date Modified: 09/02/2025 15:12:29

URL:

Summary:

Description:

Contaminants

Contaminant Name: HYDRAULIC OIL

Description:

UN#:

CAS#:

Material Type:

Quantity: 10 litre (L)

**Number of
Exceedances:**

Min. Quantity:

Max. Quantity:

Frequency:

Other Frequency:

Start Date/Time:

End Date/Time:

**Non-Compliance
Type:**

**Approval# / Permit# /
Legislation:**

Method:

Limit:

Limit Type:

Limit Measurement:



INCIDENT REPORT

Reference Number:	2710-ACMMQ3	Module Type:	Spill
Status:	Closed	File Storage Number:	SPILLS ACTION CENTRE
Program:	Air	Activity:	Spills

Caller or PO Reporting/Receiving Information

First Name:	Last Name:
Ryan	Noble
Name of Company:	
Enbridge Gas	

MAILING ADDRESS

Civic Address:		Unit Identifier:	
Delivery Designator:		Delivery Identifier:	
Municipality/ Unorganized Twp:	County/District:	Province/State:	Postal Code:
Ottawa(1)		Ontario	
Postal Station:		Country:	Canada
Telephone Number:	Extension:	Other Number:	Email Address:
(613)618-8862		Fax	

Date Reported to MOE:	2016/08/08	Time Reported to MOE:	12:48
Date of Incident:	2016/08/08	Time of Incident:	11:08
Incident Date Confirmation:	Actual		

Client(s)

Client Details

Site(s)

Site Details
8555 Campeau Drive<UNOFFICIAL> Address: Lot: , Part: , Ottawa, City, District Office: Ottawa

Incident Summary:
TSSA- Spill- 4 inch line hit by contractor

Initial Incident Description (as reported):
Created: Julian Aristizabal (Spills Action Centre) - 2016/08/08 12:48:03 PM
Caller reports that at 11:08 at 8555 Campeau Drive, Ottawa, contractor digging at Tangiers Mall, hit a 4" plastic main. They did have locates. FD and Police responded. No media, evacuations or injuries. Line was made safe by Enbridge at 12:00. They used a valve to shut the gas off. Contractor: McKewen Contracting - 2878 Stage Coach Road, Ottawa. 14:07- SAC to TSSA FSB- Mike briefed.

SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Non-Standard Procedure:	No

Incident Description:
Last update: Julian Aristizabal (Spills Action Centre) - 2016/08/08 01:04:37 PM
Copy emailed to TSSA

Incident Description Continuation:
Not Available

Incident Update:
Not Available

Was there an MOE field response?	No
Were there samples collected / analyzed at any time?	No
Health / Environmental Consequences at the Time of Incident	
Health / Environmental Consequences:	2 - Minor Environment

Has a Water Body been impacted?	No
--	----

Receiving Environment:	Air
Incident Event:	Leak/Break
Incident Reason:	Unknown / N/A
Source Type:	Pipeline/Components
Sector Type:	Unknown / N/A
MOE/Other Agencies Involved:	Municipal - Ambulance/Fire/Police
Was there a discharge / emission / spill of a contaminant to the environment?	
Yes	

Contaminants Table

Contaminant Name	Description	Code	UN#	Limit	Quantity	[units]	[freq]
NATURAL GAS (METHANE)		35	1075		0	other - see incident description	

Environmental Compliance Reporting (ECR)

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?
(legislation, certificate of approval, order, or guideline)
No

Voluntary / Mandatory Abatement

Was there Non-Compliance/Non-Conformance Identified?	☐ Yes ☒ No
Voluntary / Mandatory Abatement Items	
Not Available	

Waste / EGR Information

Waste / EGR Information entries:
Not Available

Document Related Information

Cross Reference:	(doc link)	Task Link:	2077-ACMMZZ 
-------------------------	------------	-------------------	---

Originating Document:		Created by:	Julian Aristizabal
Date Created:	2016/08/08	Date Completed:	2016/08/16
Office Receiving Incident Report:	Spills Action Centre	Incident Info Received By:	Julian Aristizabal
Bring Forward Date:		Bring Forward Reason:	

Signatures

Provincial Officer:

Name:	Julian Aristizabal
Badge No:	
Work Unit:	
District/Area Office:	Spills Action Centre
Date:	2016/08/08
Signature:	

Supervisor Planning and Response:

Name:	Bruce Carlin
Work Unit:	
District/Area Office:	
Date:	2016/08/16
Signature:	



TANGER OUTLETS OTTAWA
Physical Address: 8555 CAMPEAU DR, , OTTAWA,
ON K2S 1B9

INSPECTION REPORT

Entity: RIOCAN MANAGEMENT INC.
Inspection Start Date: August 15, 2024
Inspection End Date: March 28, 2025
Inspected By: Nicole Yetman
Badge #: 1115



(signature)

We want to hear from you. How was my service? You can provide feedback at
1-888-745-8888 or [Ontario.ca/inspectionfeedback](https://ontario.ca/inspectionfeedback)

NON-COMPLIANCE

This should not be construed as a confirmation of full compliance with all potential applicable legal requirements. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: WASTE | **Regulated Activity:** Source Separation

ONTARIO PORTFOLIO LIST WITH ADDRESSES MOE WASTE AUDIT PROJECT COMPLIANT PARTICIPATING SITES ONTARIO REGULATIONS 102/94 AND 103/94											
TANGER OUTLETS - OTTAWA	Eric Topolnicky	Sara Boisvert	Outlet Shopping Centre	8555 CAMPEAU DRIVE	OTTAWA	Eastern & Northern Ontario	K2T 0K5	Ontario	340.983	1: 676	Compliant with O.Regs. 102/94, 103/94

2024 Waste Audit

Prepared for:

Sara Boisvert

General Manager, Operations

RioCan - Tanger Outlets

Ottawa | Ontario

Prepared by:

Carol Colautti

Senior Auditor

Strategy
WCR Inc.

August 29/30, 2024

Strategy Waste Cost Reduction, Inc. | Woodlawn, Ontario

613-850-3646 | carol@ontariowasteaudits.com

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Attachments: MOECP Waste Audit and Waste Reduction Plan Reports



Waste Audit Overview

RioCan retained Strategy WCR to perform a waste audit at Tanger Outlets located at 8555 Campeau Drive in Ottawa. The purpose of the audit was as follows:

- ☛ To identify and quantify waste and recycling composition, and detail its current pathways away from the facility
- ☛ To outline current environmental sustainability success and develop an improvement plan for the future
- ☛ To identify anomalies in material handling costs, opportunities for waste diversion, plus possible savings in time and expenditures
- ☛ To ensure compliance with MOECP Regulation 102/94 and 103/94; LEED and BOMA

Methodology

Strategy obtained information prior to the audit process to document overall operations and current waste and recycling management, develop an understanding of any unique waste and recycling service procedures, and to devise a feasible plan for a waste audit. This audit was performed over a two day period on August 29 and 30. Auditors thoroughly separated all collected materials into 32 types, weighing and documenting each category, and photographing sample groupings. Annual waste calculations for each category of audited waste and recycling are estimated based on the 24-hour collection and information provided by GFL. Most tenants operate 7 days a week with the exception of 9 statutory holidays per year. The annual breakdown of individual materials, unless otherwise specified, is an estimate based upon audit findings.

Marshalls, Off Fifth and Chick-Fil-A manage their own waste and recycling and are therefore not included in this audit.

The 24-hour audit provides a snapshot of the overall categories and their estimated annual weights. Those numbers are professionally assessed in combination with additional information Strategy collects (when available), such as:

- ☛ Tracking records and company reports for recycling/reuse efforts concerning pallets, scrap metal, shredded paper, e-waste/printer cartridge programs, fluorescent lighting and battery collection
- ☛ Reported waste and recycling weights obtained from service providers

Strategy's audited tabulations and all of the related additional figures are analyzed to identify ways to reduce waste, enhance recycling efforts and determine potential cost savings. Finally, the data is reported in the annually-required MOECP Waste Audit and Waste Reduction Work Plan forms, as detailed in the province's waste audit law, Ontario Regulation 102/94, which helps set the signature-certified waste-handling guidelines for the year ahead.



Compliance with both O. Reg. 102/94, and its adjunct, source-separation law O. Reg. 103/94, are required when a retail complex occupies a floor area of at least 10,000 square metres, and is situated in a local municipality with a population of at least 5,000. Material categories for this audit are established in accordance with waste handling as detailed in Part II of O. Reg. 103/94:

O. Reg. 103/94 PART II. RETAIL SHOPPING COMPLEXES

1. Aluminum food or beverage cans (including cans made primarily of aluminum).
 2. Cardboard (corrugated).
 3. Fine paper.
 4. Glass bottles and jars for food or beverages.
 5. Newsprint.
 6. Steel food or beverage cans (including cans made primarily of steel).
-

The law requires RioCan to make reasonable efforts to ensure the above six categories are reused or recycled, but it is based upon the recycling capabilities during the statute's creation 30 years ago. Strategy has expanded these source separation categories to represent the recycling capabilities of today, and also separates materials based upon the upcoming recycling possibilities of the future. For this audit, Strategy broadly divided materials into metal; fibre; plastic; organic; an "Other" category representing additional reuse/recycling opportunities such as containers in Ontario's Deposit Return Program; Juice/Milk cartons; and finally, a "Site-Specific" grouping that contains categories somewhat unique to this property. Those broad categories, with an addition of non-recyclable food packaging and miscellaneous waste, were subdivided and tabulated into 32 groups that were examined and combined in numerous calculations that highlight important findings of the audit.

Holding true to sustainable, environmentally aware principles, portions of this report are intended for screen-friendly review rather than printing, like the following page, a tabloid-sized "Audit Sort Sheet," which efficiently details the copious itemization of all weights of waste and recycling materials of the audit. By law, only the MOECP forms are currently required to be printed, signed, and posted at the facility to ensure employees can see them, and the last five years of MOECP forms must be stored in a way that they could be given to Ministry officials within seven days of an official request to see them.

Strategy encourages officials at RioCan to review the report, follow the concepts that are viable, and offer ideas and tactics to improve waste reduction plans in the years ahead, as the facility moves toward its waste reduction and diversion rate targets.



August 29 & 30, 2024												
Audit Sort Sheet												
RioCan - Tanger Outlets												
Categories of Waste												
	Audited Waste	Audited Recycled	24-Hour		Percent by Weight		Estimated Annual *					
			Adjusted Waste**	Adjusted Recycled**	Adjusted Total	%	Waste Weight	Recycled Weight	Total Weight			
			kgs					kgs	MT			
Metal	Aluminum food/beverage cans & foil	2,453	1,755	4,879	6,634	0.439	624,780	1,737,000	2,361,780			
	Steel food/beverage containers	5,567	3,983	6,831	10,814	0.716	1,417,948	2,431,800	3,849,748			
	Scrap Metal	1,119	0.801		0.801	0.053	285,156		0.285			
	Cardboard	17,670	12,641	652,854	665,495	44.076	4,500,196	232,416,000	236,916,196			
Fibre	Boxboard	11,310	8,091	72,539	80,630	5.340	2,880,396	25,824,000	28,704,396			
	Fine Paper	7,264	5,197	2,928	8,125	0.538	1,850,132	1,042,200	2,892,332			
	Newsprint/Packing Paper	97,415	69,689	9,108	78,797	5.219	24,809,284	3,242,400	28,051,684			
	Glossy magazines, flyers/posters	13,256	9,483	4,229	13,712	0.908	3,375,948	1,505,400	4,881,348			
Plastic	PET (1) plastic food/beverage cont.	10,024	7,171	7,319	14,490	0.960	2,552,876	2,605,800	5,158,376			
	HDPE (2) plastic jugs	5,834	4,174	9,271	13,445	0.890	1,485,944	3,360,300	4,786,244			
	LDPE (4) plastic film	133,849	95,754	14,638	110,392	7.311	34,088,424	5,211,000	39,299,424			
	PP (5) Polypropylene	8,802	6,297	2,928	9,225	0.611	2,241,732	1,042,200	3,283,932			
	PS (6) Polystyrene (rigid)	0,459	0,328		0,328	0.022	116,768		0.117			
	PS (6) Polystyrene (foam)	10,536	7,537		7,537	0.499	2,683,172		2,683			
	(7) Other plastic	0,300	0,215		0,215	0.014	76,540		0.077			
	Organics	144,213	103,168		103,168	6.833	36,727,808		36,728			
	Paper towels	38,552	27,580		27,580	1.827	9,818,480		9,818			
	Liquid	18,213	13,029		13,029	0.863	4,638,324		4,638			
Other	Alcohol containers	0,014	0,010		0,010	0.001	3,560		0.004			
	Glass food/beverage bottles	4,525	3,237	1,952	5,189	0.344	1,152,372	694,800	1,847,172			
	Juice/Milk Cartons	9,457	6,765	0,976	7,741	0.513	2,408,340	347,400	2,755,740			
	Paper coffee cups	8,656	6,192		6,192	0.410	2,204,352		2,204			
	Wood/Skids			182,584	182,584	12.093	65,000,000		65,000			
	E-Waste	5,436	3,889		3,889	0.258	1,384,484		1,384			
	Spent lighting tubes/bulbs/ballasts	0,043	0,031		0,031	0.002	11,036		0.011			
	Batteries	0,014	0,010		0,010	0.001	3,560		0.004			
	Expired/damaged merchandise	25,090	17,949		17,949	1.189	6,389,844		6,390			
	Diapers	3,211	2,297		2,297	0.152	817,732		0.818			
Site Spec.	Hangers	21,074	15,076		15,076	0.998	5,367,056		5,367			
	Compostable food pkg.	8,454	6,048		6,048	0.401	2,153,088		2,153			
	Shoes/textiles	6,123	4,380		4,380	0.290	1,559,280		1,559			
	Desiccants	4,786	3,424		3,424	0.227	1,218,944		1,219			
Unrecyclable food packaging		82,736	59,188		59,188	3.920	21,070,928		21,071			
	Miscellaneous unrecyclable waste	43,985	31,466		31,466	2.084	11,201,516		11,202			
TOTALS:			750,440	536,857	973,034	1,509.89	100.00%	191,120.00	346,400.00	537,520.00	537.52	64.4%
Recyclables in Waste Stream			Organics in Waste Stream				95+% Zero Waste					
*Annual waste calculation based upon 24-hour average collection of materials generated, multiplied by 356 days.												
**In some instances, audited tabulations were increased or decreased based upon reported weights, or by applying empirical suppositions outlined in the report so that Estimated Annual amounts coincide with hauler and facility-reported annual totals.												
***Any recycled totals indicate handling by means other than landfill, i.e.: feedstock, compost, dehydrator, grey water, etc.												
DIVERSION OPPORTUNITIES												
ORGANIC MATERIALS FOUND IN WASTE										Annual Weight kgs		
										53,337.70		
RECYCLABLE MATERIALS FOUND IN WASTE										85,369.48		
TOTAL DIVERSION OPPORTUNITIES										138,607.18		

GFL Reported Weights (M.T.) (October 1, 2023 to March 31, 2024)

Site Name	Meter Type	Start Date	End Date	WEIGHT (MT)	WASTE	CARDBOARD	GMP	TOTAL
Tanger Outlets - Ottawa	Disposed - Trash	01/10/23	31/10/23	15.55	15.550			15.550
	Recycled - Cardboard/Corrugated Containers	01/10/23	31/10/23	26.70		26.700		26.700
	Recycled - Mixed Recyclables	01/10/23	31/10/23	1.87			1.870	1.870
	Disposed - Trash	01/11/23	30/11/23	21.96	21.960			21.960
	Recycled - Cardboard/Corrugated Containers	01/11/23	30/11/23	31.85		31.850		31.850
	Recycled - Mixed Recyclables	01/11/23	30/11/23	3.67			3.670	3.670
	Disposed - Trash	01/12/23	31/12/23	19.93	19.930			19.930
	Recycled - Cardboard/Corrugated Containers	01/12/23	31/12/23	22.22		22.220		22.220
	Recycled - Mixed Recyclables	01/12/23	31/12/23	0.82			0.820	0.820
			SUB-TOTAL	144.566	57.440	80.770	6.360	144.570
	Disposed - Trash	01/01/24	31/01/24	11.35	11.350			11.350
	Recycled - Cardboard/Corrugated Containers	01/01/24	31/01/24	14.51		14.510		14.510
Tanger Outlets - Ottawa	Recycled - Mixed Recyclables	01/01/24	31/01/24	2.10			2.100	2.100
	Disposed - Trash	01/02/24	29/02/24	16.84	16.840			16.840
	Recycled - Cardboard/Corrugated Containers	01/02/24	29/02/24	18.92		18.920		18.920
	Recycled - Mixed Recyclables	01/02/24	29/02/24	0.97			0.970	0.970
	Disposed - Trash	01/03/24	31/03/24	9.93	9.930			9.930
	Recycled - Cardboard/Corrugated Containers	01/03/24	31/03/24	14.92		14.920		14.920
	Recycled - Mixed Recyclables	01/03/24	31/03/24	2.15			2.150	2.150
			SUB-TOTAL	91.690	38.120	48.350	5.220	91.690
			6 MONTH TOTAL	236.256	95.560	129.120	11.580	236.260
			AVG/MONTH	39.376	15.927	21.520	1.930	39.377
			ESTIMATED ANNUAL	472.512	191.120	258.240	23.160	472.520

Note: GFL took over the contract for waste and recycling removal in October 2023, so a full year of data was not available. They only provided a combined total weight for all compactors per month for a six month period, therefore an average was used to estimate the total year weights.

Audited Waste by Area (kgs)

	TW 02	TW 03	TW05	
	30 CY	30 CY	30 CY	
WASTE CATEGORY	COMPACTOR	COMPACTOR	COMPACTOR	TOTAL WASTE
Aluminum food/beverage cans & foil	0.509	0.296	1.648	2.453
Steel Containers	1.459	0.355	3.754	5.567
Scrap metal	0.681		0.438	1.119
Cardboard	5.414	7.326	4.929	17.670
Boxboard	5.489	1.218	4.604	11.310
Fine Paper	3.286	2.412	1.566	7.264
Newsprint/packing paper	43.795	31.418	22.202	97.415
Glossy magazines/flyers/posters	7.555	3.183	2.518	13.256
PET (1) plastic food/beverage containers	3.724	1.578	4.722	10.024
HDPE (2) plastic jugs, crates, totes	2.506	0.111	3.217	5.834
LDPE (4) plastic film	66.044	42.108	25.697	133.849
PP (5) Polypropylene	3.489	0.852	4.461	8.802
PS (6) Polystyrene (rigid)	0.104	0.179	0.176	0.459
PS (6) Polystyrene (foam)	4.165	3.794	2.577	10.536
(7) Other plastic	0.178		0.122	0.300
Organics	71.691	12.169	60.353	144.213
Paper towels	14.850	8.400	15.303	38.552
Liquid	7.834	1.940	8.440	18.213
Alcohol containers		0.014		0.014
Glass food/beverage bottles	1.518	0.769	2.239	4.525
Tetra (milk/juice containers)	4.583	1.437	3.437	9.457
Paper coffee cups	4.348	2.756	1.552	8.656
E-Waste	0.214	5.222		5.436
Fluorescent			0.043	0.043
Batteries	0.014			0.014
Expired/damaged merchandise	6.023	10.941	8.126	25.090
Diapers	1.502	1.088	0.621	3.211
Hangers	12.069	7.550	1.455	21.074
Medical/Salon/PPE	5.383	0.072	1.651	7.106
Compostable food packaging	3.459	2.597	2.398	8.454
Shoes/textiles	3.890	1.754	0.479	6.123
Desiccants	2.023	1.701	1.062	4.786
Food packaging	27.999	9.912	44.825	82.736
Misc. Waste	15.329	7.951	13.600	36.880
Total Audited Waste (24 hour)	331.126	171.103	248.214	750.44
Share of Total Audited Waste	44.12%	22.80%	33.076%	100.00%
Estimated Annual Waste by area (adjusted)	84,330.029	43,575.868	63,214.103	191,120.00
24 HOUR DIVERSION OPPORTUNITIES (Recyclable materials found in the waste)				
Organic materials found in waste	97.834	25.106	86.493	209.433
Recyclable materials found in waste	150.562	98.478	85.772	334.812
Total Diversion Opportunities	248.396	123.584	172.265	544.245
Percentage of Recyclables in Waste	75.02%	72.23%	69.40%	72.52%

Waste Audit Summary

ESTIMATED TOTAL GENERATED AUGUST 01, 2023 TO JULY 31, 2024

Landfilled waste plus recycled/re-used materials

537,520.00 kgs

LANDFILLED

**All materials, both waste and recyclables
that were sent to the landfill**

191,120.00 kgs

RECYCLABLES IN THE WASTE

**Recyclable materials that were sent to
landfill**

**138,607.18 kgs of the 191,120.00 kgs
landfilled could have been recycled**

RECYCLED / RE-USED

**Total volume of materials captured for
recycling / re-use**

346,400.00 kgs

35.6%

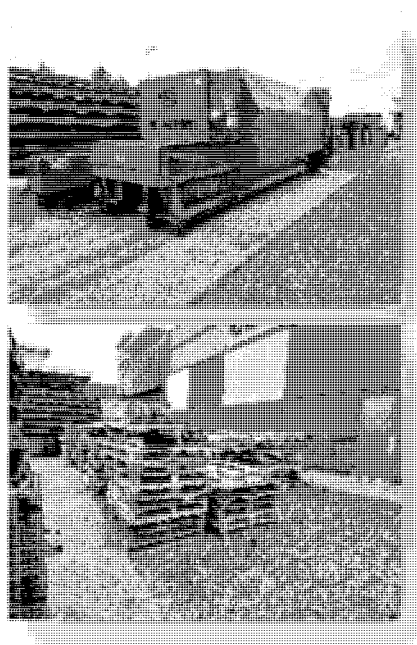
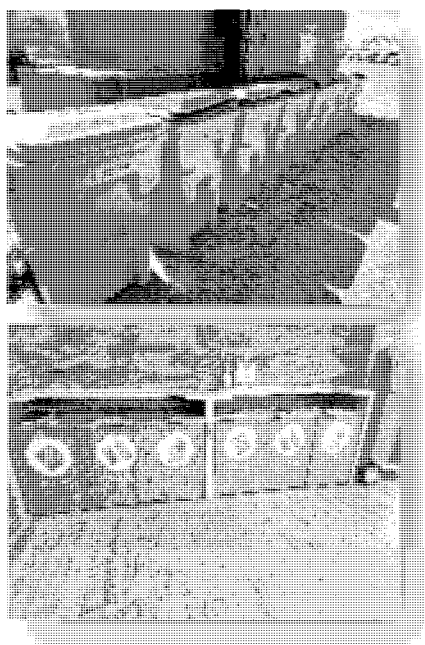
72.52 %

64.4%

Recycling Processes and Equipment

Recycling receptacles for customers are located in common areas. Tenants are responsible for bringing their recycling to their designated collection areas.

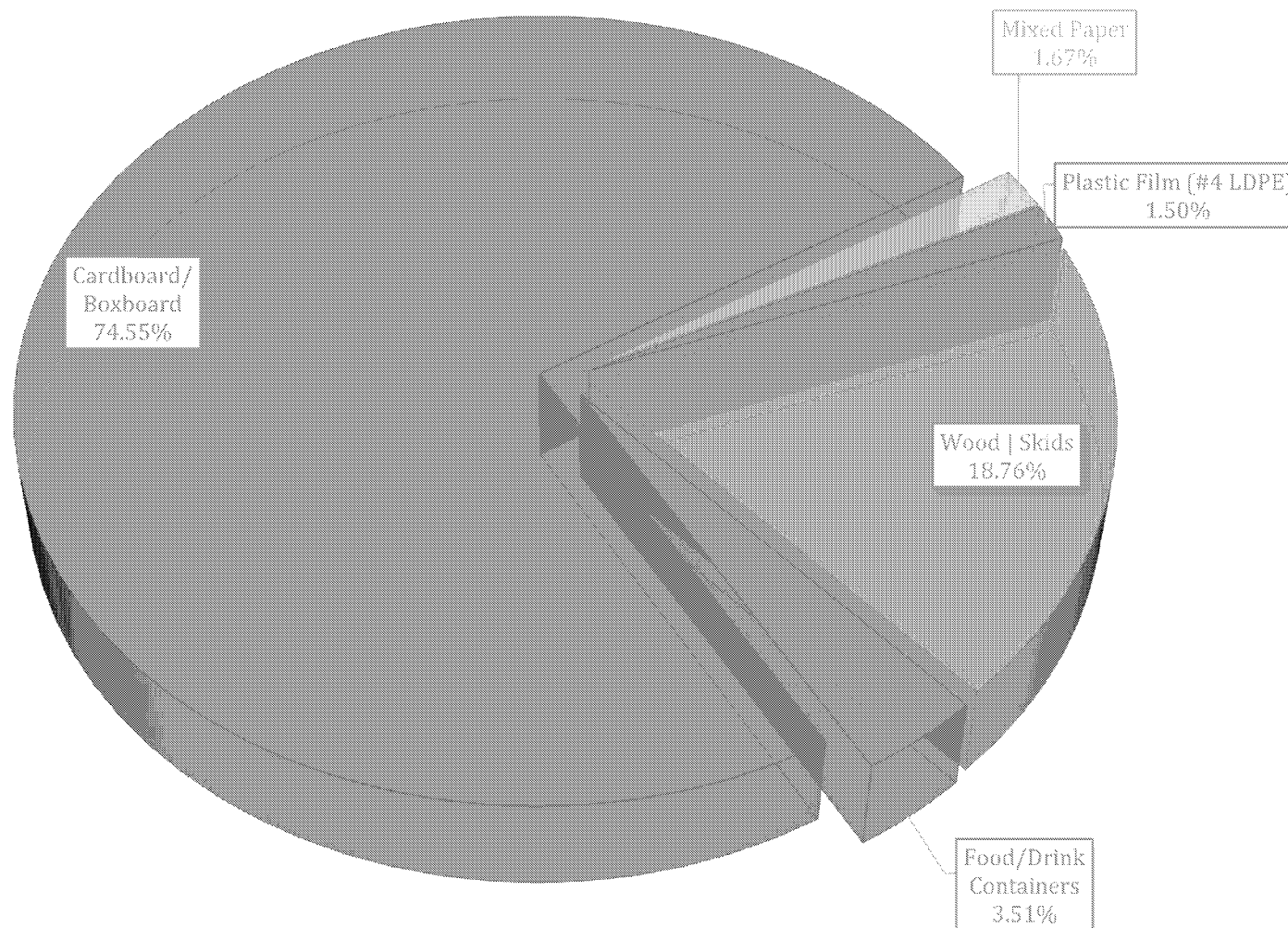
RioCan provides 30 cy cardboard compactors and six 95 gallon totes for the collection of mixed paper, food and beverage containers and plastic film in five areas for tenant use. All are serviced by GFL. Pallets are stored in a designated area and collected by independent contractors.



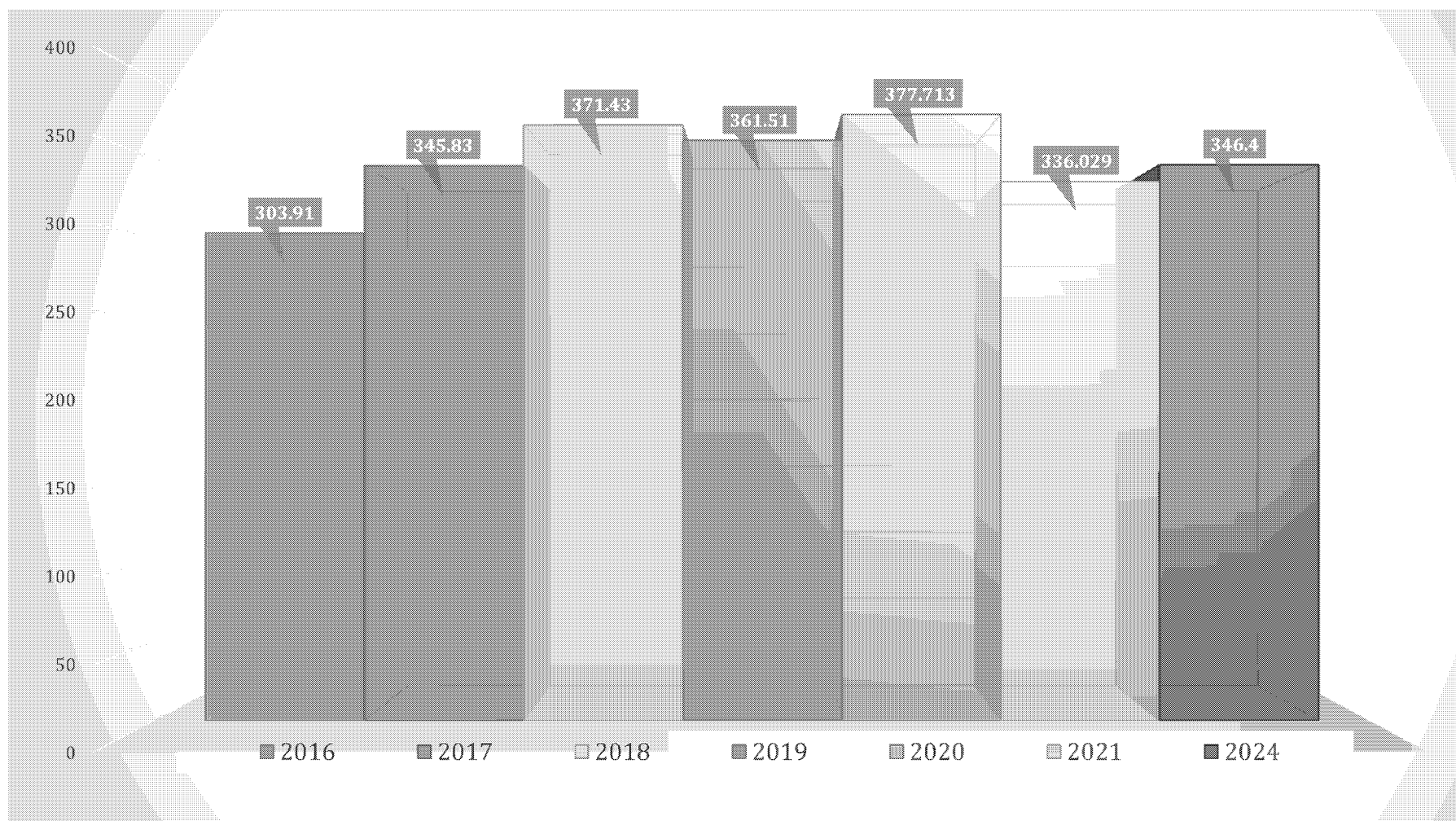
Annual Recycling Suppositions The following annual suppositions coincide with details highlighted on the Audit Sort Sheet on Page 5 of this report.

Category	Details	Annual Weight (kgs)
Cardboard/Boxboard	Reported weight provided by GFL from August 1, 2023 to July 31, 2024 Estimated that 10% of the total was boxboard	258,240.00
Glass/metal/plastic And Mixed paper	Reported weights provided by GFL for mixed recycling. Estimated 75% was containers/shrink wrap. Estimated 25% was mixed paper – see page 8	23,160.00
Pallets	Estimated an average of 50 pallets per week @ an average of 25 kgs per pallet collected for re-use/recycling	65,000.00
TOTAL		346,400.00

Recycled Materials Breakdown



Annual Comparison of Materials Recycled (Metric Tonnes)



NOTE: The years above represent the year that the audits were conducted. Data may include information from the previous year in order to have the most recent twelve months of reported weights.

How to Reduce and Divert Waste Using the 5R's

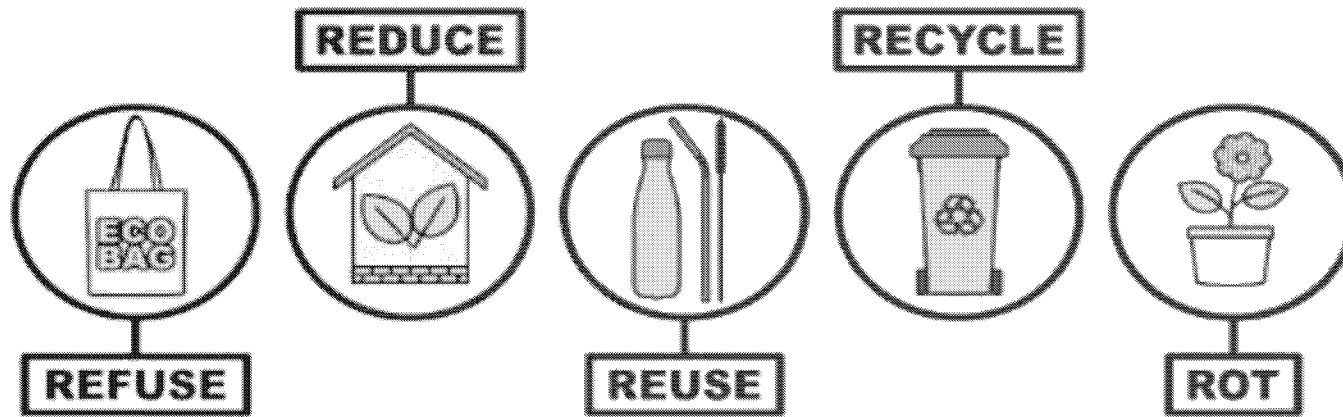
REFUSE non-environmentally friendly products or products that come with excessive packaging. Avoid making unnecessary purchases. Request returnable containers from suppliers.

REDUCE waste by examining what workplace policies can be altered to conserve resources. Can you make double-sided printing default on all printers? Print only what is necessary and collect paper that has been used on one side for notepaper? Purchase commonly used cleaning supplies and kitchen items like sugar and creamer in bulk. Cancel unwanted subscriptions.

REUSE encourage staff/tenants to bring their own dishes, mugs and utensils to reduce the need for single use products. Host an in-house auction for office supplies, furniture and equipment that are no longer needed in the office. Many charities would appreciate many of these items also. Cardboard boxes and other packaging materials can be re-used internally or offered to employees/tenants for personal use (i.e. for moving etc.)

RECYCLE cardboard, mixed paper products, plastics, aluminum, glass, scrap metal, e-waste, batteries, wood/pallets, etc.

ROT organic materials like food waste, paper towels, compostable food packaging, leaves and grass can be composted.



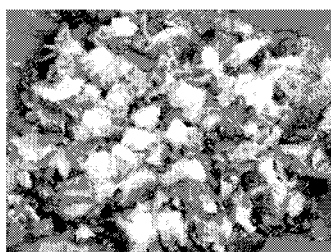
Key Activities for an Effective Recycling Program

PARTICIPATION	EDUCATION	ESTABLISH BASELINE	SET GOALS	TRACK RESULTS	POST RESULTS	ENCOURAGE SUGGESTIONS	EXPAND RECYCLING PROGRAM
•Effective recycling programs require participation from the tenants	•Ensure everyone has a clear understanding of what is and is not accepted as recyclable and where everything goes through signage and regular communication via email, newsletters etc.	•Establish a baseline (i.e. after a waste audit is a good time) to determine what the diversion and capture rates are and show what areas need improvement	•Set attainable goals to: •Increase diversion rate •Increase re-use/recycling •Decrease materials to landfill •Timeframe •Update as goals are met	•Track results on a regular basis in order to address problem areas quickly as well as to show progress	•Post results regularly to help retain interest and participation	•Encourage suggestions on how to improve or expand on current initiatives •Initiate a contest for the best ideas and best recyclers	•Initiate new programs to accommodate recyclable materials currently being landfilled

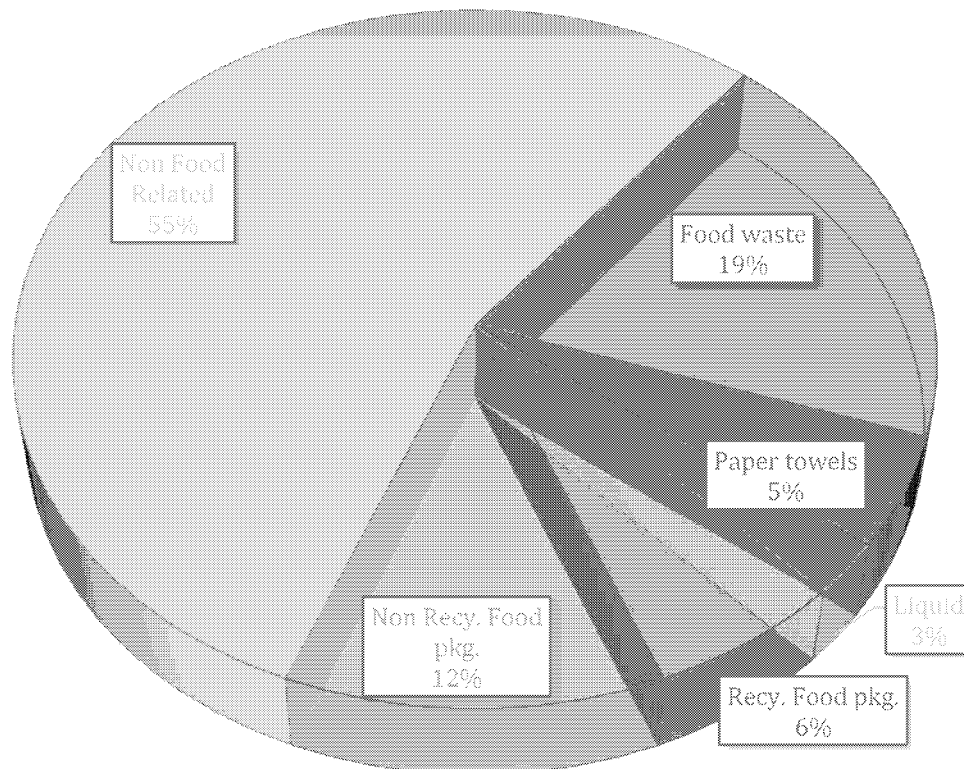
Organics Material Handling

There is currently no organics program at Tanger Outlets. As compostable materials represents an estimated 27.9 % of the landfilled waste, establishing a program would help to increase overall diversion rates.

Material (annual kgs)	Diverted	Landfilled
Organics (food waste):		36,727.808
Paper towels:		9,818.480
Liquid:		4,638.324
Other Compostable:		2,153.088
Total weight:		53,337.70



Photos taken during the show samples of compostable materials found in the waste



Based on audit findings 45% of the waste generated at Tanger Outlets is food related. This includes food waste, recyclable and non-recyclable food packaging, liquid, paper towels and coffee grounds



Diverting Organic Waste

For many businesses, organic waste can represent a substantial percentage of the overall waste stream. Depending on the volume and type of organic material generated there are several options available:

DONATION | RESCUE

- For generators of edible food waste, food donation is an excellent option as it helps worthy causes and keeps food waste out of the landfill.
- Here are just a few examples:
 - <https://secondharvest.ca/>
 - <https://foodforlife.ca/>
 - <https://foodbankscanada.ca/>
 - <https://roadtozerowaste.org/>

TOTES

- Most haulers offer a tote collection service for organic materials that will typically include food waste, paper towels and compostable food packaging

ON-SITE EQUIPMENT

- There are various types and sizes of equipment on the market that provide the ability of processing food waste on-site, such as dehydrators, and composters.
- <https://foodcycler.com>
- <https://foodwasteinc.com>
- <https://fs-sustainability.com/food-waste-dehydrator/>
- <https://www.waste360.com/food-waste/dehydrators-next-generation-food-waste-machines>



Waste Processes and Equipment

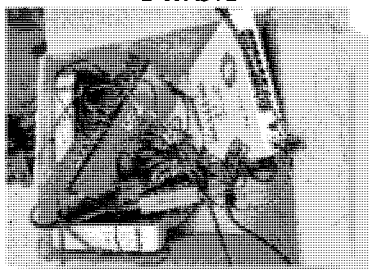
GFL provides waste removal services at Tanger Outlets. Tenants are responsible for bringing their waste to one of the three 30 CY Compactors.



LDPE # 4 PLASTIC



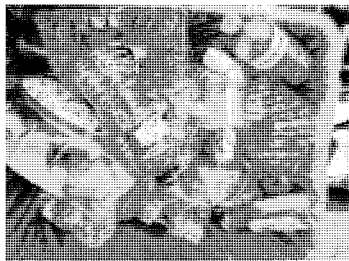
E-WASTE



CARDBOARD



PET # 1 PLASTIC



Examples of
recyclables found in
the waste during the
audit

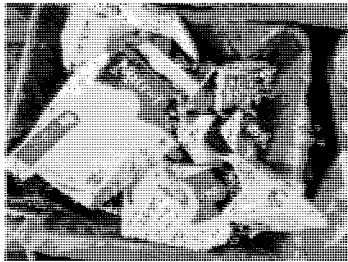
ALUMINUM CANS



PACKING PAPER



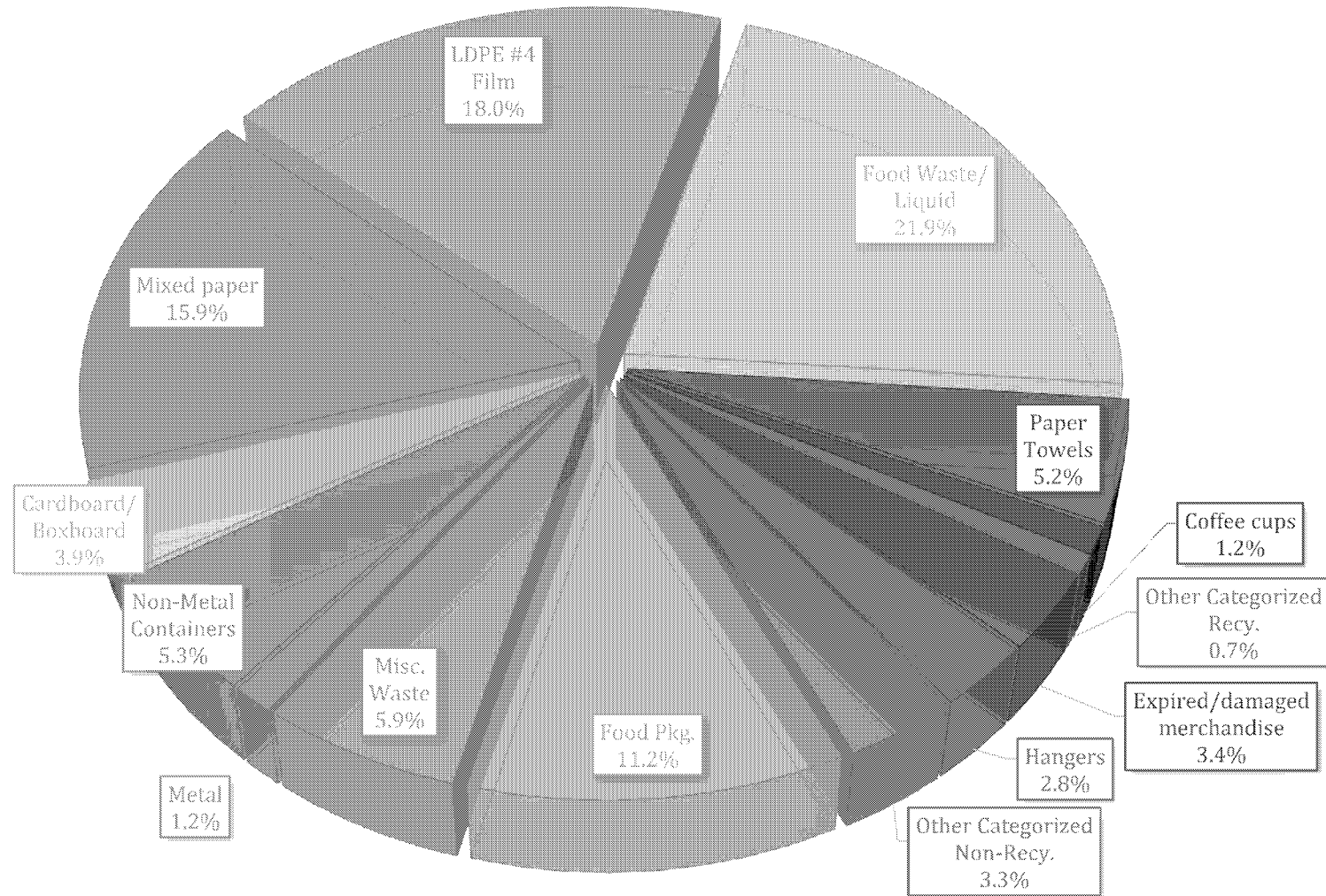
MILK/JUICE CONTAINERS



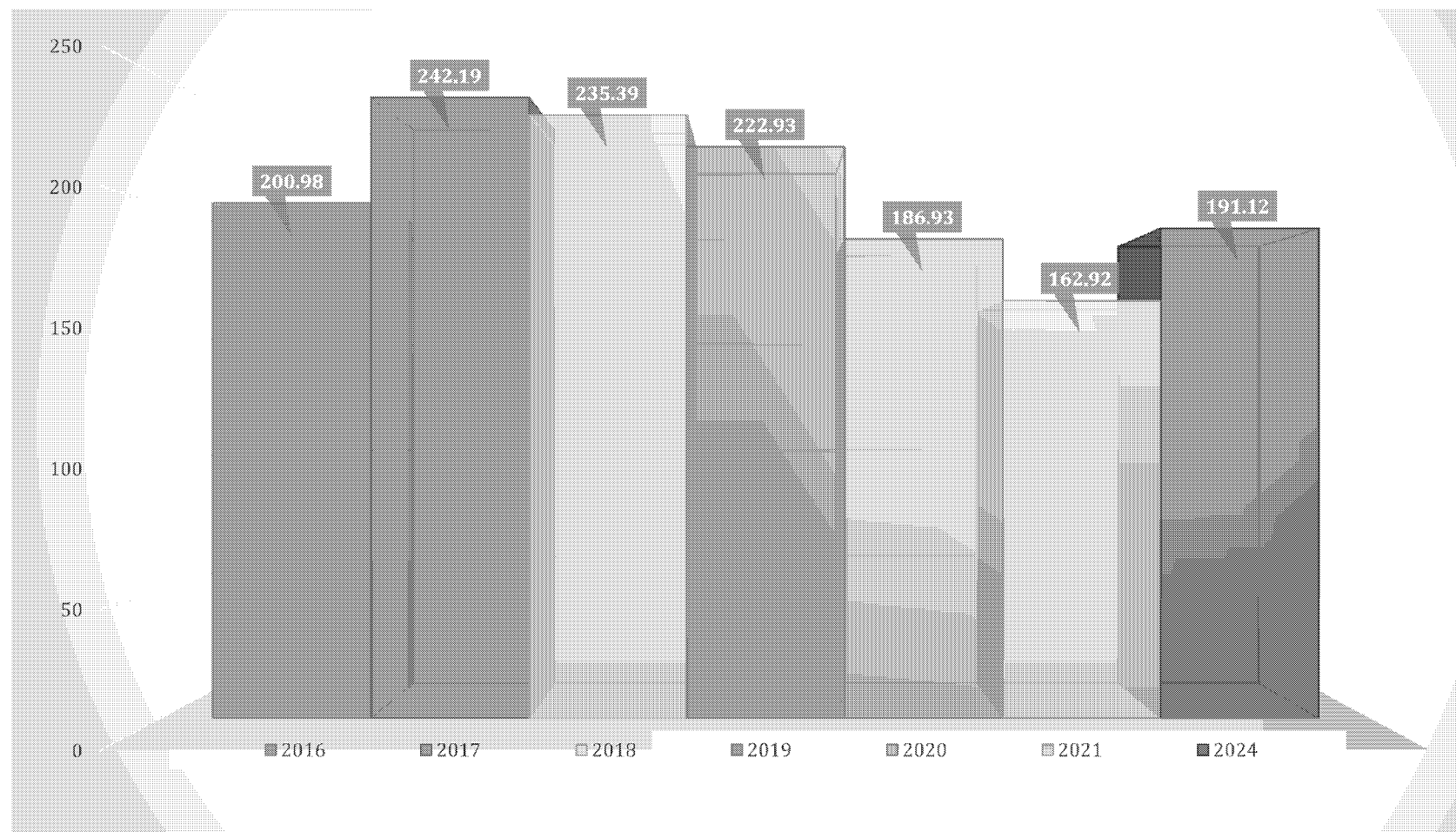
BOXBOARD



Breakdown of Materials Landfilled



Annual Comparison of Landfilled Materials (Metric Tonnes)



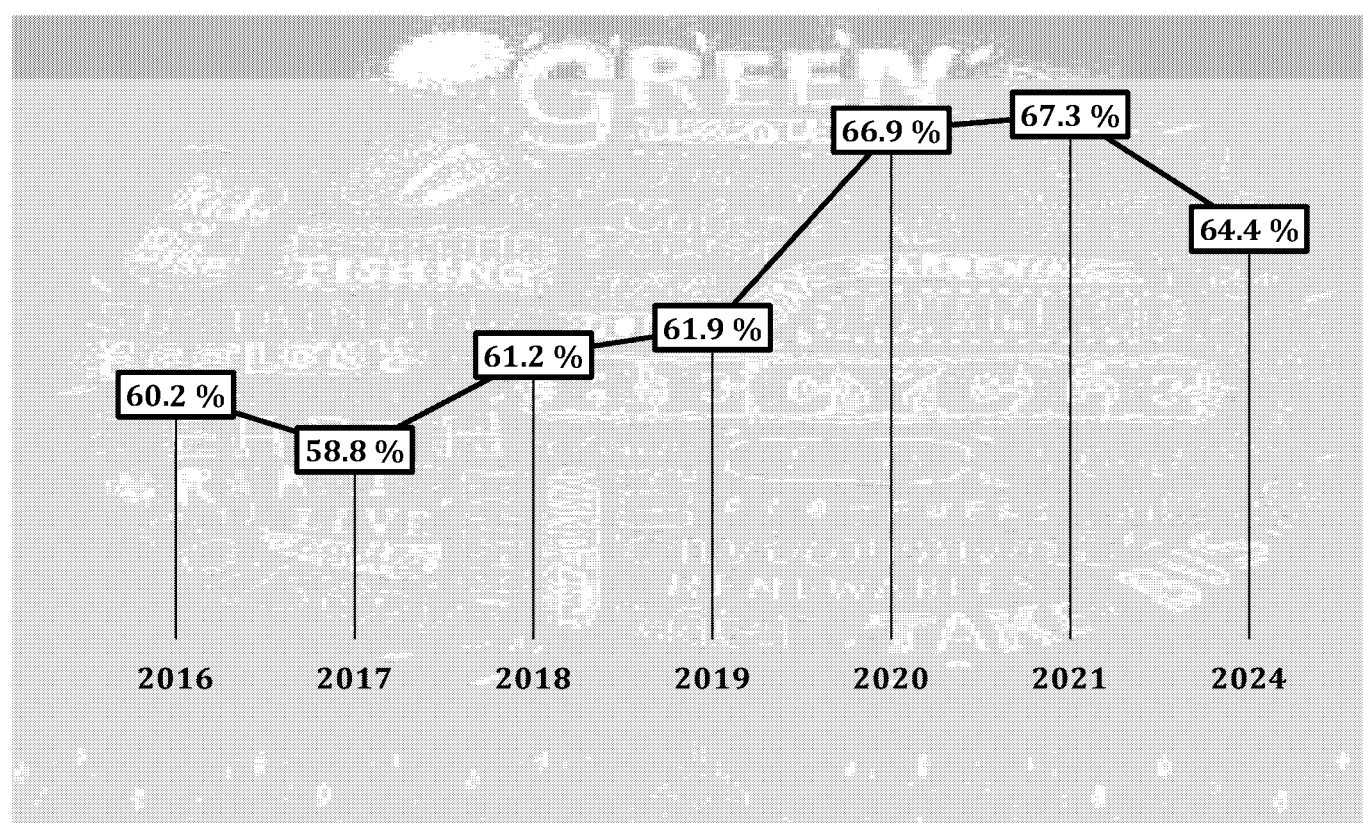
NOTE: The years above represent the year that the audits were conducted. Data may include information from the previous year in order to have the most recent twelve months of reported weights.

Estimated Annual Diversion Opportunities

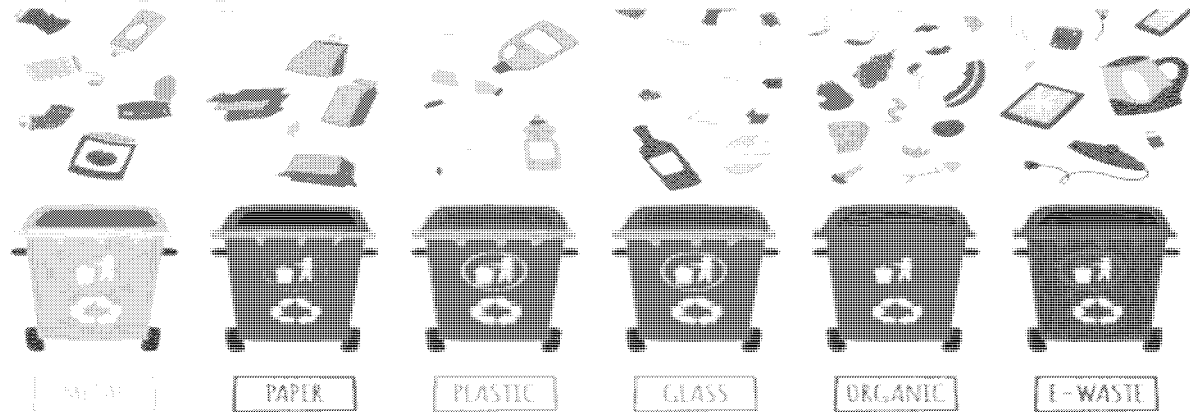
The audit revealed recyclable materials like food waste, paper towels, co-mingled containers, and fibres (paper products), that could have been diverted from the landfill. Capturing any or all of these materials would help to increase your diversion rate.

Diversion Material	Estimated Annual (kgs)	Estimated Annual (MT)	Percentage of Landfill
Recyclable Containers (Aluminum, Steel, Plastic, Glass, Milk/Juice Cartons)	12,080.86	12.08	6.32%
Scrap Metal	285.16	0.29	0.15%
Cardboard Boxboard	7,380.59	7.38	3.86%
Fine Paper Newsprint Glossy Paper	30,035.36	30.04	15.72%
LDPE (4) plastic film	34,088.42	34.09	17.84%
Organics Liquid	41,366.13	41.37	21.64%
Paper Towels	9,818.48	9.82	5.14%
CFL's E-Waste Batteries	1,399.08	1.40	0.73%
Compostable food pkg	2,153.09	2.15	1.13%
Totals:	138,607.18	138.61	72.52%

Annual Diversion Rate Comparison



Capture Rate



The Capture Rate indicates the effectiveness of a recycling program by showing what percentage of divertible materials are actually being diverted. However the Capture rate and Diversion rate are essentially the same thing for materials that are divertible from the landfill through recycling/composting or re-use. The main difference is that to calculate the Capture Rate you only use weights from materials that are divertible through recycling, composting or re-use, whereas the Diversion Rate also includes materials that are not divertible.

Capture Rate Calculation:

$$[A / (A + B)] \times 100$$

A = Annual volume of divertible materials diverted from landfill

B = Annual volume of materials that could have been diverted but were landfilled

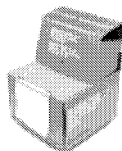
RECYCLABLE MATERIAL	TOTAL GENERATED		CAPTURE RATE
	RECYCLED		
ANNUAL KGS			
Cardboard Boxboard	265,620.592	258,240.00	97.22%
Mixed paper	35,825.364	5,790.00	16.16%
Glass/metal/plastic containers	24,239.860	12,159.00	50.16%
Organics	36,727.808	-	0.00%
Paper towels	9,818.480		0.00%
Liquid	4,638.324		0.00%
Other compostable	2,153.088	-	0.00%
Scrap Metal	285.156	-	0.00%
LDPE (4) plastic film	39,299.424	5,211.00	13.26%
Batteries E-Waste CFL's	1,399.08		0.00%
TOTAL (KGS)	485,007.18	346,400.00	71.42%



Recycling Resources

BATTERIES.

<https://www.call2recycle.ca/ontario/>



CANADA'S ZERO PLASTIC WASTE AGENDA

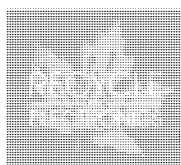
<https://www.canada.ca/en/environment-climate-change/services/managing-reducing-waste/reduce-plastic-waste/canada-action.html>

CANADIANENVIRONMENTAL.COM is Canada's comprehensive business to business hub for environmental professionals. Includes links to a Marketplace, Legislation, Solution Board Waste Exchange and more.
<http://canadianenvironmental.com/>

COOKING OIL/GREASE

<https://sanimax.com/>

<https://www.darlingii.ca/our-services/used-cooking-oil-collection>



E-WASTE: Resources inside electronic devices can be safely recycled and reused.
<https://www.recyclemyelectronics.ca/on/>

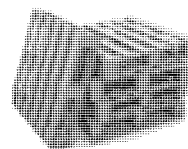
FLUORESCENTS: <https://takebackthelight.ca/>

HABITAT FOR HUMANITY CANADA. Accepts new and gently used **APPLIANCES, FURNITURE, BUILDING MATERIALS AND HOUSEHOLD GOODS** from individuals and companies.
<https://habitat.ca/en/restore>

ONTARIO WASTE EXCHANGE NETWORK:

Wastechange.com has been established as a Waste Exchange Network to promote waste diversion.
<https://www.wastechange.com/cgi-bin/freexchange.cgi?gid=100261>

PALLETS. Here are a few companies that offer pallet pickup across Canada. There are other local options such as Kijiji for lesser volumes.
www.palletrecycling.ca
<https://citypallets.ca>
<https://palletpickup.ca>



PLASTIC RECYCLING:

Canadian Plastic Recyclers Directory
<https://www.recyclingplasticwaste.com/recyclers/canada/index-ontario.html>

PLASTIC, STEEL & FIBRE DRUMS.

Greenland Environmental & Recycling Services Inc.
905-516-1877



<https://everycartridge.com/canada>

RECYCLING COUNCIL OF ONTARIO: Informs and educates about the generation of waste, the avoidance of waste and more efficient use of resources <https://rco.on.ca/>

RECYCLING PROGRAMS BY CATEGORY:

<https://www.canada.ca/en/environment-climate-change/services/managing-reducing-waste/overview-extended-producer-responsibility/inventory-recycling-programs.html>

RESOURCE PRODUCTIVITY & RECOVERY

AUTHORITY is the regulator mandated by the Government of Ontario to enforce the province's circular economy laws (i.e. Ontario's **new BLUE BOX PROGRAM**). <https://rpra.ca/>
And hazardous waste <https://rpra.ca/programs/hazardous-and-special-products/>

<https://wrwcanada.com/en>



Suggestions

TRACK WASTE AND RECYCLING VOLUMES – Setting up a tracking system for monitoring waste and recycling volumes on a monthly basis provides the opportunity to regularly review the effectiveness of your recycling initiatives and enable you to quickly address any issues that may arise.

KEEP IT CLEAN – REDUCING RECYCLING CONTAMINATION - What is recycling contamination? In short, it's anything other than what you are specifically trying to collect for recycling.

Why contamination matters - Contaminates have negative consequences for your recycling program. Here are just a few examples:

- ④ **Degrading material values and reducing recycling rebates**—Contamination, even if the contaminant is itself recyclable, will degrade the quality of your recyclables, which in turn lessens their market value.
- ④ **Causing an inability to recycle**—if there are too many contaminants in a recycling load, sometimes the recycling service provider will not accept the materials or recycling and the items will be sent to the landfill.
- ④ **Breaking recycling machinery**—not all recycling machinery is equipped to take all types of material. Some items, like plastic film, can gum up sorting equipment if it is thrown into the wrong recycling container.
- ④ **Causing safety hazards for recycling workers**—some materials need to be collected a certain way due to safety concerns for recycling workers. For instance, glass or electronic waste can be a very dangerous contaminant if it is added to the wrong recycling container.

Examples of materials that should not be placed in with co-mingled recycling: Waxed drink cups; coffee cups; plastic utensils; straws; candy wrappers; chip bags; most take-out food packaging; and styrofoam. Food waste, plants and compostable food packaging should go into organics collection systems and scrap metal, e-waste, batteries and toner cartridges should be collected and recycled in their respective categories.

FILL THEM UP: Quite frequently recycling totes, cardboard and waste dumpsters and compactors are not filled to capacity each lift. This can significantly increase associated costs. By regularly monitoring all containers, lift schedules can be adjusted according to your needs or equipment can be changed to better suit your needs.

SHRINK WRAP AND PACKING PAPER: With the number of clothing retailers at Tanger, there is a significant volume of plastic wrap/bags and packing paper generated daily. While there are recycling totes provided for mixed paper and shrink wrap, they can usually only hold a couple of bags on average. We would suggest contacting GFL to see if they can provide you with a more suitable alternative to enable you to capture a higher percentage of these materials.



An example of packing paper collected at just one compactor over a 24-hour period



Closing

Regular waste audits help determine the success of an entity's current recycling initiatives. An effective waste audit is the first step toward:

- ④ Understanding the waste stream—information gathered will provide a baseline about waste materials that can be diverted from the landfill
- ④ Designing waste diversion programs—to be effective, diversion programs must be designed to meet the specific challenges of your company's waste stream and must reflect a solid understanding of the 3R's of waste reduction, reuse, and recycling
- ④ Managing recyclable waste—once waste has been qualified and quantified and diversion programs have been designed, resulting reduction policies and practices must be managed effectively, with all participants having a clear understanding of objectives, policies, procedures, responsibilities and technical options for handling the waste stream
- ④ Monitoring progress—an organized monitoring process will determine if your diversion program is delivering the intended results, and if not, determine if adjustments are necessary

We would like to thank RioCan for giving us the opportunity to perform the Tanger Outlets Waste Audit this year. We hope this report meets with your satisfaction and look forward to working with you again.

Regards,



Carol Colautti

Strategy WCR, Inc.

613-850-3646

carol@ontariowasteaudits.com



Ministry of the Environment Waste Form
Report of a Waste Audit
Industrial, Commercial and Institutional Establishments

As required by O. Reg. 102/94

- *This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and a copy retained on file for at least five years after it is prepared, and be made available to the ministry upon request.*
- *For large construction and demolition projects, please refer to the forms included with “A Guide to Waste Audits and Waste Reduction Work Plans for Construction and Demolition Projects as Required Under Ontario Regulation 102/94” (revised July 2008)*

I. General Information

Name of Owner and/or Operator of Entity(ies) and Company Name :			
RioCan - Tanger Outlets			
Name of Contact Person:	Telephone #:	Email address:	
Sara Boisvert	613-831-7884	svoisvert@riocan.com	
Street Address(es) of Entity(ies):			
8555 Campeau Drive, Suite 400			
Municipality:			
Ottawa, Ontario K2T 0K5			
Type of Entity (check one)			
Retail Shopping Establishments	☐	Hotels and Motels	☐
Retail Shopping Complexes	☒	Hospitals	☐
Office Buildings	☐	Educational Institutions	☐
Restaurants	☐	Large Manufacturing Establishments	☐

Note: O. Reg. 102/94 does not apply to multi-unit residential buildings.

II. Description of Entity

Provide a brief overview of the entity(ties): Tanger Outlets is a 347,409 square foot Outlet Shopping Centre with approximately 75 shops and services, an indoor food court and public washrooms. It is conveniently located in the west end of Ottawa just off the 417 adjacent to Canadian Tire Centre.
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.../page 1



Prepared by Strategy Waste Cost Reduction, Inc.

III. How Waste is Produced And Decisions Affecting the Production of Waste

For each category of waste that is produced at the entity(ies), explain how the waste will be produced and how management decisions and policies will affect the production of waste.

Categories of Waste	How Is the Waste Produced and What Management Decisions/Policies Affect Its Production?
<i>Example: Disposable Food Packaging</i>	<i>Generated by customers eating inside restaurant. Food packaging is used for health reasons. Reusable mugs for customers consuming coffee/tea inside restaurant is being reviewed.</i>
Aluminum food/beverage cans & foil	Generated by tenants and customers who obtain food and beverages from food service areas on and off site.
Steel food/beverage containers	Same as aluminum, as well as by food service tenants in the preparation of meals
Scrap Metal	Generated by tenants and maintenance to complex
Cardboard	Generated as part of packaging for merchandise received by tenants
Boxboard	Same as cardboard
Fine Paper	Generated as part of daily operations.
Newsprint/Packing Paper	Packing paper is used by some suppliers to prevent damage to merchandise during shipping to tenants; Newspapers are purchased by tenants and/or customers
Glossy magazines, flyers/posters	Received in mail, purchased by tenants, and customers and through promotional materials generated by tenants
PET (1) plastic food/beverage cont.	Same as aluminum
HDPE (2) plastic jugs	Same as aluminum in addition to many bulk food ingredients and cleaning products
LDPE (4) plastic film	Plastic film is used to secure packages to skids during shipping; some merchandise is shipped to tenants in plastic bags
PP (5) Polypropylene	Same as aluminum
PS (6) Polystyrene (rigid)	Same as aluminum
PS (6) Polystyrene (foam)	Used by some suppliers to prevent damage to merchandise during shipping
(7) Other plastic	Same as aluminum
Organics	Same as aluminum
Paper towels	Generated in washrooms and food service areas
Liquid	Some tenants/customers discard drink containers that still have liquid in them
Alcohol containers	Purchased off-site by tenants/customers
Glass food/beverage bottles	Same as aluminum
Juice/Milk Cartons	Same as aluminum
Paper coffee cups	Same as aluminum
Wood/Skids	Larger shipments are packaged on skids
E-Waste	Generated as part of daily operations
Printer cartridges	Generated by tenants and management
Batteries	Used by tenants and customers with portable electronic devices
Expired/damaged merchandise	Tenants may dispose of merchandise that is damaged or reaches it's expiration date
Diapers	Generated by customers with infants
Hangers	Generated by clothing retailers
Compostable food pkg.	Same as aluminum
Shoes/clothes	Tenants and customers may dispose of footwear or clothing
Desiccants	Used to keep merchandise dry during shipping
Unrecyclable food packaging	Same as aluminum
Miscellaneous non-recyclable waste	Generated throughout facility

Note: When completing this form, write "n/a" in the columns where the entity will not produce any waste for a category of waste.

.../page 2



IV. Management of Waste

For each category of waste listed below, indicate which waste items will be disposed or reused/recycled and how each item will be managed at the entity(ies).

Category	Waste to be Disposed	Reused or Recycled Waste
<i>Example: Beverage cans</i>	<i>Staff/clients may place in garbage bins</i>	<i>Staff/clients place cans in recycling receptacles. Collection staff later collect cans. Those in garbage are disposed; those in recycling receptacles are recycled.</i>
Aluminum food/beverage cans & foil	Tenants/customers may place in waste	Waste and recycling is collected daily from common areas; tenants are responsible for placing materials in the proper containers. Properly placed recyclables are recycled, balance is sent to the landfill.
Steel food/beverage containers	Same as aluminum	Same as aluminum
Scrap Metal	Same as aluminum	Collected for recycling as required
Cardboard	Same as aluminum	Same as aluminum
Boxboard	Same as aluminum	Same as aluminum
Fine Paper	Same as aluminum	Same as aluminum
Newsprint/Packing Paper	Same as aluminum	Same as aluminum
Glossy magazines, flyers/posters	Same as aluminum	Same as aluminum
PET (1) plastic food/beverage cont	Same as aluminum	Same as aluminum
HDPE (2) plastic jugs	Same as aluminum	Same as aluminum
LDPE (4) plastic film	Same as aluminum	Same as aluminum
PP (5) Polypropylene	Same as aluminum	Same as aluminum
PS (6) Polystyrene (rigid)	Same as aluminum	Same as aluminum
PS (6) Polystyrene (foam)	Placed in waste	Waste to landfill
(7) Other plastic	Same as aluminum	Same as aluminum
Organics	Placed in waste	Waste to landfill
Paper towels	Placed in waste	Waste to landfill
Liquid	Same as aluminum	Same as aluminum
Alcohol containers	Same as aluminum	Same as aluminum
Glass food/beverage bottles	Same as aluminum	Same as aluminum
Juice/Milk Cartons	Same as aluminum	Same as aluminum
Paper coffee cups	Placed in waste	Waste to landfill
Wood/Skids	Same as aluminum	Suppliers are asked to take pallets back, however those that aren't are collected by independent contractors
E-Waste	Same as aluminum	Tenants are responsible for recycling this material
Spent lighting tubes/bulbs/ballasts	Same as aluminum	Tenants are responsible for recycling this material
Batteries	Same as aluminum	Tenants are responsible for recycling this material
Expired/damaged merchandise	Placed in waste	Waste to landfill
Diapers	Placed in waste	Waste to landfill
Hangers	Placed in waste	Waste to landfill
Compostable food pkg.	Placed in waste	Waste to landfill
Shoes/clothes	Placed in waste	Waste to landfill
Desiccants	Placed in waste	Waste to landfill
Unrecyclable food packaging	Placed in waste	Waste to landfill
Miscellaneous non-recyclable waste	Placed in waste	Waste to landfill

Note: When completing this form, write "n/a" in the columns where the entity will not produce any waste for a category of waste

.../page 3



2024 Waste Audit Report | RioCan - Tanger Outlets — Ottawa

RioCan - Tanger Outlets Updated on August 29 & 30, 2024	Estimated Amount of Waste Produced MT											
	Generated			Reused			Recycled			Disposed		
	"A" Base Year	"B" Current Year	"C" Change (A-B)	"A" Base Year	"B" Current Year	"C" Change (A-B)	"A" Base Year	"B" Current Year	"C" Change (A-B)	"A" Base Year	"B" Current Year	"C" Change (A-B)
Categories of Waste												
Aluminum food/beverage cans & foil	1.151	2.362	1.211	n/a	n/a	n/a	n/a	1.737	1.737	1.151	0.625	-0.526
Steel food/beverage containers	2.043	3.850	1.807	n/a	n/a	n/a	n/a	2.432	2.432	2.043	1.418	-0.625
Scrap Metal	6.773	0.285	-6.488	n/a	n/a	n/a	n/a	n/a	n/a	6.773	0.285	-6.488
Cardboard	245.194	236.916	-8.278	n/a	n/a	n/a	241.510	232.416	-9.094	3.684	4.500	0.816
Boxboard	3.655	28.704	25.049	n/a	n/a	n/a	n/a	25.824	25.824	3.655	2.880	-0.775
Fine Paper	6.854	2.892	-3.962	n/a	n/a	n/a	n/a	1.042	1.042	6.854	1.850	-5.004
Newsprint/Packing Paper	41.527	28.052	-13.475	n/a	n/a	n/a	n/a	3.242	3.242	41.527	24.810	-16.717
Glossy magazines, flyers/posters	3.769	4.881	1.112	n/a	n/a	n/a	n/a	1.505	1.505	3.769	3.376	-0.393
PET (1) plastic food/beverage cont.	3.622	5.158	1.536	n/a	n/a	n/a	n/a	2.606	2.606	3.622	2.552	-1.070
HDPE (2) plastic jugs	1.645	4.786	3.141	n/a	n/a	n/a	n/a	3.300	3.300	1.645	1.486	-0.159
LDPE (4) plastic film	30.335	39.299	8.964	n/a	n/a	n/a	n/a	5.211	5.211	30.335	34.088	3.753
PP (5) Polypropylene	1.404	3.284	1.880	n/a	n/a	n/a	n/a	1.042	1.042	1.404	2.242	0.838
PS (6) Polystyrene (rigid)	0.820	0.117	-0.703	n/a	n/a	n/a	n/a	n/a	n/a	0.820	0.117	-0.703
PS (6) Polystyrene (foam)	2.001	2.683	0.682	n/a	n/a	n/a	n/a	n/a	n/a	2.001	2.683	0.682
(7) Other plastic	0.130	0.077	-0.053	n/a	n/a	n/a	n/a	n/a	n/a	0.130	0.077	-0.053
Organics	25.338	36.728	11.390	n/a	n/a	n/a	n/a	n/a	n/a	25.338	36.728	11.390
Paper towels	6.896	9.818	2.922	n/a	n/a	n/a	n/a	n/a	n/a	6.896	9.818	2.922
Liquid	4.712	4.638	-0.074	n/a	n/a	n/a	n/a	n/a	n/a	4.712	4.638	-0.074
Alcohol containers	n/a	0.004	0.004	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.004	0.004
Glass food/beverage bottles	0.795	1.847	1.052	n/a	n/a	n/a	n/a	0.695	0.695	0.795	1.152	0.357
Juice/Milk Cartons	1.000	2.756	1.756	n/a	n/a	n/a	n/a	0.347	0.347	1.000	2.409	1.409
Paper coffee cups	2.926	2.204	-0.722	n/a	n/a	n/a	n/a	n/a	n/a	2.926	2.204	-0.722
Wood/Skids	63.178	65.000	1.822	62.400	65.000	2.600	n/a	n/a	n/a	0.778	n/a	-0.778
E-Waste	n/a	1.384	1.384	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.384	1.384
Printer cartridges	0.289	n/a	-0.289	n/a	n/a	n/a	n/a	n/a	n/a	0.289	n/a	-0.289
Spent lighting tubes/bulbs/ballasts	n/a	0.011	0.011	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.011	0.011
Batteries	0.012	0.004	-0.008	n/a	n/a	n/a	n/a	n/a	n/a	0.012	0.004	-0.008
Expired/damaged merchandise	1.962	6.390	4.428	n/a	n/a	n/a	n/a	n/a	n/a	1.962	6.390	4.428
Diapers	1.648	0.818	-0.830	n/a	n/a	n/a	n/a	n/a	n/a	1.648	0.818	-0.830
Hangers	2.019	5.367	3.348	n/a	n/a	n/a	n/a	n/a	n/a	2.019	5.367	3.348
Cooking oil ***	2.865	n/a	-2.865	n/a	n/a	n/a	n/a	n/a	n/a	2.865	n/a	-2.865
Compostable food pkg	n/a	2.153	2.153	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.153	2.153
Waxed cardboard	1.172	n/a	-1.172	n/a	n/a	n/a	n/a	n/a	n/a	1.172	n/a	-1.172
Shoes/clothes	0.681	1.559	0.878	n/a	n/a	n/a	n/a	n/a	n/a	0.681	1.559	0.878
Desiccants	n/a	1.219	1.219	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.219	1.219
Unrecyclable food packaging	16.827	21.071	4.244	n/a	n/a	n/a	n/a	n/a	n/a	16.827	21.071	4.244
Miscellaneous unrecyclable waste	21.648	11.202	-10.446	n/a	n/a	n/a	n/a	n/a	n/a	21.648	11.202	-10.446
Total	504.891	537.519	32.628	62.400	65.000	2.600	241.510	281.399	39.8890	200.981	191.120	-9.861
Percent Change (total C / total A x 100)			6.462%						16.517%			-4.906%

Note: When completing this form, write "n/a" in the "Estimated Amount of Waste Produced" column where the entity will not produce any waste for a category of waste.

* Fill out these columns each year following the initial waste audit or baseline year to determine the progress that is being made by your waste reduction program.

VI. Extent to Which Materials or Products Used Or Sold By the Entity Consist of Recycled or Reused Materials or Products

Please answer the following questions:

1. Do you have a management policy in place that promotes the purchasing and/or use of materials or products that consist of recycled and/or reused materials or products? If yes, please describe.

Tenants manage their own purchasing policies.

2. Do you have plans to increase the extent to which materials or products used or sold* consist of recycled or reused materials or products? If yes, please describe.

Tenants manage their own policies.

* Information regarding materials or products “sold” that consist of recycled or reused materials or products is only required from owner(s) of retail shopping establishments and the owner(s) or operator(s) of large manufacturing establishments.

Please attach any additional page(s) as required to answer the above questions.

I hereby certify that the information provided in this Report of Waste Audit is complete and correct.

Signature of authorized official:

Title:

Date:

General Manager, Operations

August 29 & 30, 2024

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Prepared by Strategy Waste Cost Reduction, Inc.

Ministry of the Environment Waste Form
Report of a Waste Reduction Work Plan
Industrial, Commercial and Institutional Establishments

As required by O. Reg. 102/94

This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and a copy retained on file for at least five years after it is prepared, and be made available to the ministry upon request.

I. General Information

Name of Owner and/or Operator of Entity(ies) and Company Name :			
RioCan - Tanger Outlets			
Sara Boisvert	Telephone #:	Email address:	
	613-831-7884	svoisvert@riocan.com	
Street Address(es) of Entity(ies):			
8555 Campeau Drive, Suite 400			
Municipality:			
Ottawa, Ontario K2T 0K5			
Type of Entity			
Retail Shopping Establishments		Hotels and Motels	
Retail Shopping Complexes	X	Hospitals	
Office Buildings		Educational Institutions	
Restaurants		Large Manufacturing Establishments	

Note: O. Reg. 102/94 does not apply to multi-unit residential buildings.

II. Description of Entity

Provide a brief overview of the entity(ties): Tanger Outlets is a 347,409 square foot Outlet Shopping Centre with approximately 75 shops and services, an indoor food court and public washrooms. It is conveniently located in the west end of Ottawa just off the 417 adjacent to Canadian Tire Centre.

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Prepared by Strategy Waste Cost Reduction, Inc.

III. Plans to Reduce, Reuse and Recycle Waste

For each category of waste described in Part V of "Report of a Waste Audit" (on which this plan is based), explain what your plans are to Reduce, Reuse and Recycle the waste, including: 1) how the waste will be source separated at the establishment, and 2) the programs to reduce, reuse and recycle all source separated waste.

Waste Category (as stated in Part V of your "Report of a Waste Audit")	Source Separation and 3Rs Program
Aluminum food/beverage cans & foil	Send regular instructions to tenants and staff reminding them of recycling initiatives and procedures. Ensure clear signage is placed on all waste and recycling receptacles.
Steel food/beverage containers	Same as aluminum
Scrap Metal	Same as aluminum
Cardboard	Same as aluminum
Boxboard	Same as aluminum
Fine Paper	Same as aluminum
Newsprint/Packing Paper	Same as aluminum
Glossy magazines, flyers/posters	Same as aluminum
PET (1) plastic food/beverage cont.	Same as aluminum
HDPE (2) plastic jugs	Same as aluminum
LDPE (4) plastic film	Same as aluminum
PP (5) Polypropylene	Same as aluminum
PS (6) Polystyrene (rigid)	Same as aluminum
PS (6) Polystyrene (foam)	N/A
(7) Other plastic	Same as aluminum
Organics	Initiate program for collection of compostable materials
Paper towels	Initiate program for collection of compostable materials
Liquid	Place signage to request customers/tenants empty contents before discarding containers
Alcohol containers	Same as aluminum
Glass food/beverage bottles	Same as aluminum
Juice/Milk Cartons	Same as aluminum
Paper coffee cups	N/A
Wood/Skids	Same as aluminum
E-Waste	Initiate program for collection and recycling
Spent lighting tubes/bulbs/ballasts	Initiate program for collection and recycling
Batteries	Initiate program for collection and recycling
Expired/damaged merchandise	N/A
Diapers	N/A
Hangers	Investigate possibility of returning hangers to suppliers or donating
Compostable food pkg.	Same as organics
Shoes/clothes	Investigate feasibility of providing donation box for usable items
Desiccants	N/A
Unrecyclable food packaging	N/A
Miscellaneous non-recyclable waste	N/A

IV. Responsibility for Implementing The Waste Reduction Work Plan

Identify who is responsible for implementing the Waste Reduction Work Plan at your entity(ies). If more than one person is responsible for implementation, identify each person who is responsible and indicate the part of the Waste Reduction Work Plan that each person is responsible for implementing

Name of Person	Responsibility	Telephone #
Sara Boisvert	All 3R Sustainability Programs	613-831-7884

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V. Timetable for Implementing Waste Reduction Work Plan

Provide a timetable indicating when each Source Separation and 3Rs program of the Waste Reduction Work Plan will be implemented.

Source Separation and 3Rs Program	Schedule for Completion
<i>Example:</i> <i>Fine Paper 3Rs Program</i>	<i>“Deskside receptacles and centralized containers to be purchased in March. New collection contract for recycling to be arranged for April Kick off for program and instructions to staff regarding 3Rs program to occur in April” OR “3Rs Program currently in place.”</i>
Aluminum food/beverage cans & foil	3Rs Program currently in place
Steel food/beverage containers	3Rs Program currently in place
Scrap Metal	3Rs Program currently in place
Cardboard	3Rs Program currently in place
Boxboard	3Rs Program currently in place
Fine Paper	3Rs Program currently in place
Newsprint/Packing Paper	3Rs Program currently in place
Glossy magazines, flyers/posters	3Rs Program currently in place
PET (1) plastic food/beverage cont.	3Rs Program currently in place
HDPE (2) plastic jugs	3Rs Program currently in place
LDPE (4) plastic film	3Rs Program currently in place
PP (5) Polypropylene	3Rs Program currently in place
PS (6) Polystyrene (rigid)	3Rs Program currently in place
PS (6) Polystyrene (foam)	N/A
(7) Other plastic	3Rs Program currently in place
Organics	Target date: September 1, 2025
Paper towels	Target date: September 1, 2025
Liquid	Target date: September 1, 2025
Glass food/beverage bottles	3Rs Program currently in place
Juice/Milk Cartons	3Rs Program currently in place
Paper coffee cups	N/A
Wood/Skids	3Rs Program currently in place
E-Waste	Target date: September 1, 2025
Spent lighting tubes/bulbs/ballasts	Target date: September 1, 2025
Batteries	Target date: September 1, 2025
Expired/damaged merchandise	N/A
Diapers	N/A
Hangers	Target date: September 1, 2025
Compostable food pkg.	Target date: September 1, 2025
Desiccants	N/A
Unrecyclable food packaging	N/A
Miscellaneous non-recyclable waste	N/A

VI. Communication to Staff, Customers, Guests and Visitors

Explain how the Waste Reduction Work Plan will be communicated to employees, customers, tenants, guests/visitors and students:

A copy of the Waste Reduction Work Plan will be posted in an area where everyone will have access to read it. Additionally, a copy will be maintained on file for five years from the date of the audit. New initiatives and reminders about existing programs will be communicated electronically.

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Prepared by Strategy Waste Cost Reduction, Inc.

VII. Estimated Waste Produced By Material Type And The Projected Amount

Material Categories (as stated in Part III)	Estimated Annual Waste Produced * (MT)	Name of Proposed 3Rs Program (as stated in Part III)	Projections to Reduce, Reuse or Recycle Waste (MT)			Estimated Annual Amount to be Diverted ** (%)
			Reduce	Reuse	Recycle	
Example: Fine Paper	1.8 tonnes	Fine Paper 3Rs Program	200 kg	100 kg	1.2 tonnes	83
Aluminum food/beverage cans & foil	2.362	Container 3 R		n/a	1.737	73.55%
Steel food/beverage containers	3.850	Container 3 R		n/a	2.432	63.17%
Scrap Metal	0.285	Scrap Metal 3 R		n/a	n/a	n/a
Cardboard	236.916	Fibre 3 R		n/a	232.416	98.10%
Boxboard	28.704	Fibre 3 R		n/a	25.824	89.97%
Fine Paper	2.892	Fibre 3 R		n/a	1.042	36.03%
Newsprint/Packing Paper	28.052	Fibre 3 R		n/a	3.242	11.56%
Glossy magazines, flyers/posters	4.881	Fibre 3 R		n/a	1.505	30.84%
PET (1) plastic food/beverage cont.	5.158	Container 3 R		n/a	2.606	50.51%
HDPE (2) plastic jugs	4.786	Container 3 R		n/a	3.3	68.95%
LDPE (4) plastic film	39.299	Plastic 3 R		n/a	5.211	13.26%
PP (5) Polypropylene	3.284	Container 3 R		n/a	1.042	31.74%
PS (6) Polystyrene (rigid)	0.117	Container 3 R		n/a	n/a	n/a
PS (6) Polystyrene (foam)	2.683	N/A		n/a	n/a	n/a
(7) Other plastic	0.077	Container 3 R		n/a	n/a	n/a
Organics	36.728	No current program		n/a	n/a	n/a
Paper towels	9.818	No current program		n/a	n/a	n/a
Liquid	4.638	No current program		n/a	n/a	n/a
Alcohol containers	0.004	Container 3 R		n/a	n/a	n/a
Glass food/beverage bottles	1.847	Container 3 R		n/a	0.695	37.61%
Juice/Milk Cartons	2.756	Container 3 R		n/a	0.347	12.61%
Paper coffee cups	2.204	N/A		n/a	n/a	n/a
Wood/Skids	65.000	Wood Skids 3 R		65.000	n/a	100.00%
E-Waste	1.384	No current program		n/a	n/a	n/a
Spent lighting tubes/bulbs/ballasts	0.011	No current program		n/a	n/a	n/a
Batteries	0.004	No current program		n/a	n/a	n/a
Expired/damaged merchandise	6.390	N/A		n/a	n/a	n/a
Diapers	0.818	Diaper Personal Hygiene 3R		n/a	n/a	n/a
Hangers	5.367	No current program		n/a	n/a	n/a
Compostable food pkg.	2.153	No current program		n/a	n/a	n/a
Shoes/clothes	1.559	No current program		n/a	n/a	n/a
Desiccants	1.219	N/A		n/a	n/a	n/a
Unrecyclable food packaging	21.071	N/A		n/a	n/a	n/a
Miscellaneous non-recyclable waste	11.202	N/A		n/a	n/a	n/a
TOTAL	537.519			65.000	281.399	64.4%

* Estimated Waste Produced = Waste Diverted (3Rs) + Waste Disposed

** Estimated Waste Diversion Rate = Amount of Waste Diverted (3Rs) ÷ Estimated Waste Produced x 100%

I hereby certify that the information provided in this Waste Reduction Work Plan is complete and correct.

Signature of authorized official:	Title:	Date:
	General Manager, Operations	August 29 & 30, 2024

.../page 4



Prepared by Strategy Waste Cost Reduction, Inc.



TANGER OUTLETS OTTAWA
Physical Address: 8555 CAMPEAU DR, , OTTAWA,
ON K2S 1B9

INSPECTION REPORT

Entity: RIOCAN MANAGEMENT INC.
Inspection Start Date: August 15, 2024
Inspection End Date: March 28, 2025
Inspected By: Nicole Yetman
Badge #: 1115



(signature)

We want to hear from you. How was my service? You can provide feedback at
1-888-745-8888 or [Ontario.ca/inspectionfeedback](https://ontario.ca/inspectionfeedback)

NON-COMPLIANCE

This should not be construed as a confirmation of full compliance with all potential applicable legal requirements. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: WASTE | **Regulated Activity:** Source Separation

Planned Event Report

Event Number: 1-1055109338

Summary Information:

Summary: EIEB32 RIOCAN MANAGEMENT INC. -
TANGER OUTLETS OTTAWA -
CORPORATE INITIATIVE

Sub Type: Corp. Compliance Initiative

Category: Announced

Scope: Focused

Status: Completed

Reason for Cancellation:

Select Report Template: Detailed without Score

Deficiency Activity: N

Event System Number:

System Address: 8555 CAMPEAU DR

Regulated Activities: Source Separation

Program(s): WASTE

Assigned To: YETMANNI

District/Area Office: Sector Enforcement

Event Completed/Report Issue Date: 03/28/2025

Compliance Assessment Start Date: 08/15/2024

Site Inspection Date:

Compliance Assessment End Date: 03/28/2025

Audit Sample Received Date:

Report Received Date:

Entities:

Organization Type: Private Business **ID:** 1-HFW2UG

Operating Name: RIOCAN MANAGEMENT INC.

Legal Name: RIOCAN MANAGEMENT INC.

Ownership Type: Corporation

R.N.V.: N

Mailing Address: 2300 YONGE ST TORONTO
ON M4P 1E4

Physical Address: 2300 YONGE ST TORONTO ON M4P 1E4

Properties:

ID: 1-HG6NH9

Property Name:

Municipality/County: OTTAWA/

District Office: Ottawa District Office

Property Description:

ID: 1-1WP7C

Property Name:

Municipality/County: OTTAWA/

District Office: Ottawa District Office

Property Description: Big box shopping/power centre greater than 100,000s.f. with 2 or more main anchors such as discount or grocery stores with a collection of box or strip stores and in a commercial concentration concept

Worksheets:

Program: WASTE

Regulated Activity: Source Separation

Component:

Worksheet: Corporate Compliance

Worksheet Name: 1-HG6NLT Corporate Compliance

Description:

Updated:

Completed: Corporate Compliance

Notes:

Created Date: 03/28/2025 16:28:13

Locked Date:

Created By: YETMANNI

Subject: Summary

Details: P.O. Nicole Yetman #1115 has completed a corporate compliance initiative with RioCan Management Inc. The purpose of the initiative was to bring scoped retail shopping complexes operated by RioCan Management Inc. into compliance with Ontario Regulations 102/94 and 103/94.

The initiative was overseen by Phillip De Wolf, Senior Manager, Health & Safety and Emergency Management, National Property Management, RioCan Management Inc. To demonstrate compliance with the initiative, Phillip provided the following documents:

Appendix A - Commitment letter.

Appendix B - List template for Retail.

Appendix C - Confirmation letter.

Waste Audits and Waste Reduction Plans were conducted and prepared for each site included in the initiative.

On March 17, 2025, RioCan Management Inc. confirmed compliance with the initiative by submitting the Appendix C - Confirmation letter. Appendix A-C have been added to the attachments tab.

On March 27, 2025, P.O. Yetman concluded an audit of a randomly selected RioCan retail complex, Shoppers World Brampton, to assess compliance of the initiative. No non-compliances were found.

Corrective Action Plan (CAP):

Attachments:

Name: 1-I2FNRZ_Planned Event Report_Draft_030120250000004

Initial Name: 1-I2FNRZ_Planned Event Report_Draft_0301202500000041-I2FNRZ

Version:

Serial Number: 1-1055109338-1

Created By: Siebel Administrator

Date Modified:

Summary:

Description:

Size (in Bytes): 975

Type: PDF

Source: Planned Event Report

Date Time Taken:

Taken By:

Georeference:

Photolog: N

Photolog Order:

Update File: Y

Web Access: N

Name: RioCanTangerOutletsOttawa_WasteAuditReport_OutletShoppingC
entre_Aug30.2024

Initial Name: RioCanTangerOutletsOttawa_WasteAuditReport_OutletShoppingC
entre_Aug30.2024

Version:

Serial Number: 1-1055109338-5

Created By: Nicole Yetman

Date Modified:

Summary: Copy of WA and WRWP

Description:

Size (in Bytes): 2819488

Type: pdf

Source:

Date Time Taken:

Taken By:

Georeference:

Photolog: N

Photolog Order:

Update File: Y

Web Access: N

Name: RioCanYEC_ConfirmationLetter_RMCompliantSites_Mar17.
2025_SIGNED

Initial Name: RioCanYEC_ConfirmationLetter_RMCompliantSites_Mar17.
2025_SIGNED

Version:

Serial Number: 1-1055109338-4

Created By: Nicole Yetman

Date Modified:

Summary: Confirmation Letter – Appendix C

Description:

Size (in Bytes): 30924

Type: pdf

Source:

Date Time Taken:

Taken By:

Georeference:

Photolog: N

Photolog Order:

Update File: Y

Web Access: N

Name: RioCanYEC_MOE_WasteAuditProject_CompliantSiteList_Mar17.
2025

Initial Name: RioCanYEC_MOE_WasteAuditProject_CompliantSiteList_Mar17.
2025

Version:

Serial Number: 1-1055109338-2

Created By: Nicole Yetman

Date Modified:

Summary: Site List – Appendix B

Description:

Size (in Bytes): 14088

Type: xlsx

Source:

Date Time Taken:

Taken By:

Georeference:

Photolog: N

Photolog Order:

Update File: Y

Web Access: N

Name: RioCanYEC_WasteAuditProgram_RMICcommitmentLetter_Oct04.
2024 (part 1) - signed

Initial Name: RioCanYEC_WasteAuditProgram_RMICcommitmentLetter_Oct04.
2024 (part 1) - signed

Version:

Serial Number: 1-1055109338-3

Created By: Nicole Yetman

Date Modified:

Summary: Commitment Letter - Appendix A

Description:

Size (in Bytes): 29705

Type: pdf

Source:

Date Time Taken:

Taken By:

Georeference:

Photolog: N

Photolog Order:

Update File: Y

Web Access: N

Signature

Completed By: Nicole Yetman

Badge Number: 1115

Date Completed: 03/28/2025

Event Number: 1-
1055109338

Generated Date: 03/28/2025

Page 6 of 7

Nicole Jetman

Appendix A

October 4, 2024

RioCan Management Inc. is committed to ensuring compliance with legislative requirements under Ontario Regulations 102/94 and 103/94 of the Environmental Protection Act. It is our intention to ensure that all locations on the site list (attached) will prepare a waste audit and waste reduction work plan as required by Ontario Regulation 102/94 and will implement a source separation program as required by Ontario Regulation 103/94 by **March 31, 2025**.



Jeff Stephenson (Oct 4, 2024 16:03 EDT)

Jeff Stephenson
VP, National Property Management
RioCan Management Inc.

Appendix C

MARCH 17, 2025

RioCan Management Inc. is confirming that a waste audit and waste reduction work plan was prepared as required by Ontario Regulation 102/94. The waste audit and waste reduction work plan was submitted and reviewed by the ministry, and a summary of the waste reduction work plan has been posted at all sites in the site list (attached). A source separation program was implemented as required by Ontario Regulation 103/94 at all locations on the site list (attached).



Jeff Stephenson (Mar 17, 2025 09:39 EDT)

Jeff Stephenson
VP, National Property Management
RioCan Management Inc.

UTM 18Z 426665E
9R 5016380N
Elev. 9R 0230
Basin 0251
Lot 3



31 G S d

15 No 3079
GROUND WATER BRANCH
DEC 16 1957
ONTARIO WATER RESOURCES COMMISSION

The Water-well Drillers Act, 1954
Department of Mines

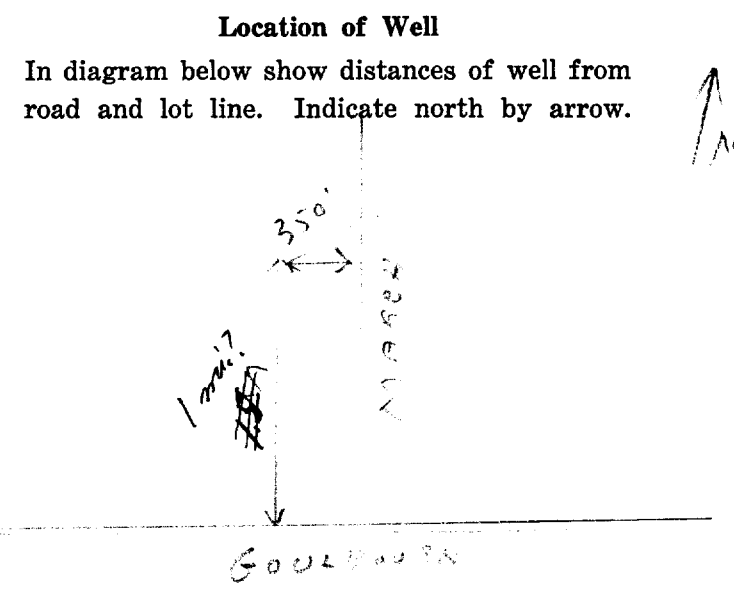
Water-Well Record

Ship, Village, Town or City.....HUNTER
Village, Town or City).....
Address
Date completed
(day) (month) (year)

Pipe and Casing Record			Pumping Test	
Casing diameter(s)	4"		Static level	15
Length(s)	62'		Pumping rate	300 GPM
Type of screen	NONE		Pumping level	27
Length of screen			Duration of test	1 1/2 hrs

Well Log			Water Record		
Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
CLAY	0	50			
Hardpan	50	60			
SAND	60	61			
SANDSTONE	61	89	87	74	FRESH

For what purpose(s) is the water to be used?
BARN
Is water clear or cloudy?.....CLEAR
Is well on upland, in valley, or on hillside?.....UPLAND
Drilling firm
Address
Name of Driller.....KEN SPARKS
Address.....5074 MADRID
Licence Number.....490
I certify that the foregoing statements of fact are true.
Date.....DEC 4 1957.....K Sparks
Signature of Licensee



UTM 18 42 68 70 E

5 50 116 55 0 N

Elev. 4 0 3 2 5

Basin 25 CARLETON

County or District I Lot 3

Township, Village, Town or City MAREH

Date completed 23 AUG 62
(day month year)

Address STITTSVILLE



3165d

GROUND WATER BRANCH

15 No
SEP 5 1962

3284

ONTARIO WATER
RESOURCES COMMISSION

WATER WELL RECORD

Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 72'

Type of screen -

Length of screen -

Depth to top of screen -

Diameter of finished hole 4"

Pumping Test

Static level 12

Test-pumping rate 5 G.P.M.

Pumping level 15

Duration of test pumping 1 1/2 HR

Water clear or cloudy at end of test CLEAR

Recommended pumping rate 5 G.P.M.

with pump setting of 30 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
BLUE CLAY	0	60		
HAMPAN	60	70		
COARSE GRAVEL	70	72	72	FRESH

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

FARM

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

Drilling or Boring Firm

F P SPARKS

Address STITTSVILLE

Licence Number 616

Name of Driller or Borer SAME

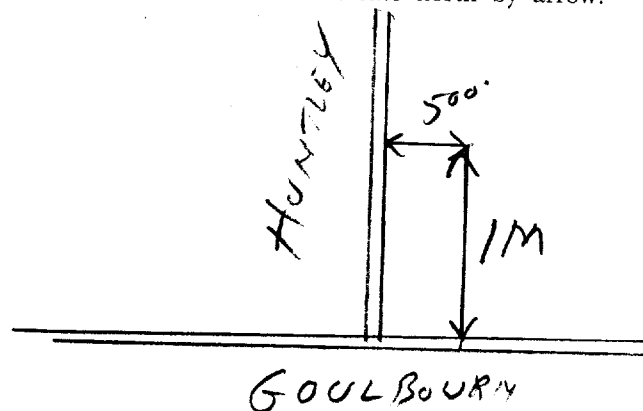
Address

Date AUG 24/62

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



30

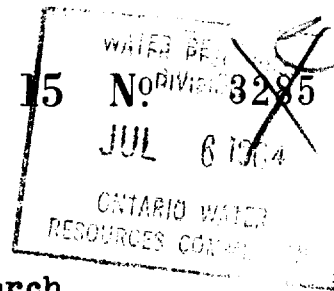
3

CSS.58

UTM 1824268100E



31654



The Ontario Water Resources Commission Act

Elev. 410325

WATER WELL RECORD

Basin 25 Carleton

Township, Village, Town or City March

Con. 1 Lot 3

Date completed 23 May 64
(day month year)

Address Hazeldean, Ontario.

Casing and Screen Record

Inside diameter of casing 1 1/2" - 2" & 3"
Total length of casing 3", 0'-52'; 2", 52'-77'; 1 1/2", 77'-85'
Type of screen -
Length of screen -
Depth to top of screen -
Diameter of finished hole 2"

Pumping Test

Static level 5'
Test-pumping rate 10 G.P.M.
Pumping level 20'
Duration of test pumping 1 hour
Water clear or cloudy at end of test clear
Recommended pumping rate 5 G.P.M.
with pump setting of 40 feet below ground surface

Well Log

Overburden and Bedrock Record

Clay
Quick sand
Boulders & sand
Limestone

From
ft.

To
ft.

0
30
52
70
136

Water Record

Depth(s) at
which water(s)
found

Kind of water
(fresh, salty,
sulphur)

136
sulphur

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

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

Drilling or Boring Firm J.B. Dufresne & Co. Ltd.,
1014 Maitland Ave.,
Address OTTAWA 5, Ont.

Licence Number 1307

Name of Driller or Borer F. Cossette

Address 1510 Baseline Rd., Ottawa, Ont.

Date 26 May, 1964

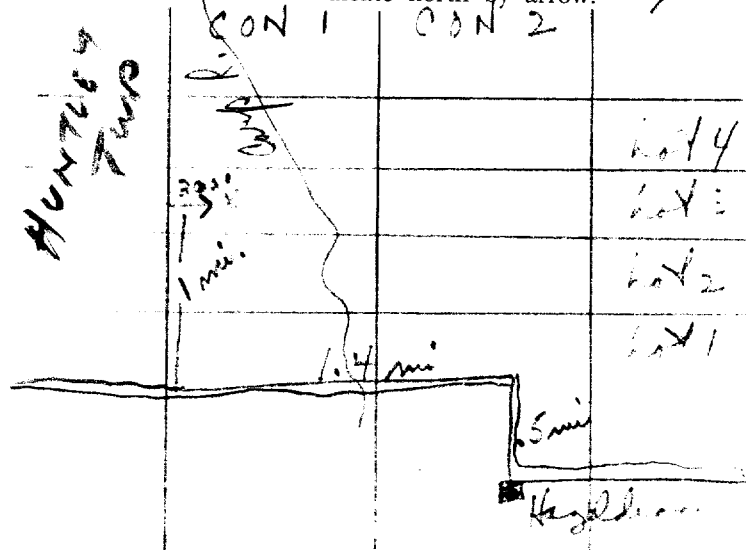
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

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



CS5.58



3165d

1517399

MUNICIP.
15006

CON.
COW

101

COUNTY OR DISTRICT <i>Coeleto</i>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <i>March</i>	CON., BLOCK, TRACT, SURVEY, ETC. <i>Coal</i>	LOT <i>002</i>
0006 <i>Sanaguay Pier Refracts</i>			DATE COMPLETED DAY <i>22</i> MO <i>05</i> YR. <i>80</i>
6099 <i>1-10330</i>		RC <i>4</i> BASIN CODE <i>26</i>	II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	12
blue	clay			12	50
grey	hardpan	gravel		52	56
grey	limestone			56	60
grey	gravel			60	62

[illegible]

41		WATER RECORD	
WATER FOUND AT - FEET		KIND OF WATER	
10-13	1 ☒ FRESH 2 ☐	3 ☐ SULPHUR 4 ☐ MINERAL	14
15-18	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	19
20-23	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	24
25-28	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	29
30-33	1 ☐ FRESH 2 ☐ SALTY	3 ☐ SULPHUR 4 ☐ MINERAL	34

CASING & OPEN HOLE RECORD				
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	☒ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	12		13-14
17-18	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	19		20-21
24-25	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	26		27-28

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	31-33	DIAMETER	34-38	LENGTH	39-40
	INCHES			FEET		
	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN		41-44	80	
				FEET		

61 PLUGGING & SEALING RECORD			
DEPTH SET AT - FEET		MATERIAL AND TYPE	
FROM	TO	CEMENT GROUT, LEAD PACKER, ETC.)	
10-13	14-17		
18-21	22-25		
26-29	30-33	80	

PUMPING TEST METHOD	1 ☒ PUMP		2 ☐ BAILER		PUMPING RATE		11-14 DURATION OF PUMPING		
					0020		01 15-16 17-18 HOURS MINS		
	STATIC LEVEL		WATER LEVEL END OF PUMPING		25 WATER LEVELS DURING				
	19-21		22-24		15 MINUTES		30 MINUTES		
	010		030		030 26-28		030 29-31		
FEET		FEET		FEET		FEET		FEET	
IF FLOWING GIVE RATE		36-41		PUMP INTAKE SET AT		WATER AT END OF TEST		42	
		GPM		FEET		1 ☐ CLEAR		2 ☒ CLOUDY	
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		43-45		RECOMMENDED PUMPING RATE		46-49	
☒ SHALLOW ☐ DEEP		030		FEET		0010		GPM	
50-53		-----		GPM / FT. SPECIFIC CAPACITY					

54 FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL	5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
55-56 WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
57 METHOD OF DRILLING 5	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ POTARY (AIR) 5 ☒ AIR PERCUSSION	6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

Diagram illustrating the location of a well relative to a road and a lot line. The well is located 200 feet south of the road (Queensway) and 100 feet east of the lot line (Hwy 100). The road is labeled Hwy 17 and Queensway. The lot line is labeled Hwy 100. A north arrow is indicated in the top right corner.

DRILLERS REMARKS:

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER
	Henry Means Well Drilling		3644
	ADDRESS		
	Box 326, Richmond Ont.		
	NAME OF DRILLER OR BORER		LICENCE NUMBER
Henry Means			
SIGNATURE OF CONTRACTOR		SUBMISSION DATE	
		DAY 26 MO. 5 YR. 80	

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68	69-72
	1		3644		19	1280	
	DATE OF INSPECTION		INSPECTOR				
REMARKS:					P		
					WI		



Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

Municipality **15005** Con. **CON** **02**

County or District		Township/Borough/City/Town/Village				Con block tract survey, etc.		Lot	
Ottawa Carleton		West Carleton - Huntley				2		2	
Owner's surname		First name		Address			Date completed		25 day 9 month 97 year
Turpin Group Inc.				c/o Golders Ass. Ltd. 1796 Courtwood Cres.					
Zone		Easting		Northing		RC Elevation		RC Basin Code	
21		12 13 14 15 16 17 18 19 20 21 22 23 24		15 16 17 18 19 20 21 22 23 24		25 26 27 28 29 30 31		ii iii iv	
M 10				K2C 2B5					

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
Brown	Clay		Packed	0	10
Gray	Clay		Sticky	10	38
Gray	Sandy Clay		Dry	38	41.
Gray	Limestone		Medium HArD	41.6	150
Gray	Limestone		Medium Hard	150	200
	NOTE: No Water, Well was stopped at owners request				

Figure 1 shows a schematic representation of the 120-item test battery, organized into two rows of subtests. Row 31 includes subtests 10, 14, 15, 21, 30, and 41. Row 32 includes subtests 54, 65, 76, 80, 85, and 90. Each subtest is depicted as a horizontal bar with vertical lines representing individual items.

41		WATER RECORD	
Water found at – feet		Kind of water	
10-13	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	14
15-18	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	19
20-23	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	24
25-28	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	29
30-33	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	34

CASING & OPEN HOLE RECORD					
Inside diam inches	Material	Wall thickness inches	Depth - feet		
			From	To	
6 ¹⁰⁻¹¹ 1/4	1 ☐ Steel ¹² 2 ☒ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	44.5	¹³⁻¹⁸
5 ¹⁷⁻¹⁸ <u>15</u>	1 ☐ Steel ¹⁹ 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		44.5	200	²⁰⁻²³
²⁴ 16	1 ☐ Steel ²⁶ 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic				²⁷⁻³⁰

SCREEN	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
			inches		feet	
	Material and type			Depth at top of screen	41-44	30
				feet		

61		PLUGGING & SEALING RECORD	
☒ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13	14-17	Grouted Cement (8)	
43 18-21	0 22-25		
26-29	30-33		
	80		

PUMPING TEST	71 Pumping test method ¹⁰ 1 ☐ Pump 2 ☐ Bailer		Pumping rate ¹¹⁻¹⁴ GPM		Duration of pumping ¹⁷⁻¹⁹ Hours Mins	
	Static level		Water level end of pumping		Water levels during 1 ☐ Pumping 2 ☐ Recovery	
	19-21	22-24	15 minutes ₂₆₋₂₈	30 minutes ₂₉₋₃₁	45 minutes ₃₂₋₃₄	60 minutes ₃₅₋₃₇
	feet	feet	feet	feet	feet	feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at feet		Water at end of test ⁴²⁻⁴⁴ ☐ Clear ☐ Cloudy	
	Recommended pump type ☐ Shallow ☐ Deep		Recommended pump setting ⁴³⁻⁴⁵ feet		Recommended pump rate ⁴⁶⁻⁴⁹ GPM	

FINAL STATUS OF WELL 54

1 ☐ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished
2 ☐ Observation well	6 ☒ Abandoned, poor quality	10 ☐ Replacement well
3 ☐ Test hole	7 ☐ Abandoned (Other)	
4 ☐ Recharge well	8 ☐ Dewatering	

WATER USE			55-56
1 ☐ Domestic	5 ☐ Commercial	9 ☐ Not used	
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other	
3 ☐ Irrigation	7 ☐ Public supply		
4 ☐ Industrial	8 ☐ Cooling & air conditioning		

METHOD OF CONSTRUCTION 57

1 ☐ Cable tool	5 ☐ Air percussion	9 ☐ Driving
2 ☐ Rotary (conventional)	6 ☒ Boring	10 ☐ Digging
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other
4 ☐ Rotary (air)	8 ☐ Jetting	

LOCATION OF WELL

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

The diagram shows a well located at the intersection of a road and a lot line. The road is labeled 'Huntmar' and the lot line is labeled 'Polladium Drive'. The distance from the well to the road is 100m, and the distance from the well to the lot line is 400m. A north arrow is shown in the top left corner.

183345

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558
Address	
P.O. Box 490 Stittsville, Ontario K2S 1A6	
Name of Well Technician	Well Technician's Licence No.
S. Miller	T0097
Signature of Technician/Contractor	Submission date
	day 29 mo 9 yr 97

MINISTRY USE ONLY	Data source	58	Contractor	59-62	Date received	63-68	69
			1558		OCT 17 1997		
	Date of inspection	Inspector					
	Remarks						



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

PRI-TEC CONSTRUCTION

Address of Well Location (Street Number/Name) **HUNTMAR & AUTOPARK PVT** Township **HUNTLEY (East Carleton)** Lot **2** Concession **1**
County/District/Municipality **OTTAWA-CARLETON** City/Town/Village **KANATA** Province **Ontario** Postal Code
UTM Coordinates Zone **18** Easting **427058** Northing **5016181** Municipal Plan and Sublot Number Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
	Well record Z 190208 for abandonment of existing drilled well exposed during July 2015 construction			0.00 11.8m

Annular Space

Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00 11.8m	Neoprene concrete Cgrub.	0.23

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
15.88	Steel	0.40	0.00	?

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☒ Abandoned, other, specify Construction 2015

Construction Record - Screen

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

Water Details

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

Hole Diameter

Depth (m/ft)	Diameter (cm/in)
0.00 11.8	15.88

Well Contractor and Well Technician Information

Business Name of Well Contractor STANTON DRILLING INC	Well Contractor's Licence No. 4875
Business Address (Street Number/Name) BOX 29, 157 FIVE ARCHES DR.	Municipality FAKENHAM
Province ON Postal Code K0A2X0 Business E-mail Address stanton.drilling@bell.net	
Bus. Telephone No. (inc. area code) (613) 624-5622 Name of Well Technician (Last Name, First Name) STANTON, PETER	
Well Technician's Licence No. 00086 Signature of Technician and/or Contractor [Signature] Date Submitted 2015 08 04	

Results of Well Yield Testing

Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
Static Level	8.10		
1			
2			
3			
4			
5			
10			
15			
20			
25			
30			
40			
50			
60			

Map of Well Location

Please provide a map below following instructions on the back.

Well owner's information package delivered ☒ Yes ☐ No

Date Package Delivered **2015 07 27**

Date Work Completed **2015 07 27**

Ministry Use Only

Audit No **Z 190208**

Received **AUG 11 2015**



RE: PE7242-Records Search Request

From Public Information Services <publicinformationservices@tssa.org>
Date Mon 9/29/2025 3:35 PM
To Kuldeep Panchal <KPanchal@patersongroup.ca>

External Email: Do not click on links or open attachments unless you trust the sender.

Hello ,

NO RECORD FOUND IN CURRENT DATABASE:

• We confirm that there are NO **fuels records** in our database at the subject address(es).
For a further search in our archives, please go to the [TSSA Client Portal](#) to complete an Application for Release of Public Information. Please refer to [Training \(tssa.org\)](#) for instructions on how to use the portal. Please refer to [How to Submit a Public Information Request \(tssa.org\)](#) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,



Cassandra Cecilia | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3222 | Fax: +1 416-231-4898 | E-Mail: CCecilia@tssa.org
www.tssa.org




Winner of 2025 5-Star Safety Cultures Award

From: Kuldeep Panchal <KPanchal@patersongroup.ca>

Sent: Monday, September 29, 2025 3:27 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE7242-Records Search Request

[CAUTION]: THIS EMAIL ORIGINATED OUTSIDE THE ORGANISATION.
PLEASE DO NOT CLICK LINKS OR OPEN ATTACHMENTS UNLESS YOU RECOGNISE THE SOURCE OF THIS EMAIL AND KNOW THE CONTENT IS SAFE.

Hello,

Could you please complete a search of your records for **underground/aboveground storage tanks** for the following addresses in Ottawa, Ontario:

Huntmar Drive : 319, 320, 340

Campeau Drive : 8555

Palladium Drive : 2500

Cyclone Taylor Boulevard : 1, 51

Best Regards,



KULDEEP PANCHAL
Junior Environmental Scientist
Environmental Division
TEL: (613) 226-7381 ext.103
DIRECT: (613) 701-6276
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!

NEW OFFICE OPEN IN THE GREATER TORONTO AREA WITH OUR EXPANSIVE LIST OF SERVICES NOW AVAILABLE!

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File Number: D06-03-25-0121

November 10, 2025

Kuldeep Panchal
Paterson Group Inc.

Sent via email kpanchal@patersongroup.ca

Dear Kuldeep Panchal,

**Re: Information Request
319 Huntmar Drive, Ottawa, Ontario ("Subject Property")**

Internal Department Circulation:

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

- **Environmental Remediation Unit:** The City's Environmental Remediation Unit (ERU) has copies of the following environmental reports for the property:
 - Paterson, 2021. 8555 Campeau Dr. - Phase One ESA. 21Apr2021

Please contact ERU-UAE@ottawa.ca to request copies of the reports if required.

- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** No Records were found for the subject property.
- **Solid Waste Services:** No Records were found for the subject property.

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the [Overview and User Guide.](#)

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: [Public Health Inspections - Ottawa Public Health](#)

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

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

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

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

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Anna Liu

Student Planner

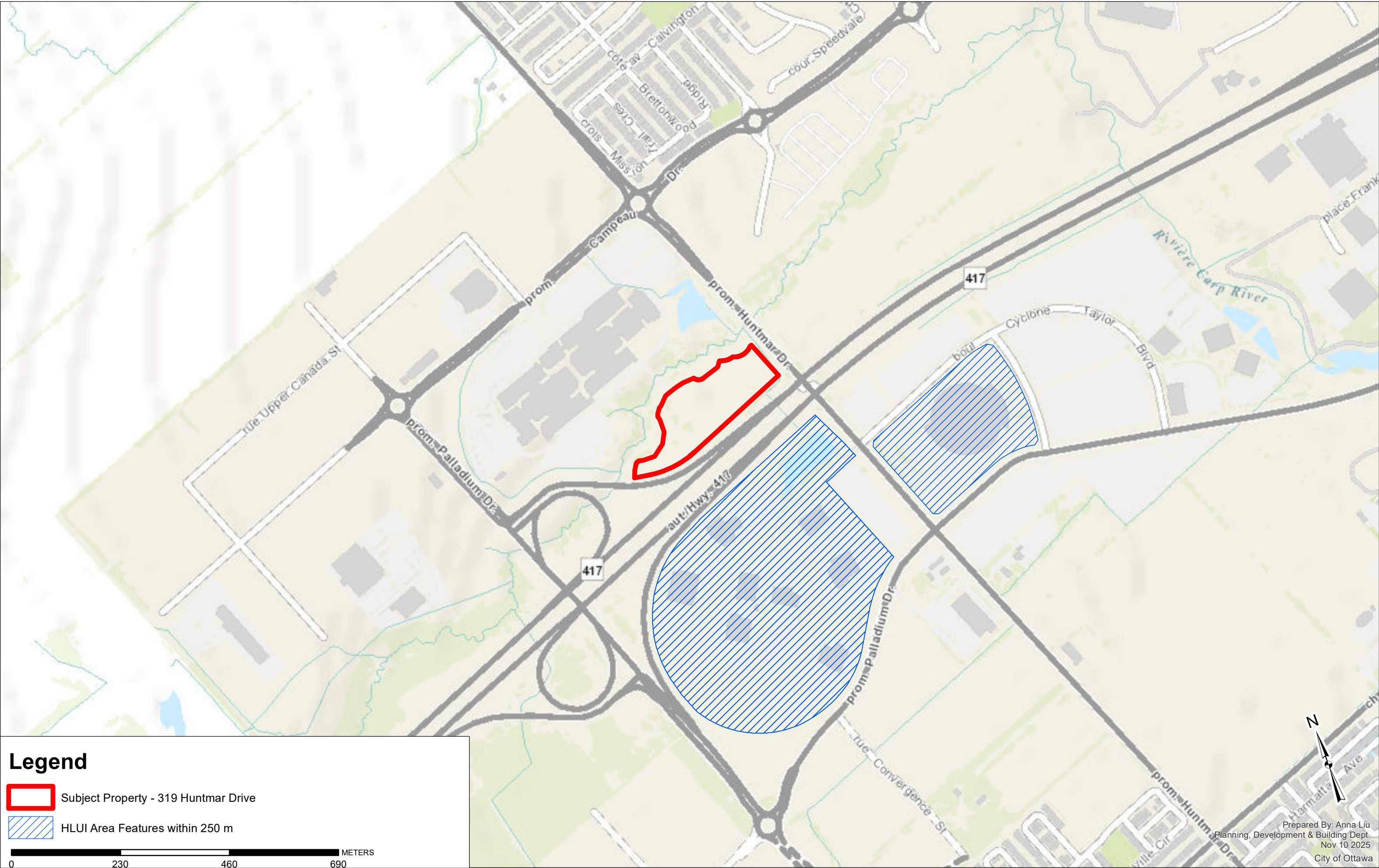
Development Review Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-25-0121

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP - 319 Huntmar Drive



OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
6086	EPRINT IT	Manufacturing	2006-ES	1			1000	PALLADIUM	DR			1000	PALLADIUM	DR		K2V1A4	4.5E+07	KANATA	323115				66196.60771	1031.250962
6958	ASSURED @ MYERS VOLKSWAGEN	Automobile Body-Repairing & Painting	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	81112102	7532-01	501		216197.8322	1859.458535
6985	KANATA HONDA	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	800		216197.8322	1859.458535
7015	MYERS VOLKSWAGEN AUTOMTV GROUP	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	501		216197.8322	1859.458535
6957	TURPIN SATURN SAAB	Construction	2006-ES; 2012-ES	1	2006-2012	ES 2006;	2500	PALLADIUM	DR			2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	231220; 4411110; 441120				216197.8322	1859.458535
6984	CAPITAL DODGE CHRYSLER JEEP	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	1200		216197.8322	1859.458535
6986	KANATA MAZDA	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	301		216197.8322	1859.458535
7016	TONY GRAHAM KANATA TOYOTA	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	600		216197.8322	1859.458535
5981	MOLSON ONTARIO BREWERIES LIMITED	Wholesale trade	2001-ES	1	2001	ES 2001	1000	PALLADIUM	DR			1000	PALLADIUM	DR		K2V1A4	4.5E+07	KANATA	413220				66196.60771	1031.250962
5982	THE GLOBE & MAIL	Combined Publishing and Printing Industries	2001-ES	1	2001	c. 2001	1000	PALLADIUM	DR		KANATA	1000	PALLADIUM	DR		K2V1A4	4.5E+07	KANATA	511110				66196.60771	1031.250962
6956	MYERS KANATA	Construction	2006-ES; 2012-ES	1	2006-2012	ES 2006;	2500	PALLADIUM	DR			2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	231220; 441110; 441120				216197.8322	1859.458535
6987	MYERS KANATA CHEV BUICK GMC	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2500	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	200		216197.8322	1859.458535
6988	MYERS KANATA HYUNDAI	Automobile Dealers-New Cars	2017-SalesGenie	1	2017	SalesGenie 2017					KANATA	2499	PALLADIUM	DR		K2V1E2	1.6E+08	WEST CARLET	44111001	5511-02	400		216197.8322	1859.458535



DATABASE REPORT

Project Property:	<i>PE7242 - Phase I ESA 319 Huntmar Drive Stittsville ON K2S 0P6</i>
Project No:	<i>64154</i>
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>25091200660</i>
Requested by:	<i>Paterson Group Inc.</i>
Date Completed:	<i>October 2, 2025</i>

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property: PE7242 - Phase I ESA
319 Huntmar Drive Stittsville ON K2S 0P6

Project No: 64154

Order Information:

Order No: 25091200660
Date Requested: September 12, 2025
Requested by: Paterson Group Inc.
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	24	24
CA	Certificates of Approval	Y	0	5	5
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	1	1	2
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	12	12
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	4	5
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	6	6
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	2	2

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	4	4
Total:			2	62	64

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>
<u>1</u>	EHS		Huntmar Drive Ottawa ON	W/0.0	1.00	<u>24</u>
<u>2</u>	EASR	The Burroughs Kanata LP	319 Huntmar DR Ottawa ON K2S 1B9	ENE/0.0	0.00	<u>24</u>

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>3</u>	BORE		ON	ENE/4.5	1.03	<u>24</u>
<u>4</u>	BORE		ON	ENE/26.1	1.08	<u>25</u>
<u>5</u>	BORE		ON	ENE/32.3	1.00	<u>26</u>
<u>6</u>	BORE		ON	ENE/33.3	1.00	<u>28</u>
<u>7</u>	BORE		ON	ENE/34.5	1.00	<u>29</u>
<u>8</u>	BORE		ON	ENE/41.5	0.00	<u>30</u>
<u>9</u>	BORE		ON	ENE/43.4	1.00	<u>31</u>
<u>10</u>	BORE		ON	E/62.2	1.00	<u>32</u>
<u>11</u>	BORE		ON	E/67.2	0.85	<u>33</u>
<u>12</u>	BORE		ON	E/91.8	1.00	<u>34</u>
<u>13</u>	BORE		ON	E/95.3	1.00	<u>35</u>
<u>14</u>	BORE		ON	E/95.4	1.00	<u>36</u>

<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>
<u>15</u>	BORE		ON	SW/95.7	0.79	<u>38</u>
<u>16</u>	BORE		ON	E/98.1	1.00	<u>39</u>
<u>17</u>	BORE		ON	E/98.6	1.00	<u>40</u>
<u>18</u>	BORE		ON	E/109.7	1.00	<u>42</u>
<u>19</u>	SPL		45.294829, -75.935586 OTTAWA ON	SW/114.1	1.00	<u>43</u>
<u>20</u>	BORE		ON	NNE/117.5	-1.00	<u>43</u>
<u>21</u>	BORE		ON	E/129.4	0.00	<u>44</u>
<u>22</u>	BORE		ON	NNE/138.4	-1.00	<u>45</u>
<u>23</u>	GEN	PCL EASTERN INC.	280 HUNTMAR ROAD STITTSVILLE ON K2S 1B9	E/153.4	1.00	<u>47</u>
<u>24</u>	BORE		ON	NNE/157.1	-1.31	<u>48</u>
<u>25</u>	WWIS		lot 3 con 1 ON <i>Well ID:</i> 1503019	NNW/157.6	-1.00	<u>49</u>
<u>26</u>	BORE		ON	N/182.9	-1.00	<u>52</u>
<u>27</u>	BORE		ON	WSW/192.9	1.00	<u>53</u>

<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>
<u>28</u>	EASR	TIMMINS SQUARE LIMITED PARTNERSHIP	8555 CAMPEAU DR KANATA ON K2T 0K5	WNW/203.8	1.00	<u>54</u>
<u>28</u>	GEN	Cosmetics Company Store 684	8555 Campeau Drive Ottawa ON K2T0K5	WNW/203.8	1.00	<u>54</u>
<u>28</u>	GEN	Cosmetics Company Store 684	8555 Campeau Drive Ottawa ON K2T0K5	WNW/203.8	1.00	<u>55</u>
<u>28</u>	GEN	TJX Canada	8555 Campeau Drive Ottawa ON	WNW/203.8	1.00	<u>56</u>
<u>28</u>	GEN	American Eagle Outfitters Canada Corporation	8555 Campeau Drive Ottawa ON	WNW/203.8	1.00	<u>56</u>
<u>28</u>	GEN	American Eagle Outfitters Canada Corporation	8555 Campeau Drive Ottawa ON	WNW/203.8	1.00	<u>57</u>
<u>28</u>	PINC	JEFFREY DOUGLAS MORRISON	8555 CAMPEAU DR,,OTTAWA,ON,K2T 0K5,CA ON	WNW/203.8	1.00	<u>58</u>
<u>29</u>	CA	PALLADIUM CORPORATION	HUNTMAR RD/CYCLONE TAYLOR BLVD KANATA CITY ON	E/205.8	1.00	<u>58</u>
<u>30</u>	ECA	RioCan Management Inc.	333 Huntmar Dr Ottawa ON M4P 1E4	NNW/210.7	-0.69	<u>58</u>
<u>30</u>	ECA	West Ottawa Land Holdings Inc. and West Ottawa Land Holdings (2) Inc.	333 Huntmar Dr Part Lots 3 and 4, Concession 1 Ottawa ON K1V 8Y3	NNW/210.7	-0.69	<u>59</u>
<u>30</u>	ECA	RioCan Management Inc.	333 Huntmar Dr Ottawa ON M4P 1E4	NNW/210.7	-0.69	<u>59</u>
<u>30</u>	ECA	RioCan Management Inc.	333 Huntmar Dr Ottawa ON M4P 1E4	NNW/210.7	-0.69	<u>59</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>30</u>	EHS		333 Huntmar Dr. Ottawa ON	NNW/210.7	-0.69	<u>60</u>
<u>30</u>	PTTW	RioCan Management Inc.	333 Huntmar Drive, City of Ottawa, Ontario CITY OF OTTAWA ON	NNW/210.7	-0.69	<u>60</u>
<u>31</u>	WWIS		lot 3 con 1 ON Well ID: 1503285	NNE/212.5	-2.00	<u>60</u>
<u>32</u>	BORE		ON	NNE/212.5	-2.00	<u>64</u>
<u>33</u>	EHS		675 Autopark Private Ottawa ON K2V 1E2	ESE/220.2	1.00	<u>65</u>
<u>34</u>	WWIS		lot 2 con 2 ON Well ID: 1529619	W/221.5	1.00	<u>65</u>
<u>35</u>	WWIS		lot 2 con 1 ON Well ID: 1517399	E/241.0	1.00	<u>68</u>
<u>36</u>	CA	Tony Graham Kanata Limited	600-2500 Palladium Dr Ottawa ON	SSE/244.6	2.31	<u>72</u>
<u>36</u>	CA	Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON	SSE/244.6	2.31	<u>72</u>
<u>36</u>	CA	Kanata Motors Corporation	2500 Palladium Dr Kanata Ottawa ON	SSE/244.6	2.31	<u>73</u>
<u>36</u>	CA	Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON	SSE/244.6	2.31	<u>73</u>
<u>36</u>	ECA	Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON K2A 1C5	SSE/244.6	2.31	<u>73</u>
<u>36</u>	ECA	Zena Investment Corporation	2500 Palladium Dr Ottawa ON K2V 1E2	SSE/244.6	2.31	<u>73</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>36</u>	ECA	Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON K2A 1C5	SSE/244.6	2.31	<u>74</u>
<u>36</u>	ECA	Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON K2A 1C5	SSE/244.6	2.31	<u>74</u>
<u>36</u>	ECA	Kanata Motors Corporation	2500 Palladium Dr Kanata Ottawa ON K2V 1E2	SSE/244.6	2.31	<u>74</u>
<u>36</u>	ECA	Tony Graham Kanata Limited	600-2500 Palladium Dr Ottawa ON K2G 1E3	SSE/244.6	2.31	<u>75</u>
<u>36</u>	ECA	Tony Graham Motors Limited	2500 Palladium Dr Ottawa ON K2G 1E3	SSE/244.6	2.31	<u>75</u>
<u>36</u>	ECA	Zena Investment Corporation	2500 Palladium Dr Ottawa ON K2J 6H8	SSE/244.6	2.31	<u>75</u>
<u>36</u>	EHS		2500 Palladium Drive Unit 1200 Kanata ON	SSE/244.6	2.31	<u>76</u>
<u>36</u>	EHS		2500 Palladium Ottawa ON	SSE/244.6	2.31	<u>76</u>
<u>36</u>	HINC		2500 PALLADIUM DRIVE KANATA ON	SSE/244.6	2.31	<u>76</u>
<u>36</u>	HINC		2500 PALLADIUM DRIVE RICHMOND ON	SSE/244.6	2.31	<u>76</u>
<u>36</u>	SPL		#200 - 2500 Palladium Drive Ottawa ON	SSE/244.6	2.31	<u>77</u>
<u>37</u>	BORE		ON	SW/245.9	1.00	<u>78</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 24 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	4.5	<u>3</u>
	ON	26.1	<u>4</u>
	ON	32.3	<u>5</u>
	ON	33.3	<u>6</u>
	ON	34.5	<u>7</u>
	ON	41.5	<u>8</u>
	ON	43.4	<u>9</u>
	ON	62.2	<u>10</u>
	ON	67.2	<u>11</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	91.8	<u>12</u>
	ON	95.3	<u>13</u>
	ON	95.4	<u>14</u>
	ON	95.7	<u>15</u>
	ON	98.1	<u>16</u>
	ON	98.6	<u>17</u>
	ON	109.7	<u>18</u>
	ON	117.5	<u>20</u>
	ON	129.4	<u>21</u>
	ON	138.4	<u>22</u>
	ON	157.1	<u>24</u>
	ON	182.9	<u>26</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	192.9	27
	ON	212.5	32
	ON	245.9	37

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PALLADIUM CORPORATION	HUNTMAR RD/CYCLONE TAYLOR BLVD KANATA CITY ON	205.8	29
Kanata Motors Corporation	2500 Palladium Dr Kanata Ottawa ON	244.6	36
Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON	244.6	36
Tony Graham Kanata Limited	600-2500 Palladium Dr Ottawa ON	244.6	36
Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON	244.6	36

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011 - Jul 31, 2025 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Burroughs Kanata LP	319 Huntmar DR Ottawa ON K2S 1B9	0.0	<u>2</u>
TIMMINS SQUARE LIMITED PARTNERSHIP	8555 CAMPEAU DR KANATA ON K2T 0K5	203.8	<u>28</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011 - Jul 31, 2025 has found that there are 12 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
RioCan Management Inc.	333 Huntmar Dr Ottawa ON M4P 1E4	210.7	<u>30</u>
West Ottawa Land Holdings Inc. and West Ottawa Land Holdings (2) Inc.	333 Huntmar Dr Part Lots 3 and 4, Concession 1 Ottawa ON K1V 8Y3	210.7	<u>30</u>
RioCan Management Inc.	333 Huntmar Dr Ottawa ON M4P 1E4	210.7	<u>30</u>
RioCan Management Inc.	333 Huntmar Dr Ottawa ON M4P 1E4	210.7	<u>30</u>
Zena Investment Corporation	2500 Palladium Dr Ottawa ON K2J 6H8	244.6	<u>36</u>
Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON K2A 1C5	244.6	<u>36</u>
Zena Investment Corporation	2500 Palladium Dr Ottawa ON K2V 1E2	244.6	<u>36</u>
Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON K2A 1C5	244.6	<u>36</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kanata Motors Corporation	2500 Palladium Dr Kanata Ottawa ON K2V 1E2	244.6	<u>36</u>
Palladium Auto Park Ltd.	2500 Palladium Drive Ottawa ON K2A 1C5	244.6	<u>36</u>
Tony Graham Kanata Limited	600-2500 Palladium Dr Ottawa ON K2G 1E3	244.6	<u>36</u>
Tony Graham Motors Limited	2500 Palladium Dr Ottawa ON K2G 1E3	244.6	<u>36</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2025 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Huntmar Drive Ottawa ON	0.0	<u>1</u>
	333 Huntmar Dr. Ottawa ON	210.7	<u>30</u>
	675 Autopark Private Ottawa ON K2V 1E2	220.2	<u>33</u>
	2500 Palladium Ottawa ON	244.6	<u>36</u>
	2500 Palladium Drive Unit 1200 Kanata ON	244.6	<u>36</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Mar 31, 2025 has found that there are 6 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PCL EASTERN INC.	280 HUNTMAR ROAD STITTSVILLE ON K2S 1B9	153.4	<u>23</u>
American Eagle Outfitters Canada Corporation	8555 Campeau Drive Ottawa ON	203.8	<u>28</u>
TJX Canada	8555 Campeau Drive Ottawa ON	203.8	<u>28</u>
Cosmetics Company Store 684	8555 Campeau Drive Ottawa ON K2T0K5	203.8	<u>28</u>
Cosmetics Company Store 684	8555 Campeau Drive Ottawa ON K2T0K5	203.8	<u>28</u>
American Eagle Outfitters Canada Corporation	8555 Campeau Drive Ottawa ON	203.8	<u>28</u>

HINC - TSSA Historic Incidents

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2500 PALLADIUM DRIVE RICHMOND ON	244.6	<u>36</u>
	2500 PALLADIUM DRIVE KANATA ON	244.6	<u>36</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
JEFFREY DOUGLAS MORRISON	8555 CAMPEAU DR.,,OTTAWA,ON,K2T 0K5, CA ON	203.8	28

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Jul 31, 2025 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
RioCan Management Inc.	333 Huntmar Drive, City of Ottawa, Ontario CITY OF OTTAWA ON	210.7	30

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug 2024; Oct-May 2025 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

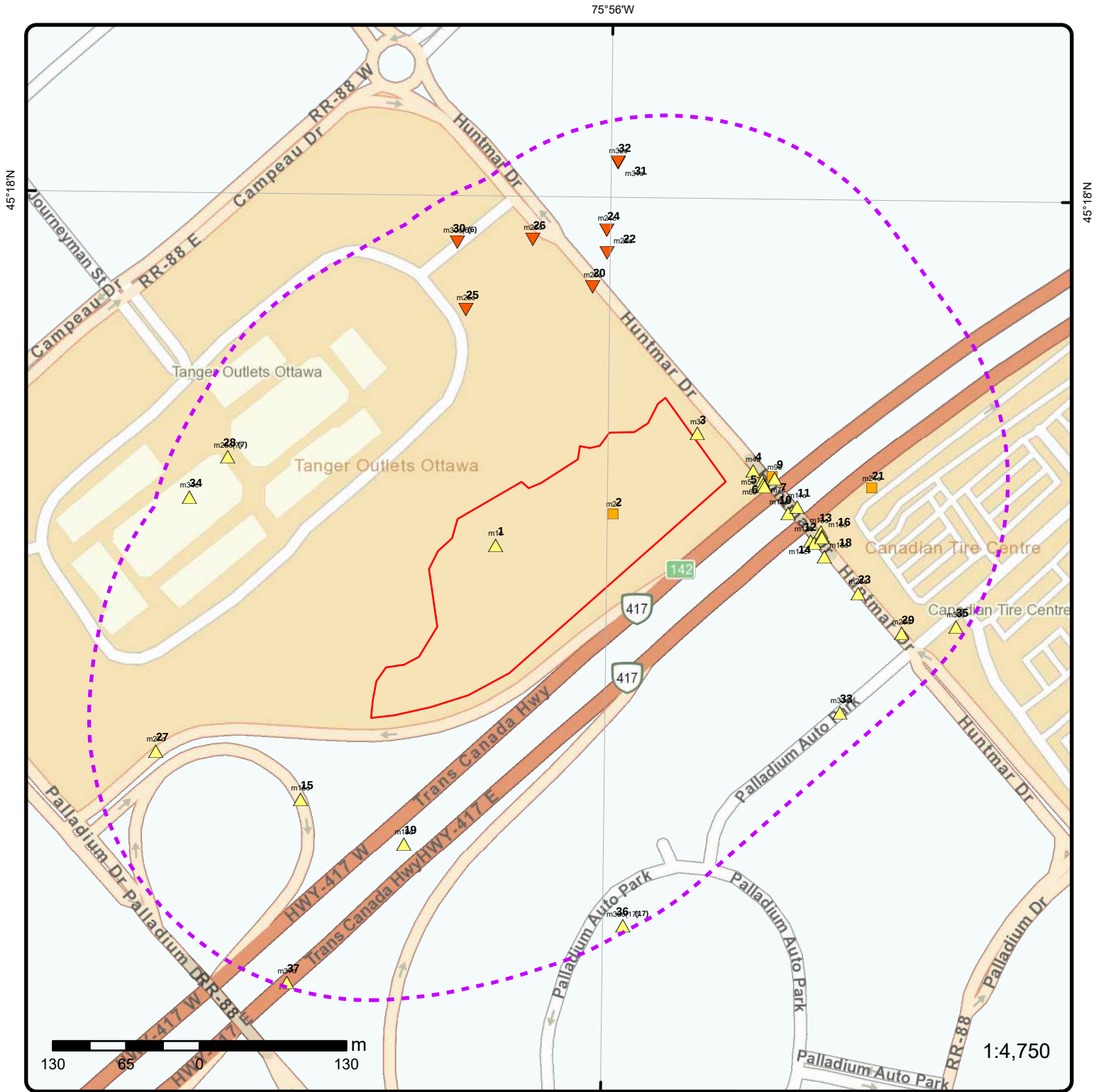
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	45.294829, -75.935586 OTTAWA ON	114.1	19
	#200 - 2500 Palladium Drive Ottawa ON	244.6	36

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 3 con 1 ON	157.6	25
	Well ID: 1503019		
	lot 3 con 1 ON	212.5	31

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1503285		
	lot 2 con 2 ON	221.5	<u>34</u>
	<i>Well ID:</i> 1529619		
	lot 2 con 1 ON	241.0	<u>35</u>
	<i>Well ID:</i> 1517399		



Map: 0.25 Kilometer Radius

Order Number: 25091200660

Address: 319 Huntmar Drive, Stittsville, ON



 Project Property	 Freeways; Highways	 Beach	 Shopping & Sports Area
 Buffer Outline	 Traffic Circle; Ramp	 Airport	 University/College
▲ Eris Sites with Higher Elevation	 Major Arterial; Minor Arterial	 Industrial Area	 Cemetery; Golf Course
■ Eris Sites with Same Elevation	 Local Road	 Military Base	 Parkt (National)
▼ Eris Sites with Lower Elevation	 Service Road; Traffic Circle; Ramp	 Aircraft Roads	 Park (City/County)
○ Eris Sites with Unknown Elevation	 Rail	 Native Reservation	
		 Hospital	

75°56'30"W

75°56'30"W

75°55'30"W

45°18'N

45°18'N

45°17'30"N

45°17'30"N



Aerial

Year: 2025

Order Number: 25091200660

Address: 319 Huntmar Drive, Stittsville, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

75°57'30"W 75°57'W 75°56'30"W 75°56'W 75°55'30"W 75°55'W 75°54'30"W

45°19'N

45°18'30"N

45°18'N

45°17'30"N

45°17'N

45°16'30"N

45°19'N

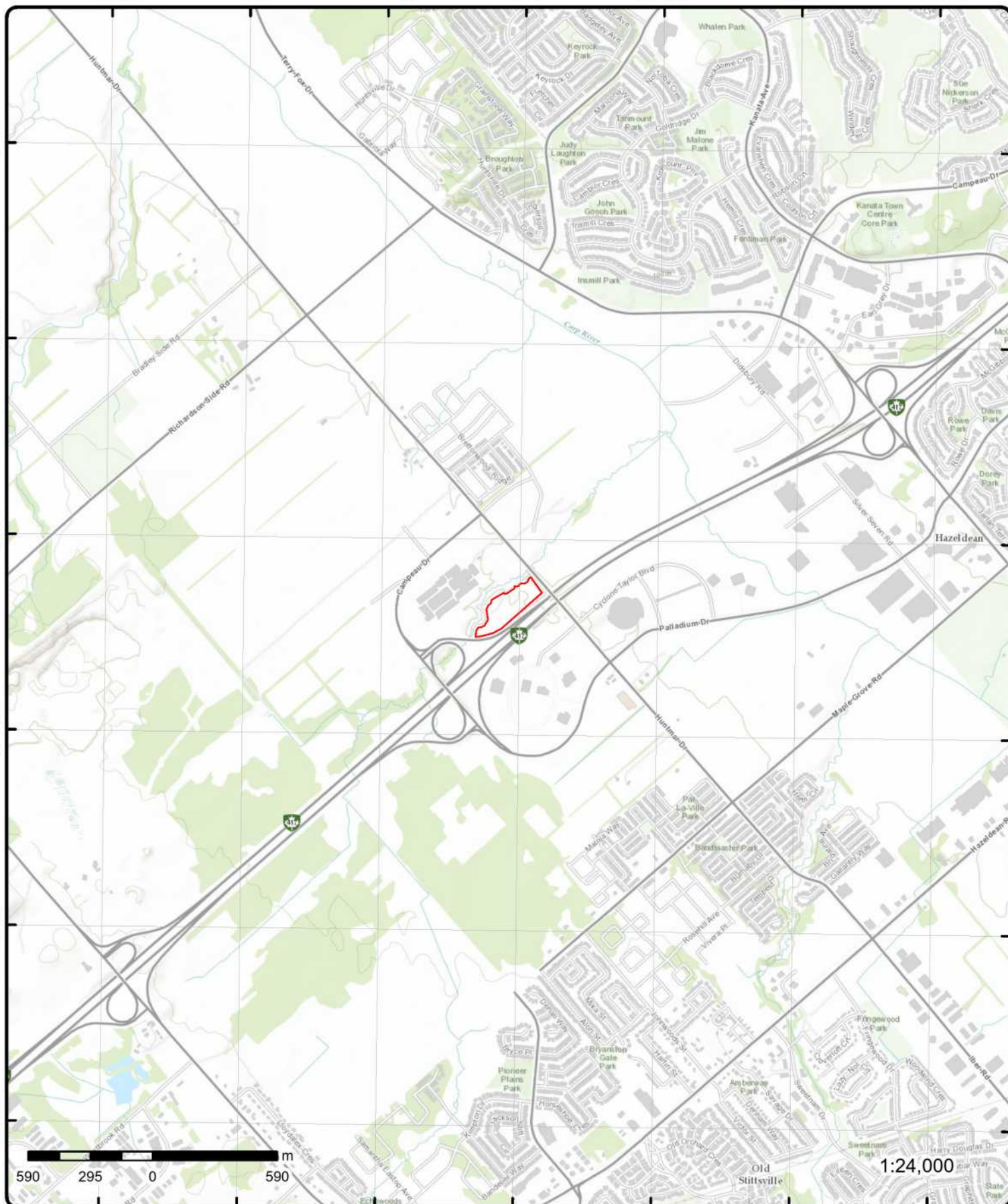
45°18'30"N

45°18'N

45°17'30"N

45°17'N

45°16'30"N



Topographic Map

Address: 319 Huntmar Drive, ON

Source: ESRI World Topographic Map

Order Number: 25091200660



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	W/0.0	99.9 / 1.00	Huntmar Drive Ottawa ON	EHS
Order No: 20200319234 Status: C Report Type: Standard Report Report Date: 24-MAR-20 Date Received: 19-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.9345891 Y: 45.297219			
<u>2</u>	1 of 1	ENE/0.0	98.9 / 0.00	The Burroughs Kanata LP 319 Huntmar DR Ottawa ON K2S 1B9	EASR
Approval No: R-009-6139609200 Status: REGISTERED Date: 2021-09-08 Record Type: EASR Link Source: MOFA Project Type: Water Taking - Construction Dewatering Full Address: Approval Type: EASR-Water Taking - Construction Dewatering SWP Area Name: PDF NAICS Code: PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2472294 PDF Site Location: 319 Huntmar Drive Ottawa ON K2S 1B9		MOE District: Municipality: Ottawa Latitude: 45.29722222 Longitude: -75.93388889 Geometry X: -8452921.8451000005 Geometry Y: 5668435.0402000016			
<u>3</u>	1 of 1	ENE/4.5	99.9 / 1.03	ON	BORE
Borehole ID: 609653 OGF ID: 215511269 Status: Type: Borehole Use: Completion Date: AUG-1970 Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: -999 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 100 Elev Reliabil Note: DEM Ground Elev m: 98.8 Concession: Location D: Survey D: Comments:		Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.298126 Longitude DD: -75.932325 UTM Zone: 18 Easting: 426901 Northing: 5016492 Location Accuracy: Accuracy: Not Applicable			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218383735			Mat Consistency:	
Top Depth:	14.9			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. SEISMIC VELOCITY = 13000. BEDROCK. SEISMIC VELOCITY = 17000. 0001802203600000005 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218383733			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED. SEISMIC VELOCITY = 2000.				
Geology Stratum ID:	218383734			Mat Consistency:	
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	14.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED. SEISMIC VELOCITY = 4600.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	L			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 02161 NTS_Sheet:				
Confiden 1:	Gives some indication of sub-surface condition but material is unknown.				
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
<u>4</u>	1 of 1	ENE/26.1	100.0 / 1.08	ON	BORE
Borehole ID:	847948			Inclin FLG:	No
OGF ID:	215589605			SP Status:	Initial Entry

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	05-JUL-1971			Municipality:	
Static Water Level:	1.8			Lot:	ROAD
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.297834
Total Depth m:	15.2			Longitude DD:	-75.93169
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426950
Drill Method:	Diamond Drill			Northing:	5016459
Orig Ground Elev m:	99.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	104				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6559351	Mat Consistency:	Stiff
Top Depth:	.3	Material Moisture:	
Bottom Depth:	11.9	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Silt - Sand	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, SILTY CLAY, TRACE OF SAND (SENSITIVE), OCC. SILT AND SAND PARTINGS. GREY, FIRM TO STIFF, SILT, GREY, COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6559350	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.3	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Topsoil	Geologic Formation:	
Material 2:	Clay	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAYEY TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6559352	Mat Consistency:	Loose
Top Depth:	11.9	Material Moisture:	
Bottom Depth:	15.2	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:	Silt - Sand - Gravel	Geologic Group:	
Material 3:	Clay	Geologic Period:	
Material 4:		Depositional Gen:	glacial
Gsc Material Description:			
Stratum Description:	REWORKED ZONE, LOOSE, NET.MIX.SILT, SAND AND GRAVEL, TRACE OF CLAY (GLACIAL TILL), DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

5	1 of 1	ENE/32.3	99.9 / 1.00	ON	BORE
Borehole ID:	848581	Inclin FLG:	No		
OGF ID:	215590202	SP Status:	Initial Entry		
Status:	Decommissioned	Surv Elev:	No		
Type:	Borehole	Piezometer:	No		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	08-NOV-1994			Municipality:	
Static Water Level:				Lot:	ROAD
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.297754
Total Depth m:	9.9			Longitude DD:	-75.931587
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426958
Drill Method:	Not known			Northing:	5016450
Orig Ground Elev m:	100			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	103				
Concession:					
Location D:					
Survey D:					
Comments:					
 <u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6561466			Mat Consistency:	Compact
Top Depth:	0			Material Moisture:	
Bottom Depth:	6.4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Fill			Geologic Period:	
Material 4:	cobble			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT TO VERY DENSE, BROWN SAND, TRACE TO SOME GRAVEL: FILL, OCCASIONAL COBBLES **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561467			Mat Consistency:	Compact
Top Depth:	6.4			Material Moisture:	
Bottom Depth:	8.4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Fine Sand			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT, BROWN SAND, OCCASIONAL SILT POCKETS, GRADES TO FINE SAND: FILL, SILTY SAND SEAM **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561465			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.4			Material Texture:	
Material Color:				Non Geo Mat Type:	Asphalt
Material 1:	Asphalt			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	150 MM ASPHALT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561468			Mat Consistency:	Stiff
Top Depth:	8.4			Material Moisture:	
Bottom Depth:	9.9			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	STIFF, GREY, SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	ENE/33.3	99.9 / 1.00	ON	BORE
Borehole ID:		847941	Inclin FLG:		No
OGF ID:		215589598	SP Status:		Initial Entry
Status:		Decommissioned	Surv Elev:		No
Type:		Borehole	Piezometer:		No
Use:		Geotechnical/Geological Investigation	Primary Name:		
Completion Date:		24-JUN-1971	Municipality:		
Static Water Level:		2.0	Lot:		ROAD
Primary Water Use:			Township:		HUNTLEY
Sec. Water Use:			Latitude DD:		45.297727
Total Depth m:		22.9	Longitude DD:		-75.931574
Depth Ref:		Ground Surface	UTM Zone:		18
Depth Elev:			Easting:		426959
Drill Method:		Diamond Drill	Northing:		5016447
Orig Ground Elev m:		99.5	Location Accuracy:		
Elev Reliabil Note:			Accuracy:		Within 10 metres
DEM Ground Elev m:		103			
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:		6559326	Mat Consistency:		Loose
Top Depth:		11.3	Material Moisture:		
Bottom Depth:		21.3	Material Texture:		
Material Color:		Grey	Non Geo Mat Type:		
Material 1:		Till	Geologic Formation:		
Material 2:		Silt - Sand - Gravel	Geologic Group:		
Material 3:		Silt	Geologic Period:		
Material 4:		Boulders	Depositional Gen:		glacial
Gsc Material Description:					
Stratum Description:		REWORKED ZONE, LOOSE, NET.MIX. OF SILT, SAND AND GRAVEL, TRACE OF SILT (GLACIAL TILL), GREY, COMPACT TO VERY DENSE, BOULDERY ZONE (BOULDERS UP TO 7in. IN SIZE) **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:		6559324	Mat Consistency:		
Top Depth:		0	Material Moisture:		
Bottom Depth:		.3	Material Texture:		
Material Color:			Non Geo Mat Type:		
Material 1:		Topsoil	Geologic Formation:		
Material 2:			Geologic Group:		
Material 3:			Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:		6559325	Mat Consistency:		Stiff
Top Depth:		.3	Material Moisture:		
Bottom Depth:		11.3	Material Texture:		
Material Color:		Grey	Non Geo Mat Type:		
Material 1:		Clay	Geologic Formation:		
Material 2:		Silt	Geologic Group:		
Material 3:		Clay	Geologic Period:		
Material 4:		Sand	Depositional Gen:		
Gsc Material Description:					
Stratum Description:		DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, SILTY CLAY TO CLAY (SENSITIVE), TRACE OF SAND, GREY, FIRM TO STIFF.			
Geology Stratum ID:		6559327	Mat Consistency:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth:	21.3			Material Moisture:	
Bottom Depth:	22.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Bedrock			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK-LIMESTONE WITH SHALE INTERBEDS, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.				

<u>7</u>	1 of 1	ENE/34.5	99.9 / 1.00	ON	BORE
Borehole ID:	848692			Inclin FLG:	No
OGF ID:	215590312			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	02-JUN-1992			Municipality:	
Static Water Level:				Lot:	ROAD
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.297709
Total Depth m:	3.7			Longitude DD:	-75.931561
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426960
Drill Method:	Power auger			Northing:	5016445
Orig Ground Elev m:	102			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	103				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6561887			Mat Consistency:	Compact
Top Depth:	.1			Material Moisture:	
Bottom Depth:	2.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	cobble			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND AND GRAVEL TRACE SILT OCC COBBLES FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561886			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:	Roots			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BROWN TOPSOIL ROOTMAT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561888			Mat Consistency:	Compact
Top Depth:	2.6			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	cobble			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND AND GRAVEL TRACE SILT FREQUENT COBBLES AND BOULDERS FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				

8	1 of 1	ENE/41.5	98.9 / 0.00	ON	BORE
Borehole ID:	847942			Inclin FLG:	No
OGF ID:	215589599			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	28-JUN-1971			Municipality:	
Static Water Level:	1.7			Lot:	ROAD
Primary Water Use:				Township:	MARCH
Sec. Water Use:				Latitude DD:	45.297791
Total Depth m:	22.6			Longitude DD:	-75.931473
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426967
Drill Method:	Diamond Drill			Northing:	5016454
Orig Ground Elev m:	99.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	104				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6559329			Mat Consistency:	Stiff
Top Depth:	.3			Material Moisture:	
Bottom Depth:	11.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, CLAY TO SILTY CLAY, TRACE OF SAND (SENSITIVE), OCC. SILT PARTINGS THROUGHOUT. GREY, FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559330			Mat Consistency:	Loose
Top Depth:	11.6			Material Moisture:	
Bottom Depth:	21			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt - Sand - Gravel			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Silt			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	REWORKED ZONE, LOOSE, NET.MIX. OF SILT, SAND AND GRAVEL (GLACIAL TILL), OCC. LAYERS SILTY SAND AND SANDY SILT UP TO 2' THICK THROUGHOUT. GREY, DENSE TO VERY DENSE.				
Geology Stratum ID:	6559328			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Topsoil Clay			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6559331 21 22.6 Bedrock Limestone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		CLAYEY TOPSOIL	**Note: Many records provided by the department have a truncated [Stratum Description] field.		
		BEDROCK - LIMESTONE, SOUND	**Note: Many records provided by the department have a truncated [Stratum Description] field.		

<u>9</u>	1 of 1	ENE/43.4	99.9 / 1.00	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	848691 215590311 Decommissioned Borehole Geotechnical/Geological Investigation 02-JUN-1992 3.2 Ground Surface Power auger 102 104 			Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No ROAD MARCH 45.297773 -75.931447 18 426969 5016452 Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6561884 .1 2.9 Brown Sand Gravel Silt cobble COMPACT BROWN SAND AND GRAVEL TRACE SILT OCC COBBLES FILL			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Compact **Note: Many records provided by the department have a truncated [Stratum Description] field.
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3:	6561883 0 .1 Brown Topsoil Roots			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BROWN TOPSOIL ROOTMAT **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:		6561885	Mat Consistency:		Compact
Top Depth:		2.9	Material Moisture:		
Bottom Depth:		3.2	Material Texture:		
Material Color:		Brown	Non Geo Mat Type:		
Material 1:		Sand	Geologic Formation:		
Material 2:		Gravel	Geologic Group:		
Material 3:		Fill	Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		COMPACT BROWN SAND TRACE TO SOME GRAVEL FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
10	1 of 1	E/62.2	99.9 / 1.00	ON	BORE
Borehole ID:		847943	Inclin FLG:		No
OGF ID:		215589600	SP Status:		Initial Entry
Status:		Decommissioned	Surv Elev:		No
Type:		Borehole	Piezometer:		No
Use:		Geotechnical/Geological Investigation	Primary Name:		
Completion Date:		28-JUN-1971	Municipality:		
Static Water Level:		2.0	Lot:		ROAD
Primary Water Use:			Township:		HUNTLEY
Sec. Water Use:			Latitude DD:		45.297495
Total Depth m:		21.6	Longitude DD:		-75.931289
Depth Ref:		Ground Surface	UTM Zone:		18
Depth Elev:			Easting:		426981
Drill Method:		Diamond Drill	Northing:		5016421
Orig Ground Elev m:		99.5	Location Accuracy:		
Elev Reliabil Note:			Accuracy:		Within 10 metres
DEM Ground Elev m:		104			
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:		6559334	Mat Consistency:		Loose
Top Depth:		12.2	Material Moisture:		
Bottom Depth:		20.4	Material Texture:		
Material Color:		Grey	Non Geo Mat Type:		
Material 1:		Till	Geologic Formation:		
Material 2:		Silt - Sand - Gravel	Geologic Group:		
Material 3:		Clay	Geologic Period:		
Material 4:		Sand	Depositional Gen:		glacial
Gsc Material Description:					
Stratum Description:		REWORKED ZONE, LOOSE, NET.MIX.OF SILT, SAND AND GRAVEL, TRACE OF CLAY (GLACIAL TILL), OCC LAYERS OF SILTY SAND TO SANDY SILT UP TO 3in. THICK BELOW ELEVATION 270. GREY, COMPACT TO VERY DENSE.			
Geology Stratum ID:		6559335	Mat Consistency:		
Top Depth:		20.4	Material Moisture:		
Bottom Depth:		21.6	Material Texture:		
Material Color:			Non Geo Mat Type:		
Material 1:		Bedrock	Geologic Formation:		
Material 2:		Limestone	Geologic Group:		
Material 3:		Shale	Geologic Period:		
Material 4:			Depositional Gen:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Gsc Material Description:					
Stratum Description:		BEDROCK - LIMESTONE WITH INTERBEDS OF SHALE, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6559333			Mat Consistency:	Stiff
Top Depth:	.3			Material Moisture:	
Bottom Depth:	12.2			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, CLAY TO SILTY CLAY, TRACE OF SAND (SENSITIVE), OCC. SILT PARTINGS THROUGHOUT, GREY, FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6559332			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.			

11	1 of 1	E/67.2	99.7 / 0.85	ON	BORE
Borehole ID:	847944			Inclin FLG:	No
OGF ID:	215589601			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	JUN-1971			Municipality:	
Static Water Level:	1.4			Lot:	ROAD
Primary Water Use:				Township:	MARCH
Sec. Water Use:				Latitude DD:	45.29755
Total Depth m:	21.6			Longitude DD:	-75.931188
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426989
Drill Method:	Diamond Drill			Northing:	5016427
Orig Ground Elev m:	98.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	105				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6559338			Mat Consistency:	Compact
Top Depth:	11.9			Material Moisture:	
Bottom Depth:	20.1			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt - Sand - Gravel			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:		REWORKED ZONE, COMPACT, NET.MIX.OF SILT, SAND AND GRAVEL, TRACE OF CLAY (GLACIAL TILL),			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
GREY, COMPACT TO VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID:	6559339			Mat Consistency:	
Top Depth:	20.1			Material Moisture:	
Bottom Depth:	21.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK - LIMESTONE INTERBEDS OF SHALE, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559336			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAYEY TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559337			Mat Consistency:	Stiff
Top Depth:	.3			Material Moisture:	
Bottom Depth:	11.9			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Silt			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, CLAY TO SILTY CLAY, TRACE OF SAND (SENSITIVE), OCC. SILT PARTINGS THROUGHOUT. GREY, FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.				

<u>12</u>	1 of 1	E/91.8	99.9 / 1.00	ON	BORE
Borehole ID:	848695			Inclin FLG:	No
OGF ID:	215590315			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	02-JUN-1992			Municipality:	
Static Water Level:				Lot:	ROAD
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.297281
Total Depth m:	2.5			Longitude DD:	-75.931031
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427001
Drill Method:	Power auger			Northing:	5016397
Orig Ground Elev m:	101			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	103				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	6561897			Mat Consistency:	Compact
Top Depth:	1.4			Material Moisture:	
Bottom Depth:	2.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt - Gravel			Geologic Group:	
Material 3:	Boulders			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND SOME TRACE SILT AND GRAVEL FREQUENT BOULDERS FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561895			Mat Consistency:	Compact
Top Depth:	0			Material Moisture:	
Bottom Depth:	.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND AND GRAVEL TRACE SILT FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561896			Mat Consistency:	Compact
Top Depth:	.6			Material Moisture:	
Bottom Depth:	1.4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND SOME GRAVEL TRACE SILT FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				

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1 of 1

E/95.3

99.9 / 1.00

ON

BORE

Borehole ID:	848696	Inclin FLG:	No
OGF ID:	215590316	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	02-JUN-1992	Municipality:	
Static Water Level:		Lot:	ROAD
Primary Water Use:		Township:	MARCH
Sec. Water Use:		Latitude DD:	45.297354
Total Depth m:	3.7	Longitude DD:	-75.930917
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	427010
Drill Method:	Power auger	Northing:	5016405
Orig Ground Elev m:	101	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	103		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6561902	Mat Consistency:	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth:	2.8			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Roots			Geologic Period:	
Material 4:	Topsoil			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FIRM SILTY CLAY INTERMIXED WITH ROOTS AND TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561901			Mat Consistency:	Compact
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	2.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Granite			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND TRACE SILT AND GRAVEL FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561898			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BROWN TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561899			Mat Consistency:	Compact
Top Depth:	.2			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND AND GRAVEL TRACE OF SILT FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561900			Mat Consistency:	Compact
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Cobbles - Bolders			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SAND AND GRAVEL TRACE OF SILT OCC COBBLES AND BOULDERS FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
14	1 of 1	E/95.4	99.9 / 1.00	ON	BORE
Borehole ID:	847945			Inclin FLG:	No
OGF ID:	215589602			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	Geotechnical/Geological Investigation JUN-1971 2.0 21 Ground Surface Diamond Drill 99.8 104 			Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	 ROAD HUNTLEY 45.297263 -75.930992 18 427004 5016395 Within 10 metres
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6559341 .3 12.8 Grey Clay Silt Sand Silt 			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	 Stiff
DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, CLAY TO SILTY CLAY, TRACE OF SAND (SENSITIVE), OCC. SILT PARTINGS THROUGHOUT. GREY, FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6559340 0 .3 Topsoil 			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6559342 12.8 19.5 Till Silt - Sand - Gravel Sand Silt 			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	 glacial
REWORKED ZONE, LOOSE, NET.MIX.OF SILT, SAND AND GRAVEL (GLACIAL TILL), OCC. LAYERS OF SILTY SAND TO SANDY SILT UP TO 2in. THICK THROUGHOUT, COMPACT TO VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description:	6559343 19.5 21 Bedrock Limestone Shale 			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum Description:		BEDROCK - LIMESTONE, INTERBEDS OF SHALE, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.			
15	1 of 1	SW/95.7	99.7 / 0.79	ON	BORE
Borehole ID:	848686			Inclin FLG:	No
OGF ID:	215590306			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	06-MAY-1992			Municipality:	
Static Water Level:				Lot:	LOT 3
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.295173
Total Depth m:	6.1			Longitude DD:	-75.936761
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426549
Drill Method:	Power auger			Northing:	5016168
Orig Ground Elev m:	99.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	101				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6561871			Mat Consistency:	Stiff
Top Depth:	.3			Material Moisture:	
Bottom Depth:	4.2			Material Texture:	
Material Color:	Grey-Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	STIFF TO FIRM MOTTLED GREY AND BROWN SILTY CLAY TRACE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561869			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Organic			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	75mm DARK BROWN ORGANIC SANDY SILTY CLAY ROOTMAT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561872			Mat Consistency:	Loose
Top Depth:	4.2			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	sand silt			Geologic Group:	
Material 3:	Clay - Gravel - Cobbles			Geologic Period:	
Material 4:	Boulders			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE TO DENSE GREY MATRIX OF SAND SILT CLAY AND GRAVEL OCC COBBLES AND BOULDERS TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	6561870			Mat Consistency:	Compact
Top Depth:	.1			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT BROWN SILTY SAND TRACE CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				

16	1 of 1	E/98.1	99.9 / 1.00	ON	BORE
Borehole ID:	847946			Inclin FLG:	No
OGF ID:	215589603			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	05-JUL-1971			Municipality:	
Static Water Level:	1.2			Lot:	ROAD
Primary Water Use:				Township:	MARCH
Sec. Water Use:				Latitude DD:	45.297318
Total Depth m:	20			Longitude DD:	-75.930904
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427011
Drill Method:	Diamond Drill			Northing:	5016401
Orig Ground Elev m:	99.7			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	104				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6559346	Mat Consistency:	Compact
Top Depth:	12.2	Material Moisture:	
Bottom Depth:	18.7	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:	Silt - Sand - Gravel	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Silt	Depositional Gen:	glacial
Gsc Material Description:			
Stratum Description:	REWORKED ZONE, LOOSE, NET.MIX.OF SILT, SAND AND GRAVEL (GLACIAL TILL), OCC. LAYERS OF SILTY SAND TO SANDY SILT UP TO 2in. THICK THROUGHOUT, COMPACT TO VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.		
Geology Stratum ID:	6559345	Mat Consistency:	Stiff
Top Depth:	.3	Material Moisture:	
Bottom Depth:	12.2	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Silt	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, CLAY TO SILTY CLAY, TRACE OF SAND (SENSITIVE), OCC. PARTINGS AND SEAMS OF SILT UPT TO 2in. THICK THROUGHOUT. GREY, FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	6559347			Mat Consistency:	
Top Depth:	18.7			Material Moisture:	
Bottom Depth:	20			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK - LIMESTONE, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559344			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
17	1 of 1	E/98.6	99.9 / 1.00	ON	BORE
Borehole ID:	848580			Inclin FLG:	No
OGF ID:	215590201			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	08-NOV-1994			Municipality:	
Static Water Level:				Lot:	ROAD
Primary Water Use:				Township:	MARCH
Sec. Water Use:				Latitude DD:	45.297309
Total Depth m:	10			Longitude DD:	-75.930904
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427011
Drill Method:	Not known			Northing:	5016400
Orig Ground Elev m:	100			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	104				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6561458			Mat Consistency:	Loose
Top Depth:	.4			Material Moisture:	
Bottom Depth:	3.9			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE TO COMPACT, GRAVELLY BROWN SAND GRADING TO SAND, SOME GRAVEL: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561460			Mat Consistency:	Very Dense
Top Depth:	4.8			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth:	6.4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	cobble			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY DENSE TO DENSE, ROWN GRAVELLY SAND, OCCASIONAL COBBLES: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561459			Mat Consistency:	Very Loose
Top Depth:	3.9			Material Moisture:	
Bottom Depth:	4.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY LOOSE, BROWN SAND, OCCASIONAL POCKETS OF SILTY SAND: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561461			Mat Consistency:	Compact
Top Depth:	6.4			Material Moisture:	
Bottom Depth:	7.2			Material Texture:	Fine
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Fill			Geologic Group:	
Material 3:	Light-coloured			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT, LIGHT BROWN, FINE SAND: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561464			Mat Consistency:	Firm
Top Depth:	8.7			Material Moisture:	
Bottom Depth:	10			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FIRM TO VERY STIFF, GREY SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561457			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.4			Material Texture:	
Material Color:				Non Geo Mat Type:	Asphalt
Material 1:	Asphalt			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	150 MM ASPHALT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561462			Mat Consistency:	Compact
Top Depth:	7.2			Material Moisture:	
Bottom Depth:	8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	cobble			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum Description:		COMPACT TO DENSE, BROWN, GRAVELLY SAND, OCCASIONAL COBBLES: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6561463			Mat Consistency:	Compact
Top Depth:	8			Material Moisture:	
Bottom Depth:	8.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Fill			Depositional Gen:	
Gsc Material Description:					
Stratum Description:		COMPACT, GREY, SILT AND SAND, SOME GRAVEL, TRACE ASHES: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
<u>18</u>	1 of 1	E/109.7	99.9 / 1.00	ON	BORE
Borehole ID:	847947			Inclin FLG:	No
OGF ID:	215589604			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	01-JUL-1971			Municipality:	
Static Water Level:	1.9			Lot:	ROAD
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.297156
Total Depth m:	18.8			Longitude DD:	-75.930876
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427013
Drill Method:	Diamond Drill			Northing:	5016383
Orig Ground Elev m:	99.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	104				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6559349			Mat Consistency:	Compact
Top Depth:	11.9			Material Moisture:	
Bottom Depth:	18.8			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Silt - Sand - Gravel			Geologic Period:	
Material 4:	Clay			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:		SILT, GREY, COMPACT, NET.MIX.OF SILT, SAND AND GRAVEL, TRACE OF CLAY (GLACIAL TILL), OCC. SAND SEAMS UP TO 6in. THICK, GREY, COMPACT TO VERY DENSE **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6559348			Mat Consistency:	Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	11.9			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Silt			Depositional Gen:	
Gsc Material Description:					
Stratum Description:		DESICCATED ZONE, MOTTLED GREY AND BROWN, STIFF TO VERY STIFF, CLAY TO SILTY CLAY, TRACE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
OF SAND (SENSITIVE), OCC. PARTINGS OF SILT THROUGHOUT. GREY, FIRM TO STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.					
19	1 of 1	SW/114.1	99.9 / 1.00	45.294829, -75.935586 OTTAWA ON	SPL
Ref No:		1-H4PEQ3		Municipality No:	
Year:				Nature of Damage:	
Incident Dt:		Feb 7,2025 1:20:17 PM		Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:		Feb 7,2025 1:20:17 PM		Impact to Health:	
Dt Document Closed:				Agency Involved:	
Site No:					
MOE Response:		Desktop Response			
Site County/District:					
Site Geo Ref Meth:					
Site District Office:		Ottawa District Office			
Nearest Watercourse:					
Site Name:					
Site Address:		45.294829, -75.935586			
Site Region:					
Site Municipality:		OTTAWA			
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					
Entity Operating Name:					
Client Name:					
Client Type:		Private Business			
Source Type:		Truck - Transport/Hauling			
Incident Cause:					
Incident Preceding Spill:		Tank Rupture			
Incident Reason:		Other (Specify)			
Incident Summary:		Late Report - Feb 4, 2025, EFI Global: TT 300L Diesel, ctnrd			
Environment Impact:					
Health Env Consequence:		Low			
Nature of Impact:					
Contaminant Qty:		300 litre (L)			
Contaminant Qty 1:					
Contaminant Unit:					
Contaminant Code:					
Contaminant Name:		DIESEL FUEL			
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:		Land			
Activity Preceding Spill:		Transportation			
Property 2nd Watershed:		02K Central Ottawa River			
Property Tertiary Watershed:		02KF Mississippi River - Central Ottawa River			
Sector Type:		GENERAL FREIGHT TRUCKING, LONG DISTANCE, TRUCK-LOAD			
SAC Action Class:					
Call Report Locatn Geodata:		{ "integration_ids": ["PR00004335102"], "wks": ["POINT (-75.9355860000 45.2948290000)"], "creation_date": "2025-02-07" }			
Time Reported:					
System Facility Address:					
20	1 of 1	NNE/117.5	97.9 / -1.00	ON	BORE
Borehole ID:		847949		Inclin FLG:	
OGF ID:		215589606		SP Status:	
				No Initial Entry	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Decommissioned Type: Borehole Use: Geotechnical/Geological Investigation Completion Date: 20-DEC-1971 Static Water Level: 1.5 Primary Water Use: Sec. Water Use: Total Depth m: 12.8 Depth Ref: Ground Surface Depth Elev: Drill Method: Diamond Drill Orig Ground Elev m: 97.7 Elev Reliabil Note: DEM Ground Elev m: 98.7 Concession: Location D: Survey D: Comments: Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: ROAD Township: HUNTLEY Latitude DD: 45.299286 Longitude DD: -75.933525 UTM Zone: 18 Easting: 426808 Northing: 5016622 Location Accuracy: Accuracy: Within 10 metres					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 6559353 Top Depth: 0 Bottom Depth: 1.5 Material Color: Brown Material 1: Fill Material 2: Clay Material 3: Silt Material 4: Boulders Gsc Material Description: Stratum Description: Mat Consistency: Dense Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
FILL - SILTY CLAY WITH OCC. BOULDER. DENSE, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID: 6559354 Top Depth: 1.5 Bottom Depth: 8.8 Material Color: Grey Material 1: Clay Material 2: Silt Material 3: Material 4: Gsc Material Description: Stratum Description: Mat Consistency: Soft Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
SILTY CLAY, SOFT TO STIFF, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID: 6559355 Top Depth: 8.8 Bottom Depth: 12.8 Material Color: Grey Material 1: Till Material 2: Silt - Sand - Gravel Material 3: Clay Material 4: Gsc Material Description: Stratum Description: Mat Consistency: Compact Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: glacial					
HET.MIX.OF SILT, SAND AND GRAVEL, WITH SOME CLAY. GLACIAL TILL, COMPACT TO VERY DENSE, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.					
21	1 of 1	E/129.4	98.9 / 0.00	ON	BORE
Borehole ID: 848697 OGF ID: 215590317 Status: Decommissioned Type: Borehole Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	20-JUN-1992			Municipality:	
Static Water Level:				Lot:	LOT 3
Primary Water Use:				Township:	MARCH
Sec. Water Use:				Latitude DD:	45.29771
Total Depth m:	1.5			Longitude DD:	-75.930349
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427055
Drill Method:	Power auger			Northing:	5016444
Orig Ground Elev m:	100			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	100				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6561905	Mat Consistency:	Compact
Top Depth:	.4	Material Moisture:	
Bottom Depth:	1.5	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Fill	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	COMPACT BROWN SAND TRACE SILT FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561903	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.5	Material Texture:	
Material Color:		Non Geo Mat Type:	Asphalt
Material 1:	Asphalt	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	50mm ASPHALT **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6561904	Mat Consistency:	Very Dense
Top Depth:	.1	Material Moisture:	
Bottom Depth:	.4	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	
Material 2:	Gravel	Geologic Group:	
Material 3:	Silt	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	VERY DENSE BROWN SAND AND GRAVEL TRACE SILT BASE AND SUBBASE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

[22](#)

1 of 1

NNE/138.4

97.9 / -1.00

ON

BORE

Borehole ID:	609657	Inclin FLG:	No
OGF ID:	215511273	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:		Municipality:	
Static Water Level:	1.5	Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.299558
Total Depth m:	-999			Longitude DD:	-75.933369
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426821
Drill Method:				Northing:	5016652
Orig Ground Elev m:	97.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	99.2				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218383741			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				
Geology Stratum ID:	218383744			Mat Consistency:	
Top Depth:	21.3			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK,LIMESTONE. SEISMIC VELOCITY = 13000. BEDROCK. SEISMIC VELOCITY = 17000. 0001802				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218383743			Mat Consistency:	
Top Depth:	15.8			Material Moisture:	
Bottom Depth:	21.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Boulders			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BOULDERS,SAND.				
Geology Stratum ID:	218383742			Mat Consistency:	
Top Depth:	9.1			Material Moisture:	
Bottom Depth:	15.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	GRAVEL,SAND. WATER STABLE AT 315.0 FEET.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Geological Survey of Canada 1956-1972 M			Source Iden: Scale or Res: Horizontal: Verticalda:	1 Varies NAD27 Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 021650 NTS_Sheet: 31G05D Confiden 1: Reliable information but incomplete.					
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
23	1 of 1	E/153.4	99.9 / 1.00	PCL EASTERN INC. 280 HUNTMAR ROAD STITTSVILLE ON K2S 1B9	GEN
Generator Info					
Generator No: Approval Years: Status: PO Box No: Country: Co Admin: Phone No Admin: SIC Description:	ON1904800 94,95,96,97,98 INSTITUTIONAL BLDG.			Choice of Contact: Contaminated Fac: MHSW Facility: SIC Code:	 4023
Waste Detail(s)					
Waste Class: Waste Class Name:	212 ALIPHATIC SOLVENTS				
Waste Detail(s)					
Waste Class: Waste Class Name:	221 LIGHT FUELS				
Waste Detail(s)					
Waste Class: Waste Class Name:	251 OIL SKIMMINGS & SLUDGES				
Waste Detail(s)					
Waste Class: Waste Class Name:	252 WASTE OILS & LUBRICANTS				
Waste Detail(s)					
Waste Class: Waste Class Name:	253 EMULSIFIED OILS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Waste Detail(s)</u>					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>24</u>	1 of 1	NNE/157.1	97.6 / -1.31	ON	BORE
Borehole ID:	609658			Inclin FLG:	No
OGF ID:	215511274			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.299738
Total Depth m:	-999			Longitude DD:	-75.933372
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426821
Drill Method:				Northing:	5016672
Orig Ground Elev m:	100			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	99				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218383748			Mat Consistency:	
Top Depth:	15.2			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK,LIMESTONE. BOULDERS,SAND. BEDROCK,LIMESTONE. SEISMIC VELOCITY = 13000. BEDROC				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218383746			Mat Consistency:	
Top Depth:	12.8			Material Moisture:	
Bottom Depth:	13.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	GRAVEL.				
Geology Stratum ID:	218383745			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	12.8			Material Texture:	
Material Color:				Non Geo Mat Type:	

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		09/05/1957			
Year Completed:		1957			
Depth (m):		27.1272			
Latitude:		45.2990943379958			
Longitude:		-75.9349557537594			
X:		-75.934955592948			
Y:		45.29909433138686			
Path:		150\1503019.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10025062			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	426695.60
Code OB Desc:				North83:	5016602.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	09/05/1957			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Location Method Desc:		Original Pre1985 UTM Rel Code 9: unknown UTM			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	930995798				
Layer:	2				
Color:					
General Color:					
Material 1:	14				
Material 1 Desc:	HARDPAN				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	50.0				
Formation End Depth:	60.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	930995800				
Layer:	4				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	61.0				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		89.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930995797			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930995799			
Layer:		3			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		60.0			
Formation End Depth:		61.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961503019			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10573632			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930042905			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		62.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930042906			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		89.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503019			
Pump Set At:					
Static Level:		15.0			
Final Level After Pumping:		27.0			
Recommended Pump Depth:					
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933455851			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		87.0			
Water Found Depth UOM:		ft			

<u>26</u>	1 of 1	N/182.9	97.9 / -1.00	ON	BORE
Borehole ID:	848698			Inclin FLG:	No
OGF ID:	215590318			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	02-JUN-1992			Municipality:	
Static Water Level:				Lot:	LOT 3
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.299659
Total Depth m:	.5			Longitude DD:	-75.934207
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426755
Drill Method:	Power auger			Northing:	5016664
Orig Ground Elev m:				Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	98.9				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Concession: Location D: Survey D: Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6561906			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	0			Material Texture:	
Material Color:				Non Geo Mat Type:	Asphalt
Material 1:	Asphalt			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	40mm ASPHALT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561908			Mat Consistency:	
Top Depth:	.5			Material Moisture:	
Bottom Depth:	.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	STIFF BROWN SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561907			Mat Consistency:	Very Dense
Top Depth:	0			Material Moisture:	
Bottom Depth:	.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY DENSE BROWN SAND AND GRAVEL TRACE SILT BASE AND SUBBASE **Note: Many records provided by the department have a truncated [Stratum Description] field.				
27	1 of 1	WSW/192.9	99.9 / 1.00	ON	BORE
Borehole ID:	848685			Inclin FLG:	No
OGF ID:	215590305			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	06-MAY-1992			Municipality:	
Static Water Level:				Lot:	LOT 3
Primary Water Use:				Township:	HUNTLEY
Sec. Water Use:				Latitude DD:	45.295547
Total Depth m:	1.6			Longitude DD:	-75.9384
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426421
Drill Method:	Power auger			Northing:	5016211
Orig Ground Elev m:	102			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	103				
Concession:					
Location D:					
Survey D:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6561868			Mat Consistency:	Firm
Top Depth:	.2			Material Moisture:	
Bottom Depth:	1.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FIRM BROWN SILTY CLAY TRACE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6561867			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Organic			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	150mm DARK BROWN ORGANIC SANDY SILY CLAY ROOTMAT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<u>28</u>	1 of 7	WNW/203.8	99.9 / 1.00	TIMMINS SQUARE LIMITED PARTNERSHIP 8555 CAMPEAU DR KANATA ON K2T 0K5	EASR
Approval No:	R-009-2596290189			MOE District:	Ottawa
Status:	REGISTERED			Municipality:	KANATA
Date:	2016-05-20			Latitude:	45.29888889
Record Type:	EASR			Longitude:	-75.93527778
Link Source:	MOFA			Geometry X:	
Project Type:	Water Taking - Construction Dewatering			Geometry Y:	
Full Address:					
Approval Type:	EASR-Water Taking - Construction Dewatering				
SWP Area Name:	Mississippi Valley				
PDF NAICS Code:					
PDF URL:					
PDF Site Location:					
<u>28</u>	2 of 7	WNW/203.8	99.9 / 1.00	Cosmetics Company Store 684 8555 Campeau Drive Ottawa ON K2T0K5	GEN
<u>Generator Info</u>					
Generator No:	ON4399638			Choice of Contact:	
Approval Years:	As of Nov 2021			Contaminated Fac:	
Status:	Registered			MHSW Facility:	
PO Box No:				SIC Code:	
Country:	Canada				
Co Admin:					
Phone No Admin:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Waste Detail(s)</u>					
Waste Class:		331 I			
Waste Class Name:		Waste compressed gases including cylinders			
<u>Waste Detail(s)</u>					
Waste Class:		331 L			
Waste Class Name:		Waste compressed gases including cylinders			
<u>28</u>	3 of 7	WNW/203.8	99.9 / 1.00	Cosmetics Company Store 684 8555 Campeau Drive Ottawa ON K2T0K5	GEN
<u>Generator Info</u>					
Generator No:	ON4399638			Choice of Contact:	
Approval Years:	As of Oct 2022			Contaminated Fac:	
Status:	Registered			MHSW Facility:	
PO Box No:				SIC Code:	
Country:	Canada				
Co Admin:					
Phone No Admin:					
SIC Description:					
<u>Waste Detail(s)</u>					
Waste Class:		331 L			
Waste Class Name:		WASTE COMPRESSED GASES			
<u>Waste Detail(s)</u>					
Waste Class:		331 I			
Waste Class Name:		WASTE COMPRESSED GASES			
<u>2021 Generator Info</u>					
Gen No:	ON4399638			Choice of Contact:	CO_OFFICIAL
ID:	17201			Phone No Official:	516-220-7158 Ext.
Contaminated Fac:	N			Phone No Admin:	
MHSW Facility:	N			County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	446120			County Out:	
NAICS Code2:				District:	402
NAICS Code3:					
Gen Name:		Cosmetics Company Store 684			
Gen Div:					
Gen Op Name:		Cosmetics Company Store 684			
Gen Op Div:					
Site Adrs1:		8555 Campeau Drive			
Site Bldg:					
Site Pobox:					
Province In:		ONTARIO			
Site Adrs2:					
Site City:		Ottawa			
Province Out:					
Site Postal Code:		K2T0K5			
Site Country:		Canada			
Co Official:		Kevin Okerstrom			
Co Admin:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	4 of 7	WNW/203.8	99.9 / 1.00	TJX Canada 8555 Campeau Drive Ottawa ON	GEN

Generator Info (as of Dec 2024)

Generator No: ON001060410
Generator Company Name: TJX Canada
Street: 8555 Campeau Drive
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2T 1B7
Waste Class: 212 L,331 I,263 L,212 I

Waste Class Decoded:

212 - ALIPHATIC SOLVENTS; 331 - WASTE COMPRESSED GASES; 263 - ORGANIC LABORATORY CHEMICALS; 212 - ALIPHATIC SOLVENTS

Generator Info (as of Apr 2025)

Generator Company Name: TJX Canada
Generator Site Address: 8555 Campeau Drive
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2T 1B7
Waste Class: 212 L, 331 I, 263 L, 212 I

Waste Class Decoded:

212 - ALIPHATIC SOLVENTS; 331 - WASTE COMPRESSED GASES; 263 - ORGANIC LABORATORY CHEMICALS; 212 - ALIPHATIC SOLVENTS

Waste Characteristic Decoded:

L - Liquid Industrial Waste; I - Ignitable; L - Liquid Industrial Waste; I - Ignitable

28	5 of 7	WNW/203.8	99.9 / 1.00	American Eagle Outfitters Canada Corporation 8555 Campeau Drive Ottawa ON	GEN
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Generator Info (as of Dec 2024)

Generator No: ON001070748
Generator Company Name: American Eagle Outfitters Canada Corporation
Street: 8555 Campeau Drive
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2T 1B7
Waste Class: 212 I,261 L,331 I,261 L,212 I,331 I

Waste Class Decoded:

212 - ALIPHATIC SOLVENTS; 261 - PHARMACEUTICALS; 331 - WASTE COMPRESSED GASES; 261 - PHARMACEUTICALS; 212 - ALIPHATIC SOLVENTS; 331 - WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Generator Info (as of Apr 2025)

Generator Company Name: American Eagle Outfitters Canada Corporation
Generator Site Address: 8555 Campeau Drive
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2T 1B7
Waste Class: 212 I, 261 L, 331 I, 146 T, 146 T, 331 I, 261 L, 212 I

Waste Class Decoded:

212 - ALIPHATIC SOLVENTS; 261 - PHARMACEUTICALS; 331 - WASTE COMPRESSED GASES; 146 - OTHER SPECIFIED INORGANICS; 146 - OTHER SPECIFIED INORGANICS; 331 - WASTE COMPRESSED GASES; 261 - PHARMACEUTICALS; 212 - ALIPHATIC SOLVENTS

Waste Characteristic Decoded:

I - Ignitable; L - Liquid Industrial Waste; I - Ignitable; T - Leachate Toxic; T - Leachate Toxic; I - Ignitable; L - Liquid Industrial Waste; I - Ignitable

28	6 of 7	WNW/203.8	99.9 / 1.00	American Eagle Outfitters Canada Corporation 8555 Campeau Drive Ottawa ON	GEN
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Generator Info (as of Dec 2024)

Generator No: ON001070749
Generator Company Name: American Eagle Outfitters Canada Corporation
Street: 8555 Campeau Drive
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2T 1B7
Waste Class: 212 I, 261 L, 331 I, 261 L, 212 I, 331 I

Waste Class Decoded:

212 - ALIPHATIC SOLVENTS; 261 - PHARMACEUTICALS; 331 - WASTE COMPRESSED GASES; 261 - PHARMACEUTICALS; 212 - ALIPHATIC SOLVENTS; 331 - WASTE COMPRESSED GASES

Generator Info (as of Apr 2025)

Generator Company Name: American Eagle Outfitters Canada Corporation
Generator Site Address: 8555 Campeau Drive
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2T 1B7
Waste Class: 212 I, 261 L, 331 I, 146 T, 146 T, 331 I, 261 L, 212 I

Waste Class Decoded:

212 - ALIPHATIC SOLVENTS; 261 - PHARMACEUTICALS; 331 - WASTE COMPRESSED GASES; 146 - OTHER SPECIFIED INORGANICS; 146 - OTHER SPECIFIED INORGANICS; 331 - WASTE COMPRESSED GASES; 261 - PHARMACEUTICALS; 212 - ALIPHATIC SOLVENTS

Waste Characteristic Decoded:

I - Ignitable; L - Liquid Industrial Waste; I - Ignitable; T - Leachate Toxic; T - Leachate Toxic; I - Ignitable; L - Liquid Industrial Waste; I - Ignitable

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	7 of 7	WNW/203.8	99.9 / 1.00	JEFFREY DOUGLAS MORRISON 8555 CAMPEAU DR,,OTTAWA,ON,K2T 0K5,CA ON	PINC
Incident Id: Incident No: 1918874 Incident Reported Dt: 8/8/2016 Type: FS-Pipeline Incident Status Code: Tank Status: Pipeline Damage Reason Est Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: JEFFREY DOUGLAS MORRISON Incident Address: 8555 CAMPEAU DR,,OTTAWA,ON,K2T 0K5,CA Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:		Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:			
29	1 of 1	E/205.8	99.9 / 1.00	PALLADIUM CORPORATION HUNTMAR RD/CYCLONE TAYLOR BLVD KANATA CITY ON	CA
Certificate #: 7-0276-94- Application Year: 94 Issue Date: 4/29/1994 Approval Type: Municipal water Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
30	1 of 6	NNW/210.7	98.2 / -0.69	RioCan Management Inc. 333 Huntmar Dr Ottawa ON M4P 1E4	ECA
Approval No: 3371-9A5GTU Approval Date: 2013-08-15 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		RioCan Management Inc. 333 Huntmar Dr https://www.accessenvironment.ene.gov.on.ca/instruments/9009-999PHL-14.pdf			
30	2 of 6	NNW/210.7	98.2 / -0.69	West Ottawa Land Holdings Inc. and West Ottawa Land Holdings (2) Inc. 333 Huntmar Dr Part Lots 3 and 4, Concession 1 Ottawa ON K1V 8Y3	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		6288-A2GGL2 2015-09-28 Approved ECA IDS ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS West Ottawa Land Holdings Inc. and West Ottawa Land Holdings (2) Inc. 333 Huntmar Dr Part Lots 3 and 4, Concession 1 https://www.accessenvironment.ene.gov.on.ca/instruments/2753-9YLJRZ-14.pdf			
30	3 of 6	NNW/210.7	98.2 / -0.69	RioCan Management Inc. 333 Huntmar Dr Ottawa ON M4P 1E4	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		4648-A2KQFP 2015-09-28 Revoked and/or Replaced ECA IDS ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS RioCan Management Inc. 333 Huntmar Dr https://www.accessenvironment.ene.gov.on.ca/instruments/2940-9YLLVJ-14.pdf			
30	4 of 6	NNW/210.7	98.2 / -0.69	RioCan Management Inc. 333 Huntmar Dr Ottawa ON M4P 1E4	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		8617-AHGRV5 2017-01-13 Approved ECA IDS ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS RioCan Management Inc. 333 Huntmar Dr https://www.accessenvironment.ene.gov.on.ca/instruments/0142-ABJN8A-14.pdf			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	5 of 6	NNW/210.7	98.2 / -0.69	333 Huntmar Dr. Ottawa ON	EHS
Order No: 23011700510 Status: C Report Type: Standard Report Report Date: 20-JAN-23 Date Received: 17-JAN-23 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.9407315 Y: 45.2965127			
30	6 of 6	NNW/210.7	98.2 / -0.69	RioCan Management Inc. 333 Huntmar Drive, City of Ottawa, Ontario CITY OF OTTAWA ON	PTTW
EBR Registry No: 011-9265 Ministry Ref No: 0731-986NLG Notice Type: Instrument Decision Notice Stage: Notice Date: August 16, 2013 Proposal Date: May 30, 2013 Year: 2013 Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name: Posted By: Company Name: RioCan Management Inc. Site Address: Location Other: Proponent Name: Proponent Address: 2300 Yonge Street , Suite 500, Toronto Ontario, Canada M4P 1E4 Comment Period: URL: Summary: Site Location Details: 333 Huntmar Drive, City of Ottawa, Ontario CITY OF OTTAWA		Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map:			
31	1 of 1	NNE/212.5	96.9 / -2.00	lot 3 con 1 ON	WWIS
Well ID: 1503285 Construction Date: Use 1st: Livestock Use 2nd: Domestic Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock:		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 07/06/1964 Selected Flag: TRUE Abandonment Rec: Contractor: 1802 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 003 Concession: 01 Concession Name: CON Easting NAD83:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		MARCH TOWNSHIP			
Site Info:					
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503285.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		05/23/1964			
Year Completed:		1964			
Depth (m):		41.4528			
Latitude:		45.3002784524504			
Longitude:		-75.9332533313542			
X:		-75.93325317006415			
Y:		45.30027844519035			
Path:		150\1503285.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10025328		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	426830.60
Code OB Desc:				North83:	5016732.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:		05/23/1964		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996476			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		30.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996479			
Layer:		4			
Color:					
General Color:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		70.0			
Formation End Depth:		136.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996477			
Layer:		2			
Color:					
General Color:					
Material 1:		07			
Material 1 Desc:		QUICKSAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		30.0			
Formation End Depth:		52.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996478			
Layer:		3			
Color:					
General Color:					
Material 1:		13			
Material 1 Desc:		BOULDERS			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		52.0			
Formation End Depth:		70.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503285			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573898			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930043408			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		52.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043409			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		85.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043410			
Layer:		3			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		136.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503285			
Pump Set At:					
Static Level:		5.0			
Final Level After Pumping:		20.0			
Recommended Pump Depth:		40.0			
Pumping Rate:		10.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933456170			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		136.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	1 of 1	NNE/212.5	96.9 / -2.00	ON	BORE
Borehole ID:		609663	Inclin FLG: No		
OGF ID:		215511279	SP Status: Initial Entry		
Status:			Surv Elev: No		
Type:		Borehole	Piezometer: No		
Use:			Primary Name:		
Completion Date:		MAY-1964	Municipality:		
Static Water Level:		-14.0	Lot:		
Primary Water Use:			Township:		
Sec. Water Use:			Latitude DD: 45.300279		
Total Depth m:		41.5	Longitude DD: -75.933253		
Depth Ref:		Ground Surface	UTM Zone: 18		
Depth Elev:			Easting: 426831		
Drill Method:			Northing: 5016732		
Orig Ground Elev m:		99.1	Location Accuracy:		
Elev Reliabil Note:			Accuracy: Not Applicable		
DEM Ground Elev m:		99			
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:		218383759	Mat Consistency:		
Top Depth:		9.1	Material Moisture:		
Bottom Depth:		15.8	Material Texture:		
Material Color:			Non Geo Mat Type:		
Material 1:		Sand	Geologic Formation:		
Material 2:			Geologic Group:		
Material 3:			Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		SAND.			
Geology Stratum ID:		218383760	Mat Consistency:		
Top Depth:		15.8	Material Moisture:		
Bottom Depth:		21.3	Material Texture:		
Material Color:			Non Geo Mat Type:		
Material 1:		Boulders	Geologic Formation:		
Material 2:		Sand	Geologic Group:		
Material 3:			Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		BOULDERS,SAND.			
Geology Stratum ID:		218383758	Mat Consistency:		
Top Depth:		0	Material Moisture:		
Bottom Depth:		9.1	Material Texture:		
Material Color:			Non Geo Mat Type:		
Material 1:		Clay	Geologic Formation:		
Material 2:			Geologic Group:		
Material 3:			Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		CLAY.			
Geology Stratum ID:		218383761	Mat Consistency:		
Top Depth:		21.3	Material Moisture:		
Bottom Depth:		41.5	Material Texture:		
Material Color:			Non Geo Mat Type:		
Material 1:		Limestone	Geologic Formation:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:				Geologic Group: Geologic Period: Depositional Gen:	
LIMESTONE. 00136BLE AT 372.0 FEET.LIMESTONE. SEISMIC VELOCITY = 13000. BEDROCK. SEI				**Note: Many records provided by the department have a truncated [Stratum Description] field.	
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 02171 NTS_Sheet:				
Confiden 1:					
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
33	1 of 1	ESE/220.2	99.9 / 1.00	675 Autopark Private Ottawa ON K2V 1E2	EHS
Order No:	21090800438			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	13-SEP-21			Search Radius (km):	.25
Date Received:	08-SEP-21			X:	-75.9306786
Previous Site Name:				Y:	45.2959154
Lot/Building Size:	1.69 ha				
Additional Info Ordered:					
34	1 of 1	W/221.5	99.9 / 1.00	lot 2 con 2 ON	WWIS
Well ID:	1529619			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Not Used			Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:	Abandoned-Supply			Date Received:	10/17/1997
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	183345			Contractor:	1558
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	002
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529619.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		09/25/1997			
Year Completed:		1997			
Depth (m):		60.96			
Latitude:		45.2975746762497			
Longitude:		-75.9380555316731			
X:		-75.93805537087388			
Y:		45.29757466922036			
Path:		152\1529619.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10051154		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				18	
Code OB Desc:				East83:	
Open Hole:				426450.60	
Cluster Kind:				North83:	
Date Completed:		09/25/1997		5016436.00	
Remarks:				Org CS:	
Location Method Desc:		from gis		UTMRC:	
Elevrc Desc:				5	
Location Source Date:				UTMRC Desc:	
Improvement Location Source:				margin of error : 100 m - 300 m	
Improvement Location Method:				Location Method:	
Source Revision Comment:				gis	
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931073329			
Layer:		5			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		78			
Material 2 Desc:		MEDIUM-GRAINED			
Material 3:		73			
Material 3 Desc:		HARD			
Formation Top Depth:		150.0			
Formation End Depth:		200.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931073326			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		86			
Material 2 Desc:		STICKY			
Material 3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3 Desc:					
Formation Top Depth:		10.0			
Formation End Depth:		38.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931073327			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		81			
Material 2 Desc:		SANDY			
Material 3:		68			
Material 3 Desc:		DRY			
Formation Top Depth:		38.0			
Formation End Depth:		41.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931073325			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		79			
Material 2 Desc:		PACKED			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931073328			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		78			
Material 2 Desc:		MEDIUM-GRAINED			
Material 3:		73			
Material 3 Desc:		HARD			
Formation Top Depth:		41.0			
Formation End Depth:		150.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933114644			
Layer:		1			
Plug From:		43.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961529619			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10599724			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930089292			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		200.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930089291			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		44.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
35	1 of 1	E/241.0	99.9 / 1.00	lot 2 con 1 ON	WWIS
Well ID:		1517399		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Domestic		Data Entry Status:	
Use 2nd:		0		Data Src:	1
Final Well Status:		Water Supply		Date Received:	12/19/1980
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3644
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	002
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy:		MARCH TOWNSHIP			UTM Reliability:
Municipality:					
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517399.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		05/22/1980			
Year Completed:		1980			
Depth (m):		18.8976			
Latitude:		45.2966104379845			
Longitude:		-75.9293797463858			
X:		-75.92937958494868			
Y:		45.29661043128029			
Path:		151\1517399.pdf			
Bore Hole Information					
Bore Hole ID:		10039274		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	427129.60
Code OB Desc:				North83:	5016321.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:		05/22/1980		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:		931035030			
Layer:		5			
Color:		2			
General Color:		GREY			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		60.0			
Formation End Depth:		62.0			
Formation End Depth UOM:		ft			
Overburden and Bedrock					
Materials Interval					
Formation ID:		931035028			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		14			
Material 1 Desc:		HARDPAN			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		50.0			
Formation End Depth:		56.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931035027			
Layer:		2			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		12.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931035029			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		56.0			
Formation End Depth:		60.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931035026			
Layer:		1			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		961517399			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10587844			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930068722			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		56.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991517399			
Pump Set At:					
Static Level:		10.0			
Final Level After Pumping:		30.0			
Recommended Pump Depth:		30.0			
Pumping Rate:		20.0			
Flowing Rate:					
Recommended Pump Rate:		10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934102907			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934894520			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934383749					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 30.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934645246					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 30.0					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933473863					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 60.0					
Water Found Depth UOM: ft					
36	1 of 17	SSE/244.6	101.2 / 2.31	Tony Graham Kanata Limited 600-2500 Palladium Dr Ottawa ON	CA
Certificate #: 1419-6ZBP57					
Application Year: 2007					
Issue Date: 4/4/2007					
Approval Type: Industrial Sewage Works					
Status: Approved					
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
36	2 of 17	SSE/244.6	101.2 / 2.31	Palladium Auto Park Ltd. 2500 Palladium Drive Ottawa ON	CA
Certificate #: 4120-5XPAC					
Application Year: 2003					
Issue Date: 7/31/2003					
Approval Type: Municipal and Private Sewage Works					
Status: Approved					
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	3 of 17	SSE/244.6	101.2 / 2.31	Kanata Motors Corporation 2500 Palladium Dr Kanata Ottawa ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		4174-7UPJJF 2009 8/7/2009 Air Approved			
36	4 of 17	SSE/244.6	101.2 / 2.31	Palladium Auto Park Ltd. 2500 Palladium Drive Ottawa ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		6496-5QVL2U 2003 9/11/2003 Industrial Sewage Works Approved			
36	5 of 17	SSE/244.6	101.2 / 2.31	Palladium Auto Park Ltd. 2500 Palladium Drive Ottawa ON K2A 1C5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		6496-5QVL2U 2003-09-11 Approved ECA IDS Mississippi Valley ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS Palladium Auto Park Ltd. 2500 Palladium Drive https://www.accessenvironment.ene.gov.on.ca/instruments/0978-5PWL7N-14.pdf	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.9347 45.291	
36	6 of 17	SSE/244.6	101.2 / 2.31	Zena Investment Corporation 2500 Palladium Dr Ottawa ON K2V 1E2	ECA
Approval No: Approval Date: Status:		6046-96MLQ8 2013-04-30 Approved	MOE District: City: Longitude:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-INDUSTRIAL SEWAGE WORKS Project Type: INDUSTRIAL SEWAGE WORKS Business Name: Zena Investment Corporation Address: 2500 Palladium Dr Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8606-8Z4MYF-14.pdf PDF Site Location:					
36	7 of 17	SSE/244.6	101.2 / 2.31	Palladium Auto Park Ltd. 2500 Palladium Drive Ottawa ON K2A 1C5	ECA
Approval No: 6396-5PXPCK Approval Date: 2003-07-31 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems Business Name: Palladium Auto Park Ltd. Address: 2500 Palladium Drive Full Address: Full PDF Link: PDF Site Location:					
36	8 of 17	SSE/244.6	101.2 / 2.31	Palladium Auto Park Ltd. 2500 Palladium Drive Ottawa ON K2A 1C5	ECA
Approval No: 4120-5PXPAC Approval Date: 2003-07-31 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Palladium Auto Park Ltd. Address: 2500 Palladium Drive Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1450-5PWL3Q-14.pdf PDF Site Location:					
36	9 of 17	SSE/244.6	101.2 / 2.31	Kanata Motors Corporation 2500 Palladium Dr Kanata Ottawa ON K2V 1E2	ECA
Approval No: 4174-7UPJJF Approval Date: 2009-08-07 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-AIR Project Type: AIR Business Name: Kanata Motors Corporation					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Address: Full Address: Full PDF Link: PDF Site Location:		2500 Palladium Dr Kanata https://www.accessenvironment.ene.gov.on.ca/instruments/0866-7TQPXD-14.pdf			
36	10 of 17	SSE/244.6	101.2 / 2.31	Tony Graham Kanata Limited 600-2500 Palladium Dr Ottawa ON K2G 1E3	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		1419-6ZBP57 2007-04-04 Revoked and/or Replaced ECA IDS Mississippi Valley ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS Tony Graham Kanata Limited 600-2500 Palladium Dr https://www.accessenvironment.ene.gov.on.ca/instruments/0790-6VYNF9-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa -75.93187 45.29398			
36	11 of 17	SSE/244.6	101.2 / 2.31	Tony Graham Motors Limited 2500 Palladium Dr Ottawa ON K2G 1E3	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		0685-ALTRRP 2017-06-02 Approved ECA IDS Mississippi Valley ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS Tony Graham Motors Limited 2500 Palladium Dr https://www.accessenvironment.ene.gov.on.ca/instruments/5415-ACHQQT-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa -75.93187 45.29398			
36	12 of 17	SSE/244.6	101.2 / 2.31	Zena Investment Corporation 2500 Palladium Dr Ottawa ON K2J 6H8	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		7040-AP7M89 2017-07-26 Approved ECA IDS ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS Zena Investment Corporation 2500 Palladium Dr https://www.accessenvironment.ene.gov.on.ca/instruments/3182-AJYJ4V-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	13 of 17	SSE/244.6	101.2 / 2.31	2500 Palladium Drive Unit 1200 Kanata ON	EHS
Order No: 20120626032 Status: C Report Type: Custom Report Report Date: 04-JUL-12 Date Received: 26-JUN-12 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.930614 Y: 45.292281			
36	14 of 17	SSE/244.6	101.2 / 2.31	2500 Palladium Ottawa ON	EHS
Order No: 20160225096 Status: C Report Type: Custom Report Report Date: 03-MAR-16 Date Received: 25-FEB-16 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.93315 Y: 45.292765			
36	15 of 17	SSE/244.6	101.2 / 2.31	2500 PALLADIUM DRIVE KANATA ON	HINC
External File Num: FS INC 0611-04178 Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 11/10/2006 Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Commercial (e.g. restaurant, business unit, etc) Service Interruptions: No Property Damage: No Fuel Life Cycle Stage: Utilization Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
36	16 of 17	SSE/244.6	101.2 / 2.31	2500 PALLADIUM DRIVE RICHMOND ON	HINC
External File Num: FS INC 0705-02213 Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 4/19/2007 Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike) Service Interruptions: Yes					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Property Damage: No Fuel Life Cycle Stage: Transmission, Distribution and Transportation Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:No Human Factors:No Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
36	17 of 17	SSE/244.6	101.2 / 2.31	#200 - 2500 Palladium Drive Ottawa ON	SPL
Ref No: 0243-A8YJER Year: Incident Dt: 2016/04/13 Dt MOE Arvl on Scn: MOE Reported Dt: 2016/04/13 Dt Document Closed: Site No: NA MOE Response: No Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse: Site Name: Myers Chevrolet Kanata<UNOFFICIAL> Site Address: #200 - 2500 Palladium Drive Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Entity Operating Name: Client Name: Client Type: Source Type: Incident Cause: Incident Preceding Spill: Leak/Break Incident Reason: Equipment Failure Incident Summary: Chevrolet Kanata 10 - 20 L of motor oil to grnd Environment Impact: Health Env Consequence: Nature of Impact: Contaminant Qty: 20 L Contaminant Qty 1: 20 Contaminant Unit: L Contaminant Code: 15 Contaminant Name: MOTOR OIL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Land Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: Miscellaneous Industrial					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SAC Action Class:		Land Spills			
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					
37	1 of 1	SW/245.9	99.9 / 1.00	ON	BORE
Borehole ID:		848694	Inclin FLG:		No
OGF ID:		215590314	SP Status:		Initial Entry
Status:		Decommissioned	Surv Elev:		No
Type:		Borehole	Piezometer:		No
Use:		Geotechnical/Geological Investigation	Primary Name:		
Completion Date:		02-JUN-1992	Municipality:		
Static Water Level:			Lot:		LOT 3
Primary Water Use:			Township:		HUNTLEY
Sec. Water Use:			Latitude DD:		45.293714
Total Depth m:		1.2	Longitude DD:		-75.93689
Depth Ref:		Ground Surface	UTM Zone:		18
Depth Elev:			Easting:		426537
Drill Method:		Power auger	Northing:		5016006
Orig Ground Elev m:		104	Location Accuracy:		
Elev Reliabil Note:			Accuracy:		Within 10 metres
DEM Ground Elev m:		103			
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:		6561892	Mat Consistency:		
Top Depth:		0	Material Moisture:		
Bottom Depth:		0	Material Texture:		
Material Color:			Non Geo Mat Type:		Asphalt
Material 1:		Asphalt	Geologic Formation:		
Material 2:			Geologic Group:		
Material 3:			Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		25mm ASPHALT **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:		6561893	Mat Consistency:		Very Dense
Top Depth:		0	Material Moisture:		
Bottom Depth:		.6	Material Texture:		
Material Color:		Grey-Brown	Non Geo Mat Type:		
Material 1:		Sand	Geologic Formation:		
Material 2:		Gravel	Geologic Group:		
Material 3:		Silt	Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					
Stratum Description:		VERY DENSE GREY TO BROWN SAND AND GRAVEL TRACE SILT BASE AND SUBBASE **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:		6561894	Mat Consistency:		Compact
Top Depth:		.6	Material Moisture:		
Bottom Depth:		1.2	Material Texture:		
Material Color:		Brown	Non Geo Mat Type:		
Material 1:		Sand	Geologic Formation:		
Material 2:		Silt	Geologic Group:		
Material 3:		Fill	Geologic Period:		
Material 4:			Depositional Gen:		
Gsc Material Description:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Stratum Description:		COMPACT BROWN SAND TRACE SILT FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			

Unplottable Summary

Total: **61** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Thomas Cavanagh Construction Limited		Ottawa ON	
CA	GENSTAR DEVELOPMENT COMPANY- CAMPEAU DR.	CAMPEAU DR. EXTENSION PH. II	KANATA CITY ON	
CA	TERRACE INVESTMENTS LTD.	STORMWATER MANAGEMENT POND	KANATA CITY ON	
CA	CAMPEAU CORPORATION EASEMENT	CAMPEAU DR. CLUSTER 2	KANATA CITY ON	
CA	GENSTAR DEVELOPMENT COMPANY - CAMPEAU DR	CAMPEAU DR.EXTENSION PH. II	KANATA CITY ON	
CA	PALLADIUM CORPORATION	PT.LOT 2/CON.1,HUNTMAR RD. SWM	KANATA CITY ON	
CA	PALLADIUM CORPORATION	PALLADIUM DR.,PT.LOT 2/CON.2	KANATA CITY ON	
CA	PALLADIUM CORPORATION	PT.LOT 2/CON.1,PALLADIUM DR.	KANATA CITY ON	
CA	Thomas Cavanagh Construction Limited		Ottawa ON	
CA	GILPAUL INVESTMENTS LIMITED	CAMPEAU DR., BUSINESS DEPOT	KANATA CITY ON	
CA		Campeau Drive	Kanata ON	
CA	Frank Nighbor Place	Part of Lot 2, Concession 1	Kanata ON	
CA	Frank Nighbour Place	Part of Lot 2, Concession 1	Kanata ON	
CA	Frank Nighbor Place	Part of Lot 2, Concession 1	Kanata ON	
CA	Thomas Cavanagh Construction Limited		Ottawa ON	
CA	Thomas Cavanagh Construction Limited		Ottawa ON	
CA	Kanata Motors Corporation		Ottawa ON	

CA	Minto Communities Inc.		Ottawa ON	
CA	Thomas Cavanagh Construction Limited		Ottawa ON	
CA	Thomas Cavanagh Construction Limited		Ottawa ON	
CA	Palladium Drive (Ottawa) Properties Inc.		Ottawa ON	
CA	TERRACE INVESTMENTS LTD.- PT.LOT 2/CONC.I	HUNTMAR RD./STM-WATER DET.POND	KANATA CITY ON	
CA	CAMPEAU CORPORATION	CAMPEAU DR.	KANATA CITY ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
EBR	Minto Communities		ON	
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Thomas Cavanagh Construction Limited		Ottawa ON	K0A 1B0
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	City of Ottawa	Campeau Dr	Ottawa ON	K2G 6J8
ECA	Thomas Cavanagh Construction		Ottawa ON	K0A 1B0

	Limited			
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
EHS		Hwy 417	Ottawa ON	
EHS		North & South of Palladium Dr	West Carleton Twp / Kanata ON	
GEN	Bonneau Express	Campeau Dr	Ottawa ON	
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
HINC		HUNTMAR RD.	KANATA ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Thomas Cavanagh Construction Limited		ON	
PTTW	Minto Communities Inc.		ON	
SPL	TRANSPORT TRUCK	HUNTMAR ROAD MOTOR VEHICLE (OPERATING FLUID)	KANATA CITY ON	
SPL	CONSOLIDATED FREIGHTWAYS	ALONG THE 417 TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON	
SPL	Thomas Cavanagh Construction Limited		Ottawa ON	
SPL	Thomas Cavanagh Construction Limited		Ottawa ON	
SPL	City of Ottawa	Highway 417	Ottawa ON	
WWIS		HWY 417 WEST	Ottawa ON	

Unplottable Report

Site: *Thomas Cavanagh Construction Limited
Ottawa ON*

Database:
CA

Certificate #: 7389-5HYQMW
Application Year: 2004
Issue Date: 2/24/2004
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: *GENSTAR DEVELOPMENT COMPANY- CAMPEAU DR.
CAMPEAU DR. EXTENSION PH. II KANATA CITY ON*

Database:
CA

Certificate #: 3-1494-90-
Application Year: 90
Issue Date: 8/9/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *TERRACE INVESTMENTS LTD.
STORMWATER MANAGEMENT POND KANATA CITY ON*

Database:
CA

Certificate #: 3-0035-90-
Application Year: 90
Issue Date: 9/27/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *CAMPEAU CORPORATION EASEMENT
CAMPEAU DR. CLUSTER 2 KANATA CITY ON*

Database:
CA

Certificate #: 3-0332-89-

Application Year: 89
Issue Date: 3/10/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: GENSTAR DEVELOPMENT COMPANY - CAMPEAU DR
CAMPEAU DR.EXTENSION PH. II KANATA CITY ON

Database:
[CA](#)

Certificate #: 7-1213-90-
Application Year: 90
Issue Date: 8/9/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: PALLADIUM CORPORATION
PT.LOT 2/CON.1,HUNTMAR RD. SWM KANATA CITY ON

Database:
[CA](#)

Certificate #: 3-0330-94-
Application Year: 94
Issue Date: 4/29/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: PALLADIUM CORPORATION
PALLADIUM DR.,PT.LOT 2/CON.2 KANATA CITY ON

Database:
[CA](#)

Certificate #: 3-1262-94-
Application Year: 94
Issue Date: 10/13/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *PALLADIUM CORPORATION
PT.LOT 2/CON.1,PALLADIUM DR. KANATA CITY ON*

Database:
CA

Certificate #: 3-1307-94-
Application Year: 94
Issue Date: 10/19/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Thomas Cavanagh Construction Limited
Ottawa ON*

Database:
CA

Certificate #: 9927-6G8LNP
Application Year: 2005
Issue Date: 9/19/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *GILPAUL INVESTMENTS LIMITED
CAMPEAU DR., BUSINESS DEPOT KANATA CITY ON*

Database:
CA

Certificate #: 3-1224-96-
Application Year: 96
Issue Date: 11/14/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Campeau Drive Kanata ON*

Database:
CA

Certificate #: 1087-4SZRC5
Application Year: 01
Issue Date: 1/15/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street

Client City: OTTAWA
Client Postal Code: K1G 2H5
Project Description: Construction of a watermain on Campeau Drive for the Village Green Subdivision
Contaminants:
Emission Control:

Site: *Frank Nighbor Place*
Part of Lot 2, Concession 1 Kanata ON

Database:
[CA](#)

Certificate #: 3188-4RHKSU
Application Year: 00
Issue Date: 11/30/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 764703 Ontario Inc.
Client Address: 200 Catherine Street, Suite 600
Client City: Ottawa
Client Postal Code: K2P 2K9
Project Description: This is an application for a Municipal and Private Sewage Certificate of Approval to construct a sanitary sewer.
Contaminants:
Emission Control:

Site: *Frank Nighbour Place*
Part of Lot 2, Concession 1 Kanata ON

Database:
[CA](#)

Certificate #: 1843-4RQKAX
Application Year: 00
Issue Date: 12/8/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 764703 Ontario Inc.
Client Address: 200 Catherine Street, Suite 600
Client City: Ottawa
Client Postal Code: K2P 2K9
Project Description: Storm sewer construction from the existing manhole at the cul-de-sac of Frank Nighbor to approximately 103m South of the proposed cul-de-sac.
Contaminants:
Emission Control:

Site: *Frank Nighbor Place*
Part of Lot 2, Concession 1 Kanata ON

Database:
[CA](#)

Certificate #: 0510-4RHLJZ
Application Year: 00
Issue Date: 11/30/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: 764703 Ontario Inc.
Client Address: 200 Catherine Street, Suite 600
Client City: Ottawa
Client Postal Code: K2P 2K9
Project Description: This is an application for a Municipal and Private Water Certificate of Approval to construct a watermain.
Contaminants:
Emission Control:

Site: *Thomas Cavanagh Construction Limited*
Ottawa ON

Database:
[CA](#)

Certificate #: 0598-5FTQFY

Application Year: 2002
Issue Date: 11/20/2002
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: **Thomas Cavanagh Construction Limited**
Ottawa ON

Database:
CA

Certificate #: 1332-67RGUN
Application Year: 2005
Issue Date: 1/6/2005
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Kanata Motors Corporation**
Ottawa ON

Database:
CA

Certificate #: 2956-7AUQFS
Application Year: 2008
Issue Date: 1/25/2008
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Minto Communities Inc.**
Ottawa ON

Database:
CA

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
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: *Thomas Cavanagh Construction Limited*
Ottawa ON

Database:
CA

Certificate #: 4624-6CPJGJ
Application Year: 2005
Issue Date: 6/13/2005
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Thomas Cavanagh Construction Limited*
Ottawa ON

Database:
CA

Certificate #: 5915-7K9JUV
Application Year: 2008
Issue Date: 10/17/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Palladium Drive (Ottawa) Properties Inc.*
Ottawa ON

Database:
CA

Certificate #: 6298-6XBLN3
Application Year: 2007
Issue Date: 2/1/2007
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *TERRACE INVESTMENTS LTD.-PT.LOT 2/CONC.I*
HUNTMAR RD./STM-WATER DET.POND KANATA CITY ON

Database:
CA

Certificate #: 3-0503-92-
Application Year: 92
Issue Date: 6/22/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:

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

Site: CAMPEAU CORPORATION
CAMPEAU DR. KANATA CITY ON

Database:
CA

Certificate #: 7-0016-88-
Application Year: 88
Issue Date: 1/21/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Communities Inc.
Ottawa, Ontario CITY OF OTTAWA ON

Database:
EBR

EBR Registry No: 013-0315
Ministry Ref No: MNRF INST 30/17
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 28, 2017
Proposal Date: April 10, 2017
Year: 2017
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: Minto Communities
ON

Database:
EBR

EBR Registry No: 019-2808
Ministry Ref No: KV-C-001-19
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: December 4, 2020
Year: 2020
Instrument Type: Permit for activities to achieve an overall benefit to a species
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks

Decision Posted: February 26, 2021
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:

Company Name:
Site Address:
Location Other:
Proponent Name: Minto Communities
Proponent Address: Minto Communities 180 Kent Street Unit 200 Ottawa, ON K1P 0B6 Canada
Comment Period: December 4, 2020 - January 3, 2021 (30 days) Closed
URL: <https://ero.ontario.ca/notice/019-2808>
Summary:

Site Location Details:

Part of Lot 12, Concession 4, Township of March, Ottawa

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0606-AHXJCH
Approval Date: 2017-02-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7661-ABCKQL
Approval Date: 2016-06-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1554-8Y2HZ6
Approval Date: 2012-09-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1720-AKJGKQ
Approval Date: 2017-03-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

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

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf>
PDF Site Location:

Site: **Thomas Cavanagh Construction Limited**
Ottawa ON K0A 1B0

Database:
ECA

Approval No: 7749-8ZJSTU
Approval Date: 2012-11-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Thomas Cavanagh Construction Limited
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8951-8Z5PSL-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8270-A3ZLU2
Approval Date: 2015-11-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8605-AYUJHG
MOE District:

Approval Date: 2018-05-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf>
PDF Site Location:

City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6142-BEJHCE
Approval Date: 2019-08-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf>
PDF Site Location:

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

Site: **City of Ottawa**
Campeau Dr Ottawa ON K2G 6J8

Database:
ECA

Approval No: 0311-BFFQWB
Approval Date: 2019-10-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Campeau Dr
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4754-BFAS8F-14.pdf>
PDF Site Location:

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

Site: Thomas Cavanagh Construction Limited
Ottawa ON K0A 1B0

Database:
ECA

Approval No: 3467-9AYP63
Approval Date: 2013-08-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Thomas Cavanagh Construction Limited
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0772-98NN9V-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7971-9EAST8
Approval Date: 2014-01-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6432-CA6MRC
Approval Date: January 18, 2022
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: South Nation
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2726-C9PS46-14.pdf>
PDF Site Location: Avalon South Stormwater Management Facility Expansion
Neighbourhood 4
Lot 4, Concession 10
City of Ottawa, Ontario

MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8402261.5817000009
Geometry Y: 5691103.7277999958

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 2268-9WYR3F
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type:
Project Type:
Business Name:
Address:
Full Address:
Full PDF Link:
PDF Site Location:

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

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3128-AQGJ6T
Approval Date: 2017-08-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3002-8PBSB4
Approval Date: 2012-01-31
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf>
PDF Site Location:

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

Site: **Hwy 417 Ottawa ON**

Database:
EHS

Order No: 20120509053
Status: C
Report Type: Custom Report
Report Date: 5/16/2012
Date Received: 5/9/2012
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.670099
Y: 1

Site: **North & South of Palladium Dr West Carleton Twp / Kanata ON**

Database:
EHS

Order No: 20010614002
Status: C
Report Type: Custom Report
Report Date: 6/18/01
Date Received: 6/14/01

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 4.75
X: -75.926941

Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Y:

45.295955

Site: **Bonneau Express**
Campeau Dr Ottawa ON

Database:
GEN

Generator Info (as of Dec 2024)

Generator No: ONS0402-1-6QQYQX-1
Generator Company Name: Bonneau Express
Street: Campeau Dr
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2K 1Y9
Waste Class: 221 L

Waste Class Decoded:

221 - LIGHT FUELS

Generator Info (as of Apr 2025)

Generator Company Name: Bonneau Express
Generator Site Address: Campeau Dr
City: Ottawa
Province State: Ontario
Country: Canada
Postal Code: K2K 1Y9
Waste Class: 221 L

Waste Class Decoded:

221 - LIGHT FUELS

Waste Characteristic Decoded:

L - Liquid Industrial Waste

Site: **R.W Tomlinson**
LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database:
GEN

Generator Info

Generator No:	ON9834153	Choice of Contact:	CO_OFFICIAL
Approval Years:	2014	Contaminated Fac:	No
Status:		MHSW Facility:	No
PO Box No:		SIC Code:	237310
Country:	Canada		
Co Admin:	mark peralta		
Phone No Admin:	6138221867 Ext.		
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION		

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Detail(s)

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

Site: R.W Tomlinson
LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database:
GEN

Generator Info

Generator No:	ON9834153	Choice of Contact:	CO_OFFICIAL
Approval Years:	2015	Contaminated Fac:	No
Status:		MHSW Facility:	No
PO Box No:		SIC Code:	237310
Country:	Canada		
Co Admin:	mark peralta		
Phone No Admin:	6138221867 Ext.		
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION		

Waste Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

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

Site: HUNTMAR RD. KANATA ON

Database:
HINC

External File Num: FS INC 0712-07659
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 12/10/2007
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: No
Property Damage: Yes
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:Yes Human Factors:Yes

Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:

Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Site: Minto Communities Inc.
ON

Database:
PTTW

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 06, 2017
Proposal Date: February 13, 2017
Year: 2017
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa
GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA
CITY OF OTTAWA

Site: Thomas Cavanagh Construction Limited
ON

Database:
PTTW

EBR Registry No: 010-5806
Ministry Ref No: 7423-7NPJQN
Notice Type: Instrument Final Decision
Notice Stage:
Notice Date: August 25, 2009
Proposal Date: January 30, 2009
Year: 2009
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Thomas Cavanagh Construction Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address:
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Henderson Quarry Address: Lot: 13, Concession: 11, Geographic Town of Goulbourn, Ottawa, City District Office: Ottawa
GeoReference: Map Datum: Unknown, Zone: 18, Accuracy Estimate: 10 -100 metres eg. Topographic Map, Method: Map, UTM Easting: 422063, UTM Northing: 5008627
CITY OF OTTAWA GOULBOURN

Site: Minto Communities Inc.

Database:
PTTW

ON

EBR Registry No: 011-4898
Ministry Ref No: 3046-8MLKW5
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 17, 2014
Proposal Date: November 04, 2011
Year: 2011
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa
GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555,
, LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: **TRANSPORT TRUCK**
HUNTMAR ROAD MOTOR VEHICLE (OPERATING FLUID) KANATA CITY ON

Database:
SPL

Ref No: 104127
Year:
Incident Dt: 8/18/1994
Dt MOE Arvl on Scn:
MOE Reported Dt: 8/18/1994
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: KANATA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: OTHER CONTAINER LEAK
Incident Preceding Spill:
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Incident Summary: GILES LEBLANC CARTAGE: 20 L DIESEL FUEL TO LAND
Environment Impact: CONFIRMED
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:

Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: CONSOLIDATED FREIGHTWAYS
ALONG THE 417 TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 35498 Municipality No: 20101
Year: Nature of Damage:
Incident Dt: 5/29/1990 Discharger Report:
Dt MOE Arvl on Scn: Material Group:
MOE Reported Dt: 5/30/1990 Impact to Health:
Dt Document Closed: Agency Involved: CANUTEC,OPP
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: OTHER CONTAINER LEAK
Incident Preceding Spill:
Incident Reason: MATERIAL FAILURE
Incident Summary: CONSOLIDATED FREIGHT-15 LGLUE TO HIGHWAY BETWEEN MONTREAL AND OTTAWA
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Time Reported:
System Facility Address:

Site: TRANSPORT TRUCK
HWY. 417 MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database:
SPL

Ref No: 191523 Municipality No: 20107
Year:
Incident Dt: 12/4/2000 Nature of Damage:
Dt MOE Arvl on Scn: Discharger Report:
MOE Reported Dt: 12/4/2000 Material Group:
Dt Document Closed: Impact to Health:
Site No: Agency Involved:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Preceding Spill:
Incident Reason: OTHER
Incident Summary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: Thomas Cavanagh Construction Limited
Ottawa ON

Database:
SPL

Ref No: 5552-8XKTLB Municipality No:
Year: Nature of Damage:
Incident Dt: 27-AUG-12 Discharger Report:
Dt MOE Arvl on Scn: Material Group:
MOE Reported Dt: 27-AUG-12 Impact to Health:
Dt Document Closed: Agency Involved:

Site No:
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: The Queensway between Hwy 7 and Eagleson Rd<UNOFFICIAL>
Site Address:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: Thomas Cavanagh Construction Limited
Client Type:
Source Type:
Incident Cause:
Incident Preceding Spill:
Incident Reason:
Incident Summary: Cabanah Const'n, 50 L hydraulic oil to The Queensway, cont'd
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 50 L
Contaminant Qty 1: 50
Contaminant Unit: L
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Motor Vehicle
SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: Thomas Cavanagh Construction Limited
 Ottawa ON

Database:
 SPL

Ref No:	8581-ALQMUR	Municipality No:	
Year:		Nature of Damage:	
Incident Dt:	4/24/2017	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	4/24/2017	Impact to Health:	2 - Minor Environment
Dt Document Closed:		Agency Involved:	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	Light Rail Project, Merton Street Entrance<UNOFFICIAL>		
Site Address:			
Site Region:	Eastern		
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			

Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: Thomas Cavanagh Construction Limited
Client Type: Corporation
Source Type: Other
Incident Cause:
Incident Preceding Spill: Other
Incident Reason: Equipment Failure
Incident Summary: Thomas Cavanagh Cnst: 2L hydraulic oil to grnd, no CBs, contained
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 2 L
Contaminant Qty 1: 2
Contaminant Unit: L
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Receiving Medium: Land
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Industrial
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: City of Ottawa
 Highway 417 Ottawa ON

Database:
 SPL

Ref No: 3043-7QMTYH
Year:
Incident Dt:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/30/2009
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: EB Merge Lane Hwy 417 & Eagleson Road
Site Address:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing: NA
Easting: NA
Entity Operating Name:
Client Name: City of Ottawa
Client Type:
Source Type:
Incident Cause: Pipe Or Hose Leak
Incident Preceding Spill:
Incident Reason: Unknown - Reason not determined
Incident Summary: OC Transpo: 10L engine oil to grnd on Hwy 417
Environment Impact: Not Anticipated
Health Env Consequence:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Nature of Impact: Other Impact(s)
Contaminant Qty: 10 L
Contaminant Qty 1: 10
Contaminant Unit: L
Contaminant Code:
Contaminant Name: ENGINE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Other
SAC Action Class: Primary Assessment of Incident
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: HWY 417 WEST Ottawa ON **Database:** WWIS

Well ID:	7290688	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Test Hole	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Observation Wells	Date Received:	07/19/2017
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z261473	Contractor:	7579
Tag:	A228339	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:			
Site Info:			

Bore Hole Information

Bore Hole ID:	1006636095	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	9
Date Completed:	07/04/2017	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 1006753724
Layer: 3
Color: 8
General Color: BLACK
Material 1: 17
Material 1 Desc: SHALE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 42.0
Formation End Depth: 72.5
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1006753722
Layer: 1
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 28
Material 2 Desc: SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1006753723
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 1006753731
Layer: 1
Plug From: 0.0
Plug To: 72.5
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 1006753730
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006753721
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006753727
Layer: 1
Material:
Open Hole or Material:
Depth From: 0.0
Depth To: 72.5
Casing Diameter: 2.5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006753728
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006753726
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006753725
Diameter: 3.630000114440918
Depth From: 0.0
Depth To: 72.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2024

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-May 2025

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Apr 30, 2025

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2023

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Apr 30, 2025

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Jul 2025

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-Jul 2025

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Jul 31, 2025

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 - Jul 2025

Delisted Fuel Tanks:

Provincial

[DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011 - Jul 31, 2025

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 - Jul 31, 2025

Environmental Compliance Approval:

Provincial

[ECA](#)

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

Government Publication Date: Oct 2011 - Jul 31, 2025

Environmental Effects Monitoring:

Federal

[EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

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

Government Publication Date: 1999-Apr 30, 2025

Environmental Issues Inventory System:

Federal

[EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial

EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2024

List of Expired Fuels Safety Facilities:

Provincial

EXP

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

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

Government Publication Date: Oct 2023

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Mar 2025

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial

FST

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

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). 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-Mar 31, 2025

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Feb 2025

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: 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 include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2025

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 Conservation and Parks (MECP) 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. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jul 31, 2025

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

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

Federal

[NPCB](#)

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

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

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024**National Pollutant Release Inventory - Historic:**

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. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

[OGWE](#)

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

Government Publication Date: 1988-Jun 30, 2025**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024**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 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 - Jul 31, 2025

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

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

Government Publication Date: Oct 2011 - Jul 31, 2025

Ontario PFAS Spills:

Provincial

PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. 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 2024; Aug 2024; Oct-Nov 2024

NPRI Reporters - PFAS Substances:

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI:

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

Pipeline Incidents:

Provincial

PINC

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

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR:

Provincial

PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Jul 31, 2025

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: 1986-1990, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Aug 2025

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-Apr 30, 2025

Scott's Manufacturing Directory:

Private

SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

SPL

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

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct-May 2025

Wastewater Discharger Registration Database:

Provincial

SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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 - Apr 2024

Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

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

Government Publication Date: Oct 2011 - Jul 31, 2025

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS



PATERSON GROUP

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Kuldeep Panchal Junior Environmental Scientist

Kuldeep Panchal is a Junior Environmental Scientist with Paterson Group in Ottawa, Ontario. Kuldeep received his Bachelor of Civil Engineering in 2017, Charotar University of Sciences & Technology. In 2019 He earned his Master's in Environmental Engineering, from the University of Ottawa. In his time at Paterson with Environmental Division, Kuldeep has been involved in primarily residential and commercial development projects predominantly within the National Capital Region, where he conducted Phase I Environmental Site Assessments (ESAs) to MECP and CSA standards and conducted environmental and geotechnical subsurface investigations. His current scope of work consists of environmental investigation, reporting, field inspections, soil and groundwater sampling, supervising the remediation of contaminated sites, and ensuring compliance with applicable regulatory standards.

EDUCATION

Master's Environmental Engineering, 2019
University of Ottawa, Ottawa, ON

Bachelor of Civil Engineering, 2017
Charotar University of Sciences & Technology,
Gujarat, India

LICENCE/PROFFESIONAL AFFILIATIONS

E.I.T. (Engineer in Training) with PEO
CCIL (Canadian Council of Independent Laboratories)
– Type QF
TDG (Transportation of Dangerous Goods) – Type A
Packages

YEARS OF EXPERIENCE

With Paterson: 3

Other Firms: 1.5

OFFICE LOCATION

9 Auriga Drive
Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- CSA Phase I Environmental Site Assessments (ESAs) – Various Sites, Ottawa, ON
- Mattamy Homes – Fairwinds Phase 8 – Environmental subsurface investigation – Ottawa, ON
- Soil and Groundwater sampling – Various Sites, Ottawa, ON
- CECCE – 205 Scholastic – Micro Piling – Ottawa, ON
- Minto – Quinn's Pointe – Stage 4 – Site Servicing and Soil Inspections – Ottawa, ON
- W.H. MacSweyn – Prepared Compaction Plan and Road Works – Ottawa, ON
- Minto – Brookline – Site Servicing – Ottawa, ON
- Various High Rise and Commercial Projects – Material Testing – Ottawa, ON
- Proposal Preparation for Material Testing – Various Projects

PROFESSIONAL EXPERIENCE

March 2024 to present – **Junior Environmental Scientist, Environmental Division, Paterson Group, Ottawa, Ontario**

- Conduct Phase I – Environmental Site Assessments (ESAs) to CSA and O.Reg. 153/04 Standards.
- Responsible for the application of environmental, hydrological, and/or geotechnical principles and practices in the identification and delineation of soil and groundwater contamination plumes while ensuring compliance with federal, provincial, and/or municipal legal and regulatory requirements.
- Presenting analytical test results, interpretations, assessments, recommendations and/or conclusions in a final technical report.
- Field experience in the supervision of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil and rock classification, and soil and groundwater field sampling.
- Coordination of contractors while directly reporting to intermediate and senior management to ensure completion of project on schedule and within budget.

July 2023 to February 2024 – **Project Coordinator, Materials Testing, Paterson Group, Ottawa, Ontario**

- Prepares technical reports for existing clients, such as geotechnical summaries, and foundation assessments.
- Compiles proposals for various private and government-based tenders.
- Aids with project-related procurements.
- Prepares and reviews training and Standard Operating Procedures (SOP's) documents for the Materials Testing Department.
- Works closely with Director or Project Managers within the Materials Testing Department to ensure reports are completed on time.
- Actively takes part in extra training and the training of field staff.
- Assists the Director or Project Manager and field staff with various site inspections.

May 2021 to July 2023 – **Field Technologist, Materials Testing – Paterson Group, Ottawa, ON**

- Geotechnical investigations include test pitting programs for various types of subsurface soils investigations.
- Prepares geotechnical investigation reports and slope stability analysis with accompanying recommendations.
- Field inspections and material testing include but not limited to compaction, proof rolling, concrete testing, mortar/grout testing, subgrade reviews, bearing medium evaluations, bearing surface inspections, rebar inspections, both footings and walls, and asphalt sampling.
- Specialty testing such as, cover meter inspections, Piling and Micro Piling, excavation reviews, thermocouple installation and readings, Schmidt hammer testing, granular sampling, light weight fill, and crack monitoring.

June 2017 to June 2018 – **Site Engineer, Sheth Enterprise – Surat, Gujarat, India**

- Used theoretical knowledge of construction work in practical scenarios.
- Was responsible for handling multiple residential construction sites in Surat area.
- Performed duties such as site inspections, supervision of workers and the coordination between contractors and design engineers.
- Trained civil engineering graduates during their internships on the construction sites.

February 2017 to April 2017 – **Environmental Laboratory Trainee – Detox Corporation Pvt. Ltd. – Surat, Gujarat, India**

- Performed analysis of environmental samples which were collected on a regular basis adhering to the safety regulations.
- Understood the design plans of water and wastewater treatment plants.
- Implemented various regulations and limits of parameters in water and wastewater discharge.
- Performed analysis of samples using apparatus such as a Bomb Calorimeter and a Spectrophotometer.
- Conducted a variety of tests on water and wastewater using methods such as Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) tests.
- Learned how to formulate environmental impact assessment reports.
- Authored professional reports listing the characteristics of tested waste and hazardous waste.
- Gathered and prepared reports on Quality Assurance (QA) of environmental waste.



PATERSON GROUP

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Adrian Menyhart, P.Eng., ing., QP_{esa} **Senior Project Manager**

Adrian received his Bachelor of Engineering from Carleton University in 2011, with a specialization in environmental engineering, and joined Paterson Group shortly after graduation. Over the next seven years, Adrian gained significant experience in all aspects of environmental engineering, beginning with field work and later, with reporting and project management. In 2018, Adrian joined the National Research Council as an environmental officer, working in the field of polyfluoroalkyl substances (PFAS) at the National Fire Laboratory. Following the National Research Council, Adrian returned to consulting at WSP Canada Inc. At WSP, Adrian assisted the Ottawa environmental group as a project manager, managing large and small federal environmental projects such as the investigations for the proposed Alexandra interprovincial bridge. Finally, after two years away, Adrian returned to Paterson Group as a senior project manager within the environmental department.

Adrian has filed multiple Records of Site Condition with the Ontario Ministry of the Environment, Conservation and Parks and is knowledgeable with respect to Ontario's On-site and Excess Soil Regulation. Fluently bilingual, Adrian holds engineering licenses in both Ontario and Quebec, as well as being a Qualified Person in the Province of Ontario.

EDUCATION

B.Eng. 2011, Environmental Engineering,
Carleton University, Ottawa, ON

LICENCE/PROFESSIONAL AFFILIATIONS

Ordre des Ingénieurs du Québec
Professional Engineers of Ontario

YEARS OF EXPERIENCE

Paterson Group
2020-Present

WSP Canada Inc.
2019-2020

National Research Council
2018-2019

Paterson Group
2011 – 2018

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- The Ottawa Hospital, Remediation of New Campus.
- PSPC, Alexandra Bridge Replacement, Phase II ESA, Ottawa/Gatineau – provided oversight of the Phase I and Phase II program for the bridge replacement program.
- PSPC/BGIS, Finance Building and Annex – Tunney's Pasture, Phase II ESA – Oversaw the planning, reporting and completion of a Phase II ESA within the project buildings.
- Canada Lands Corporation, 530 Tremblay Avenue, Oversaw the planning, reporting and completion of a Phase I ESA, and planning requirements of a Phase II ESA.
- National Fire Laboratory, PFAS investigation – Provided technical support for the National Research Council, with respect to the ongoing PFAS investigation.
- Ottawa Arts Gallery Expansion, Ottawa, ON – Provided guidance in the segregation of soils on the site, managing contaminated and clean materials, providing daily correspondence with the client. Successfully filed a Record of Site Condition for the property.

PROFESSIONAL EXPERIENCE

November 2020 to Present, **Environmental Engineer, Paterson Group Inc.**, Ottawa, Ontario

- Client communications, proposal preparation, invoicing, and developing internal processes.
- Coordination, preparation and management of Phase I and Phase II Environmental Site Assessment.
- Coordination, preparation and managed Designated Substance Surveys and indoor air quality assessments.
- Preparation of soil and groundwater remediation plans.
- Filing records of site condition with the Ontario Ministry of the Environment, Conservation and Parks.
- Preparation of Risk Assessments
- Implementation of Excess Soil Regulations, Ontario.
- Phase I, Phase II Environmental Site Assessments and remediation, as per MELCCFP (Quebec)
- Implementation of Traces Quebec for soil movement projects in the province of Quebec.

March 2019 to 2020, **Environmental Engineer, WSP Canada Inc.**, Ottawa, Ontario

- Coordinated, prepared Phase I and Phase II Environmental Site Assessments for Federal and private clients.
- Coordinated, prepared and managed Designated Substance Surveys for various Federal and private clients, in both English and French.
- Managed all projects from preparation of proposals, to final invoicing.

September 2018 to 2019, **Environmental Officer, National Research Council**, Ottawa, Ontario

- Oversaw on-going PFAS investigation program at the National Fire Laboratory in Almonte, Ontario, being carried out by NRC consultants.
- Reviewed and commented on deliverables prepared by consultants, while coordinating with internal legal, communications, and presidential departments within the NRC.
- Corresponded with area residents surrounding the Laboratory.
- Coordinated potable water supply program.

September 2011 to 2018, **Environmental Engineer, Paterson Group Inc.**, Ottawa, Ontario

- Prepare, revise and submit all documentation and reports for the successful filing of Records of Site Condition with the Ministry of the Environment and Climate Change
- Provide on-site environmental expertise for remediation projects including Ottawa Arts Gallery, Rideau Centre Expansion and Tall Ships Landing, among various small scale remediation project within the greater Ottawa area.
- Coordinate field programs and prepare reports for Phase I and II projects across Ontario and Quebec.
- Oversee environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Conduct designated substance surveys in Ontario and Quebec.
- Coordinate air sampling programs for various environmental parameters, comparing results with regulatory standards and other guidelines.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations for environmental concerns.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for environment field programs and construction costs.