

Phase I Environmental Site Assessment

Mer-Bleue Elementary School,
Jerome Jodoin Drive and Future Street 10
Ottawa, Ontario

Prepared for: Ottawa Catholic School Board

Report: PE7193-1

Date: October 9, 2025

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Ottawa Catholic School Board, to carry out a Phase I-Environmental Site Assessment (ESA) for Mer-Blue Elementary School to the east side of Jerome Jodoin Drive and south of Sweetclover Way, 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 a review of available historical information, the majority of the Phase I Property has remained undeveloped, consisting primarily of grass- and brush-covered land. Portions of the property have been used since 2018 for the storage of construction equipment, materials, and reworked native soil associated with surrounding residential development. No environmental concerns were identified with the historical use of the Phase I Property.

Based on the available historical information, adjacent and surrounding properties within the Phase I Study Area consists of agricultural, residential and commercial land use purposes. One historical off-site PCA, a contractor's yard, was identified in the Phase I Study Area. Based on the separation distance and its cross-gradient orientation with respect to the Phase I Property, the identified off-site PCA is not considered to represent APEC on the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property consists of grass- and brush-covered areas, with one large and one medium-sized stockpile, as well as graded soil in the central portion of the site. The graded area is approximately 1 m thick and raises the existing grade. The stockpiles and graded soil appear to consist of reworked native material associated with nearby residential and institutional development in recent years. The presence of this fill material is not considered an environmental concern, as it is believed to be native reworked soil.

Land use within the Phase I Study Area consists of residential and parkland, along with areas of vacant, undeveloped land. No PCAs were observed within the Phase I Study Area during the site visit.

Based on the findings of the Phase I ESA, it is **our opinion that a Phase II-Environmental Site Assessment is not required for the Phase I Property.**

1.0 INTRODUCTION

At the request of Ottawa Catholic School Board, Paterson Group (Paterson) carried out a Phase I-Environmental Site Assessment (Phase I-ESA) for Mer-Blue Elementary School at Jerome Jodoin Drive and Future Street 10, 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. Donald Wood with Ottawa Catholic School Board and can be reached at mailing address 570 West Hunt Club Road, Ottawa, ON, K2G 3R4.

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:	No municipal address.
Legal Description:	Part of Lot 5, Concession 11, Geographic Township of Cumberland, City of Ottawa.
Property Identification Number (PIN):	PIN not available.
Location:	The Phase I Property is located east side of Jerome Jodoin Drive and will be situated south of future street 10, approximately 55m south of Sweetclover Way, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 26' 16.48" N, 75° 29' 16.83" W
Site Description:	
Configuration:	Irregular
Area:	2.6 ha (approximate)
Zoning:	I1A / R3YY [2590] – Minor Institutional Zone
Current Use:	The Phase I Property currently consists of grass-covered vacant land. It is being used for soil stockpiling and occasional storage of construction equipment related to nearby residential development activities.
Services:	The Phase I Property is currently not serviced but is expected to be connected to municipal services upon future development.

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 the review of available historical information, the majority of the Phase I Property has remained undeveloped, consisting primarily of grass- and brush-covered land. Portions of the property have been used since 2018 for the storage of construction equipment, materials, and reworked native soil associated with surrounding residential development.

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 was not made available to Paterson for review.

Previous Environmental Reports

No previous engineering reports were available for review.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on August 8, 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 August 8, 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 October 2, 2025, indicating that no relevant records were found. 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 October 2, 2025, indicating that no relevant records were found. 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 October 2, 2025, indicating that no relevant records were found. 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 October 2, 2025, indicating that no relevant records were found. 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 8, 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 had not been received at the time of issuing the report. A copy of the search results will be forwarded to the client upon receipt.

A copy of the HLUI request form 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 Services (ERIS) Report

An Environmental Risk Information Services (ERIS) report, dated August 13, 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:***

No records were identified for the Phase I Property in the ERIS Report.

☐ ***Off-Site Records:***

A total of 5 records from various databases were identified for properties within a 250m radius of the Phase I Property.

The ERIS report identified one Ontario Spill record and one Pipeline Incident record for 134 Arum Terrace, located approximately 140 m north of the Phase I Property. Both records relate to damage to a natural gas pipeline and a natural gas release in 2018. Based on the nature of the incident, these records are not considered to pose an environmental concern to the Phase I Property.

The ERIS report identified one certificate of approval record and two permit to take water records for surrounding property within the Phase I Study Area. The records are limited to sewer and water works and are not considered to pose an environmental risk 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 appears to consist primarily of vacant agricultural land, with surrounding properties also comprising agricultural fields. Mer Bleue Road is located to the west of the Phase I Property. |
| 1955 | No significant changes are apparent with regard to the Phase I Property and surrounding properties. |
| 1965 | (GeoOttawa) No significant changes are apparent with regard to the Phase I Property. Residential dwelling and/or farmsteads appears constructed to the west and southwest of the Phase I Property, along Mer Bleue Road. |
| 1976 | (GeoOttawa) No significant changes are apparent with regard to the Phase I Property. Further residential dwellings are constructed to the west of the Phase I Property, along Mer Bleue Road. |
| 1985 | No significant changes are apparent with regard to the Phase I Property. Further residential dwellings are constructed to the west of the Phase I Property, along Mer Bleue Road. |
| 1991 | (GeoOttawa) No significant changes are apparent with regard to the Phase I Property and surrounding properties. |
| 2002 | (GeoOttawa) No significant changes are apparent with regard to the Phase I Property and surrounding properties. |
| 2011 | (GeoOttawa) No significant changes are apparent with regard to the Phase I Property. The property located further west along Mer-Bleue Road appears to be used for the storage of construction materials and vehicles, suggesting its use as a landscaping contractor's yard or general contractor's yard. This property is considered a Potentially Contaminating Activity (PCA) within the Phase I Study Area. |
| 2022 | (GeoOttawa) The Phase I Property appears to have been cleared of agricultural fields and appears being used for soil stockpiling. Surrounding properties to the north appear to be developed with new |

residential subdivisions, including the construction of new roadways. Jerome Jodoin Drive has been constructed to the northwest of the Phase I Property. The property further to the west appears to be occupied by a contractor, with multiple vehicles on site and storage of soil, granular materials, and other construction materials.

The soil stockpiles observed on the Phase I Property are presumed to be associated with subdivision construction and likely consist of native excavated material from the area north of the site. The presence of this fill material is not considered an environmental concern, as it is believed to be native reworked soil.

The property located to the west of the Phase I Property along Mer-Bleue Road is identified as a PCA. Based on the separation distance and its cross-gradient orientation with respect to the Phase I Property, the identified off-site PCA is not considered to represent APEC on 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 85m above sea level. The regional topography in the general area of the Phase I Property slightly slopes downward to the south. 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 site consists of interbedded limestone and shale of the Lindsay Formation. Based on geological mapping, the surficial geology of the

Phase I Property reportedly consists of offshore marine sediments of clay and silts with the overburden thickness across the site from 25 to 50 metres.

Geotechnical Investigation

A borehole and test pit program was carried out as part of the ongoing geotechnical investigation at the Phase I Property. A total of 16 boreholes were advanced to a maximum depth of 6.55 m below ground surface, and 19 test pits were excavated by backhoe to a maximum depth of 1.90 m below ground surface.

The site stratigraphy generally consisted of an occasional surficial topsoil layer underlain by fill material, followed by native silty clay. The fill materials were identified as silty sand with gravel and silty clay with gravel, and are primarily considered to represent reworked native soils. Occasional inclusions of wood, plastic, and asphalt fragments were observed within the fill; however, these minor occurrences are not considered representative of the fill material as a whole and are not interpreted to indicate contamination at the Phase I Property.

Water Well Records

A search of the MECPs website was conducted on August 11, 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 three well records associated with surrounding properties within the Phase I Study Area. Of these, two records relate to domestic wells installed in 1972 and 1994. The remaining record contained no details other than a 2018 well completion date, which is presumed to correspond to a monitoring well installed for geotechnical and/or environmental purposes. Although municipal services are available, it is expected that drinking water wells remain in use within the Phase I Study Area. A copy of the well records has been included in Appendix 2.

In general, the well records indicate that the subsurface strata within the Phase I Study Area consist of clay overlying sand and gravel, underlain by limestone bedrock. Bedrock was encountered at depths of 35.35 m and 36 m below ground surface (mbgs) in the identified well records within the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representatives

A representative of the Ottawa Carleton School Board was contacted for questions; however no response was received.

While scheduling the geotechnical investigation which occurred around the same time of the Phase I ESA, the on-site excavation contractor informed Paterson that the stockpiles of soil located on the Phase I Property had originated from the general area as part of the subdivision development. The contractor also added that the stockpiles will be removed prior to redevelopment of the Phase I Property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted on August 25, 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 24°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

No building or permanent structures are present on the Phase I Property.

Subsurface Structures and Utilities

No utility services are present on the Phase I Property at the time of this report. No subsurface structures were identified at the time of the site inspection.

Site Features

The Phase I Property consists of grass- and brush-covered areas, with one large and one medium-sized stockpile, as well as graded soil in the central portion of the site. The graded area is approximately 1 m thick and raises the existing grade. The stockpiles and graded soil appear to consist of reworked native material associated with nearby residential and institutional development in recent years.

Overall, the Phase I Property is generally at grade with the surrounding properties, except in the areas of stockpiling and grading. Site topography is mostly flat outside

these areas, while the stockpiled and graded sections are uneven. The regional topography in the general area of the Phase I Property slightly slopes downward to the south.

Water drainage on the Phase I Property occurs via infiltration. 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 PE7193-1 – 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 waste is currently generated on the Phase I Property.

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

No transformers were observed on the exterior of the Phase I Property.

☐ **Fill Material**

One large and one medium-sized stockpile, along with an area of approximately 1 m of graded soil, were observed on the Phase I Property. The soil consisted primarily of silty clay with gravel, and no deleterious materials were noted within the stockpiles. The graded soil and stockpiled material are presumed to consist of reworked native soils from recent

nearby developments. The fill material is not considered to pose an environmental concern to the Phase I Property.

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 - Residential dwellings, followed by Sweetclover Way;
- ☐ South - Vacant lands;
- ☐ East - Vacant land, followed by residential dwellings;
- ☐ West - Jerome Jodoin Drive, followed by vacant land, followed by residential dwellings.

Land use within the Phase I Study Area consists of residential and parkland, along with areas of vacant, undeveloped land. No PCAs were observed within the Phase I Study Area during the site visit.

Current land use and PCAs identified in the Phase I Study Area are presented on Drawing PE7193-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Based on the review of available historical information, the majority of the Phase I Property has remained undeveloped, consisting primarily of grass- and brush-covered land. Portions of the property have been used since 2018 for the storage of construction equipment, materials, and reworked native soil associated with surrounding residential development.

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

Based on the findings of the Phase I ESA, one off-site PCA (as listed in Column A, Table 2 of O.Reg.153/04) was identified within the Phase I Study Area.

Based on the separation distance and its cross-gradient orientation with respect to the Phase I Property, the identified off-site PCA is not considered to represent APEC on the Phase I Property.

No APECs have been identified on the Phase I Property.

The identified PCA within the Phase I Study Area is presented on Drawing PE7193-2 – 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 at the site consists of interbedded limestone and shale of the Lindsay Formation. Based on geological mapping, the surficial geology of the Phase I Property reportedly consists of offshore marine sediments of clay and silts with the overburden thickness across the site from 25 to 50 metres.

The topographic maps indicate that the elevation of the Phase I Property is approximately 85m above sea level. The regional topography in the general area of the Phase I Property slightly slopes downward to the south.

A borehole and test pit program was carried out as part of the ongoing geotechnical investigation at the Phase I Property. A total of 16 boreholes were advanced to a maximum depth of 6.55 m below ground surface, and 19 test pits were excavated by backhoe to a maximum depth of 1.90 m below ground surface.

The site stratigraphy generally consisted of an occasional surficial topsoil layer underlain by fill material, followed by native silty clay. The fill materials were identified as silty sand with gravel and silty clay with gravel, and are primarily considered to represent reworked native soils.

Fill Placement

One large and one medium-sized stockpile, along with an area of approximately 1 m of graded soil, were observed on the Phase I Property. The soil consisted primarily of silty clay with gravel, and no deleterious materials were noted within the stockpiles. The graded soil and stockpiled material are presumed to consist of reworked native soils from recent nearby developments. The fill material is not considered to pose an environmental concern to the Phase I Property.

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 August 8, 2025. The search did not reveal any areas of natural significance within the Phase I Study Area. The nearest body of water is the McKinnons Creek, approximately 280m northeast of the Phase I Property.

Potable Water Wells

A search of the MECs website was conducted on August 11, 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 two domestic well records associated with surrounding properties within the Phase I Study Area installed in 1972 and 1994. Although municipal services are available, it is expected that drinking water wells remain in use within the Phase I Study Area.

Monitoring Wells

No monitoring well records were identified for the Phase I Property in the search of MECs website. One record was identified for the surrounding property within the Phase I Study Area. The record contained no details other than a 2018 well completion date, which is presumed to correspond to a monitoring well installed for geotechnical and/or environmental purposes.

In general, the well records indicate that the subsurface strata within the Phase I Study Area consist of clay overlying sand and gravel, underlain by limestone bedrock. Bedrock was encountered at depths of 35.35 m and 36 m below ground surface (mbgs) in the identified well records within the Phase I Study Area.

Existing Buildings and Structures

No building or permanent structures are present on the Phase I Property.

Subsurface Structures and Utilities

No utility services are present on the Phase I Property at the time of this report. No subsurface structures were identified at the time of the site inspection.

Neighbouring Land Use

Land use within the Phase I Study Area consists of residential and parkland, along with areas of vacant, undeveloped land. No PCAs were observed within the Phase

I Study Area during the site visit. Current land use and PCAs identified in the Phase I Study Area are presented on Drawing PE7193-2 – Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As previously discussed in Section 7.1, one off-site PCA (as listed in Column A, Table 2 of O.Reg.153/04) was identified within the Phase I Study Area. Based on the separation distance and its cross-gradient orientation with respect to the Phase I Property, the identified off-site PCA is 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 Drawing PE7193-2 – 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 PCA identified within the Phase I Study Area is not considered to represent APEC on the Phase I Property, based on its separation distance and cross-gradient orientation 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 Ottawa Catholic School Board, to carry out a Phase I-Environmental Site Assessment (ESA) for Mer-Blue Elementary School to the east side of Jerome Jodoin Drive and south of Sweetclover Way, 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 a review of available historical information, the majority of the Phase I Property has remained undeveloped, consisting primarily of grass- and brush-covered land. Portions of the property have been used since 2018 for the storage of construction equipment, materials, and reworked native soil associated with surrounding residential development. No environmental concerns were identified with the historical use of the Phase I Property.

Based on the available historical information, adjacent and surrounding properties within the Phase I Study Area consists of agricultural, residential and commercial land use purposes. One historical off-site PCA, a contractor's yard, was identified in the Phase I Study Area. Based on the separation distance and its cross-gradient orientation with respect to the Phase I Property, the identified off-site PCA is not considered to represent APEC on the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property consists of grass- and brush-covered areas, with one large and one medium-sized stockpile, as well as graded soil in the central portion of the site. The graded area is approximately 1 m thick and raises the existing grade. The stockpiles and graded soil appear to consist of reworked native material associated with nearby residential and institutional development in recent years. The presence of this fill material is not considered an environmental concern, as it is considered to be native reworked soil.

Land use within the Phase I Study Area consists of residential and parkland, along with areas of vacant, undeveloped land. No PCAs were observed within the Phase I Study Area during the site visit.

Based on the findings of the Phase I ESA, it is **our opinion that a Phase II-Environmental Site Assessment is not required for the Phase I Property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and 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 Ottawa Catholic School Board. Permission and notification from Ottawa Catholic School Board 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:

- ☐ Ottawa Catholic School Board
- ☐ 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
Previous Engineering Reports
Environmental Risk Information Services (ERIS) Report, August 13, 2025

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE7193-1 – SITE PLAN

DRAWING PE7193-2 – SURROUNDING LAND USE PLAN

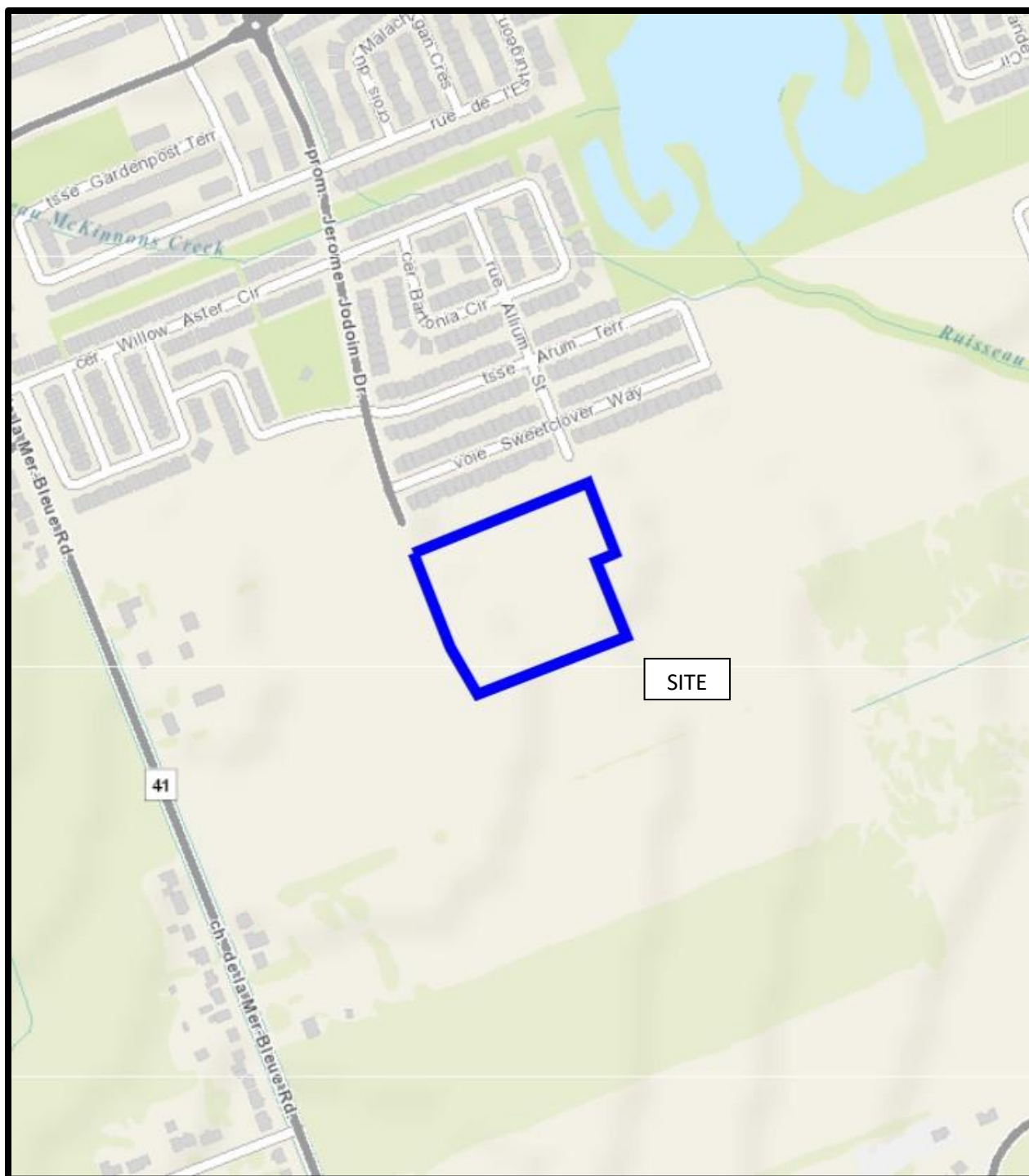


FIGURE 1
KEY PLAN

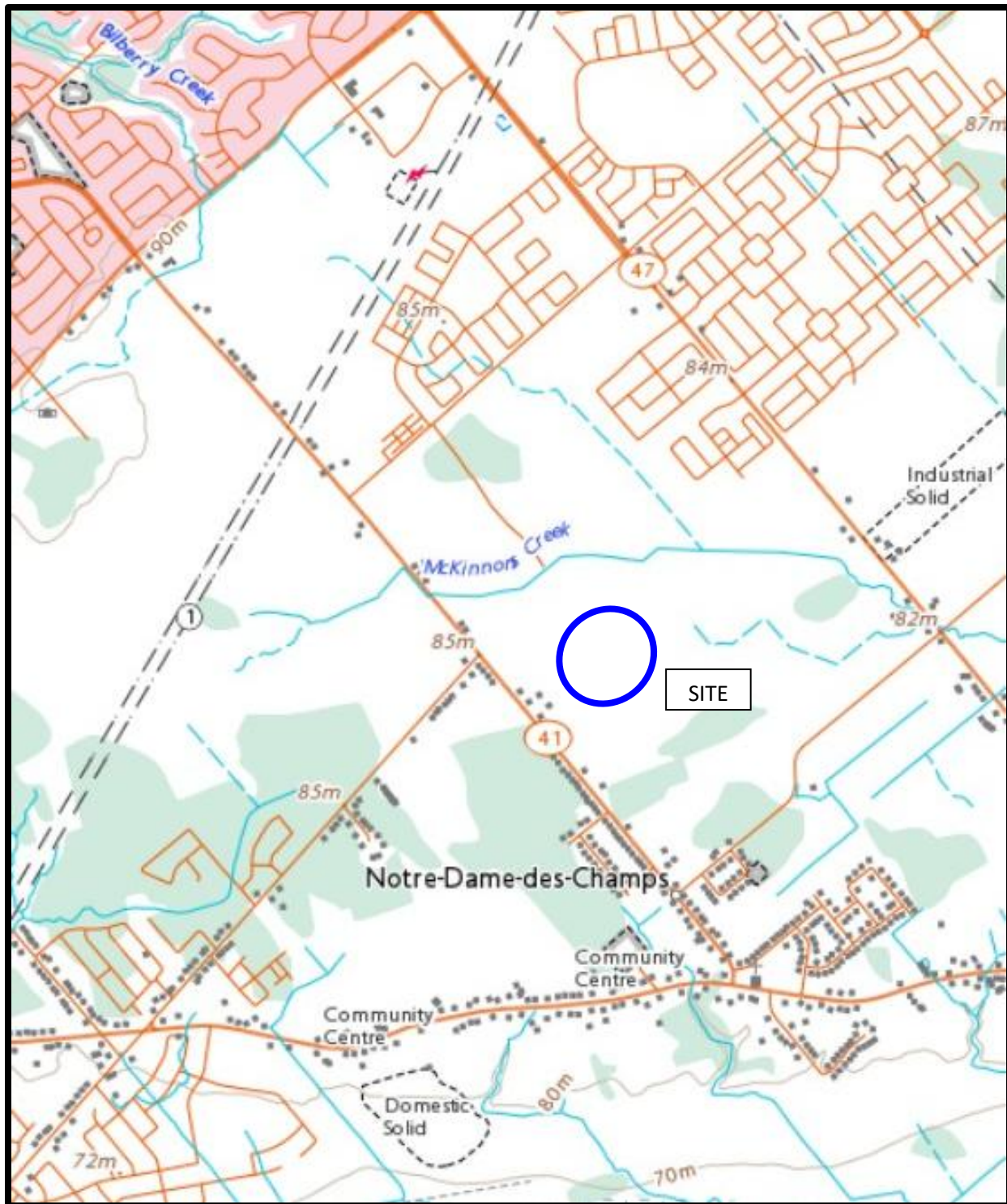
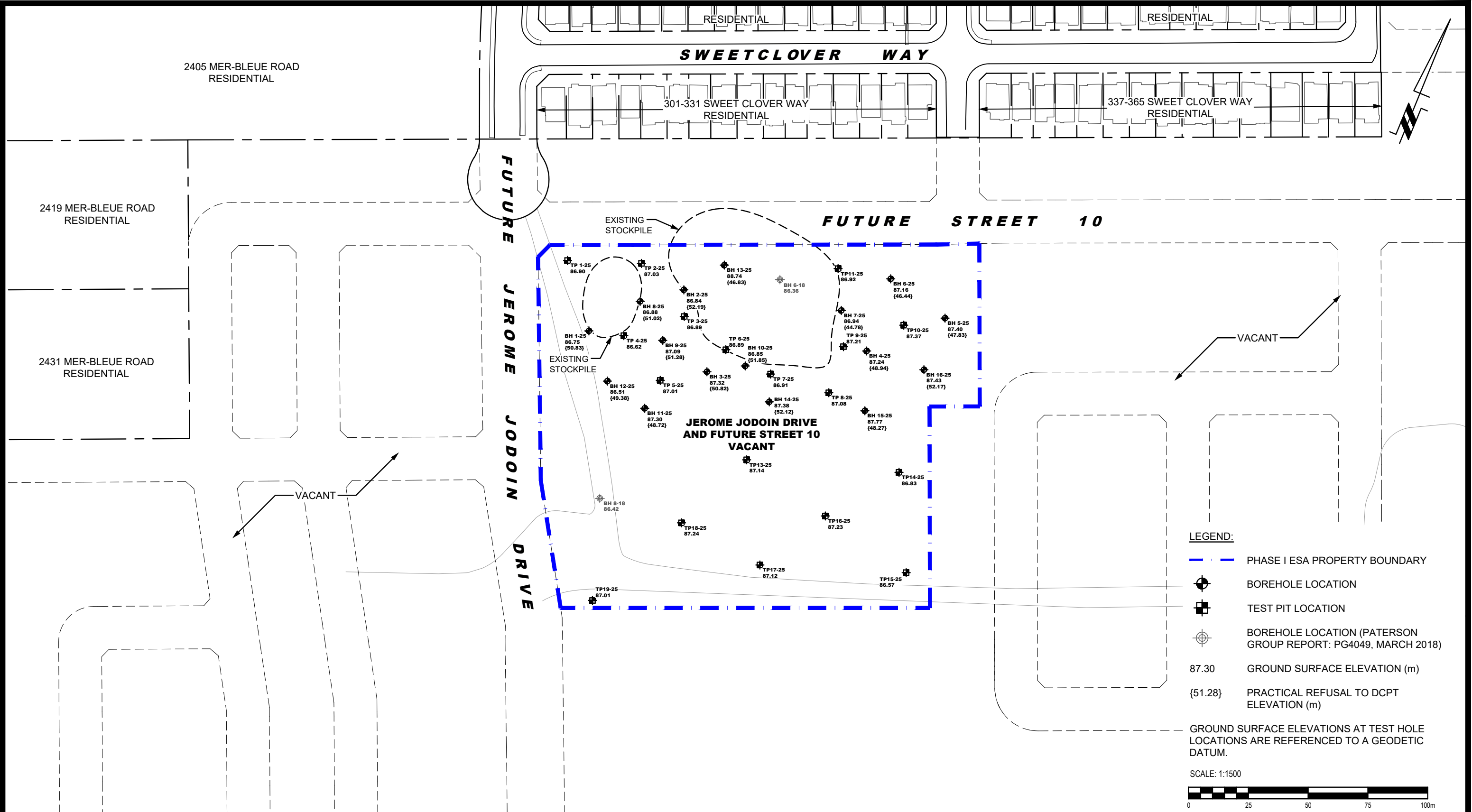
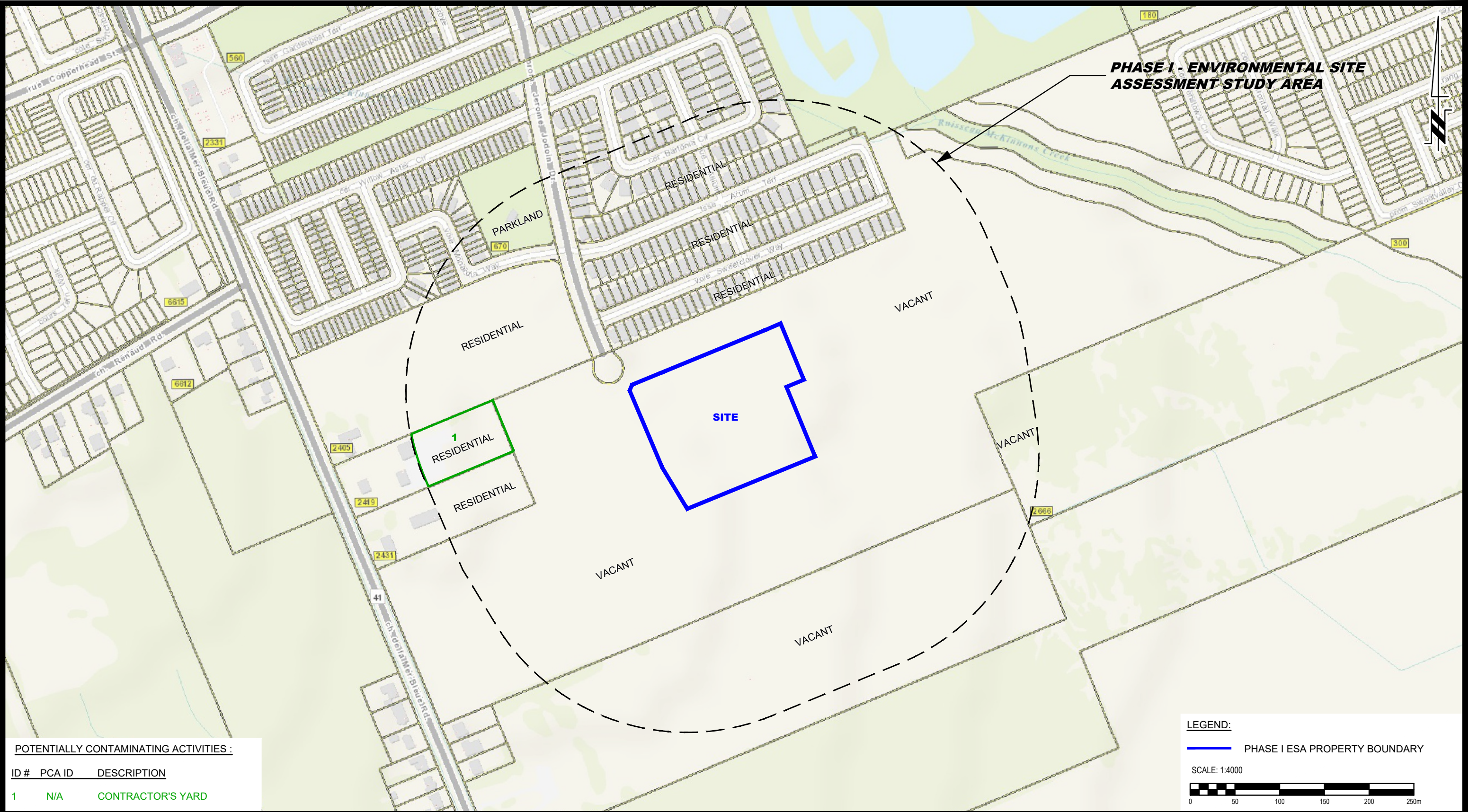


FIGURE 2
TOPOGRAPHIC MAP



PATERSON GROUP 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381					OTTAWA CATHOLIC SCHOOL BOARD PHASE I - ENVIRONMENTAL SITE ASSESSMENT MER-BLEUE ELEMENTARY SCHOOL, JEROME JODOIN DRIVE AND FUTURE STREET 10			Scale: 1:1500	Date: 09/2025
					OTTAWA, ONTARIO			Drawn by: ZS	Report No.: PE7193-1
					Title: SITE PLAN			Checked by: KP	Dwg. No.: PE7193-1
								Approved by: AM	
NO.	REVISIONS	DATE	INITIAL					Revision No.:	



POTENTIALLY CONTAMINATING ACTIVITIES :

ID #	PCA ID	DESCRIPTION
1	N/A	CONTRACTOR'S YARD

LEGEND:

PHASE I ESA PROPERTY BOUNDARY

SCALE: 1:4000

0 50 100 150 200 250m



PATERSON GROUP

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

NO.	REVISIONS	DATE	INITIAL

OTTAWA CATHOLIC SCHOOL BOARD
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
MER-BLEUE ELEMENTARY SCHOOL,
JEROME JODOIN DRIVE AND FUTURE STREET 10

OTTAWA,
Title:

ONTARIO

SURROUNDING LAND USE PLAN

Scale:	1:4000	Date:	09/2025
Drawn by:	ZS	Report No.:	PE7193-1
Checked by:	KP	Dwg. No.:	PE7193-2
Approved by:	AM	Revision No.:	

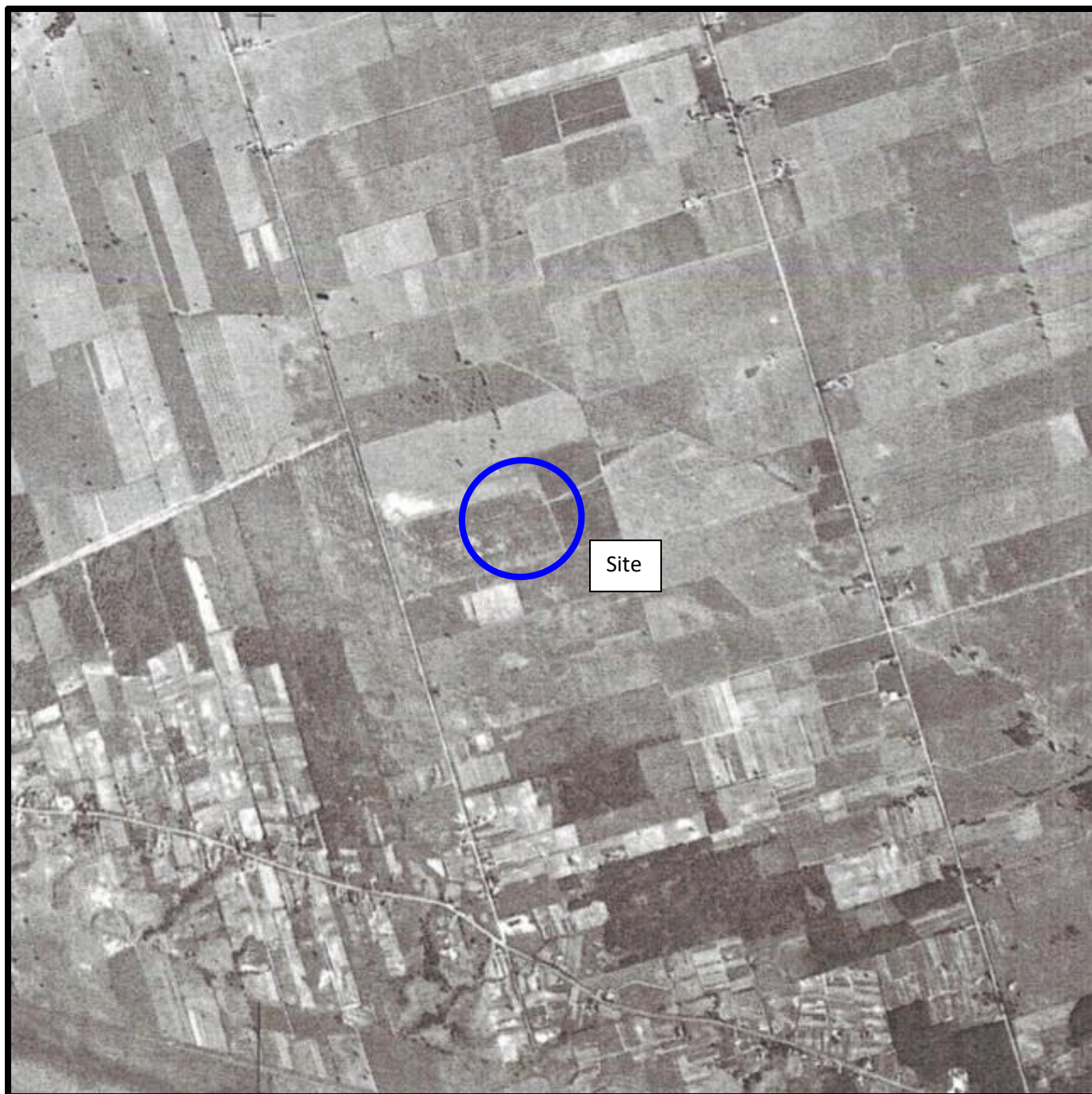
APPENDIX 1

AERIAL PHOTOGRAPHS

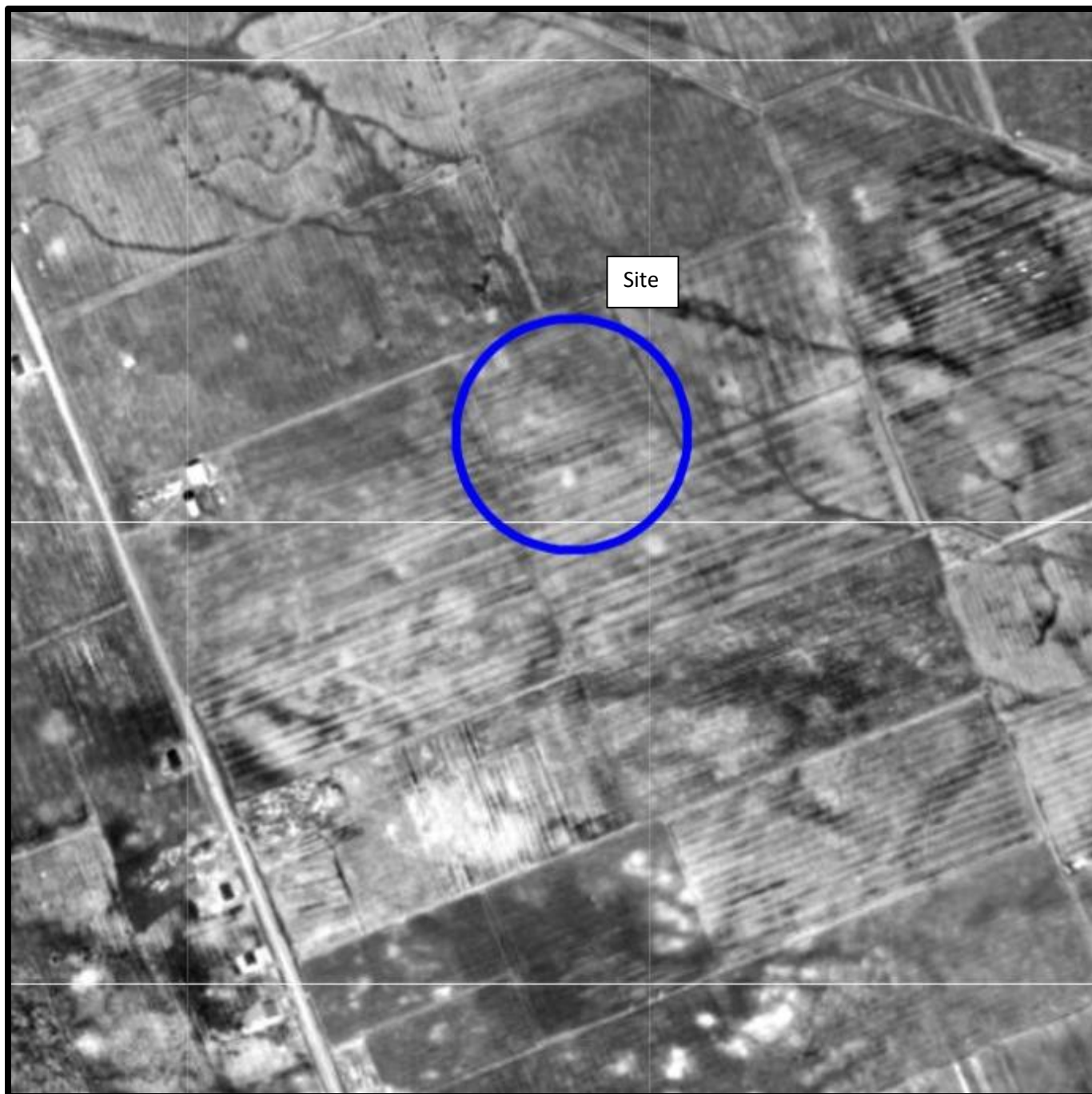
SITE PHOTOGRAPHS



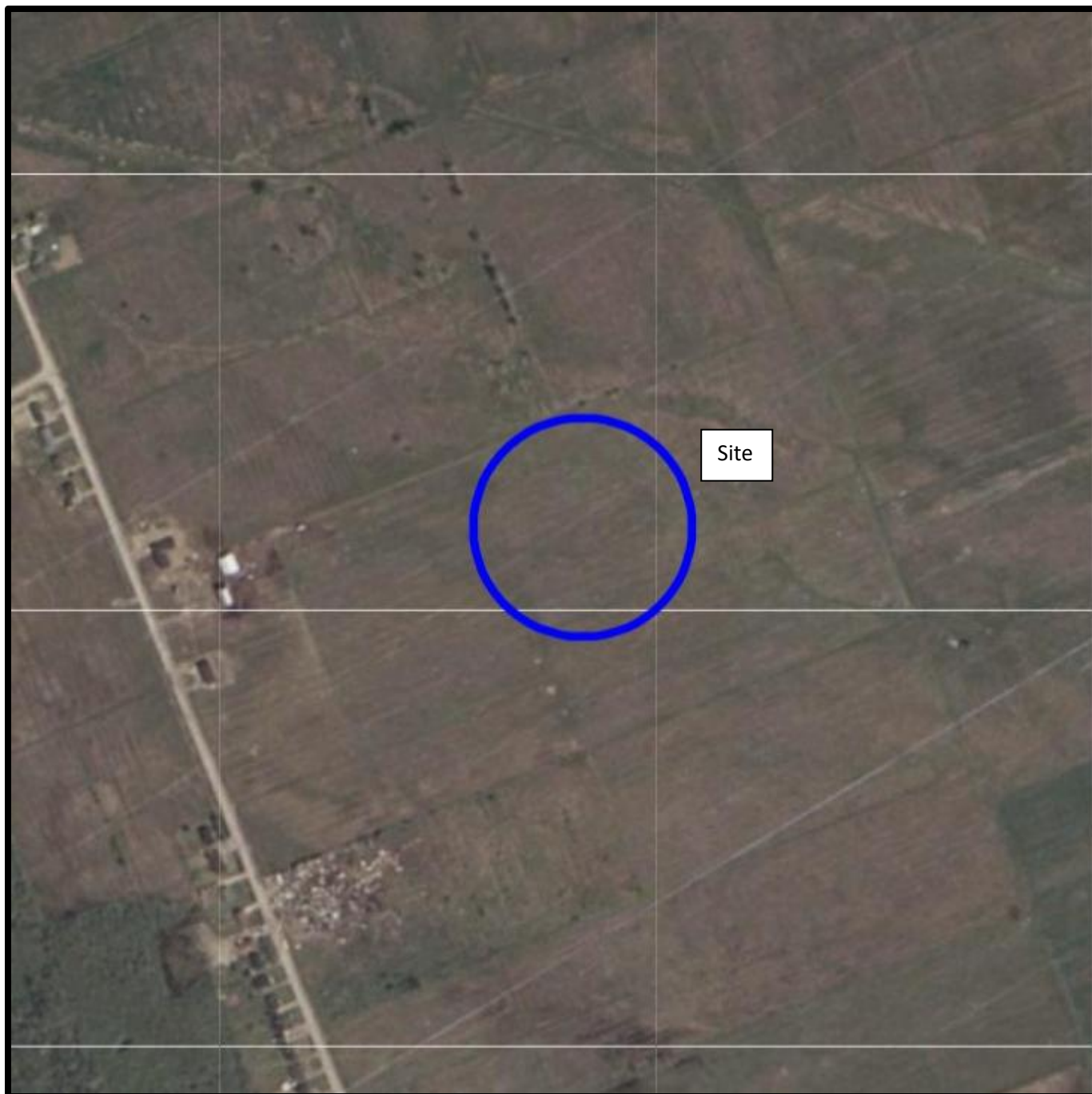
AERIAL PHOTOGRAPH
1945



AERIAL PHOTOGRAPH
1955



AERIAL PHOTOGRAPH
1965



AERIAL PHOTOGRAPH
1976



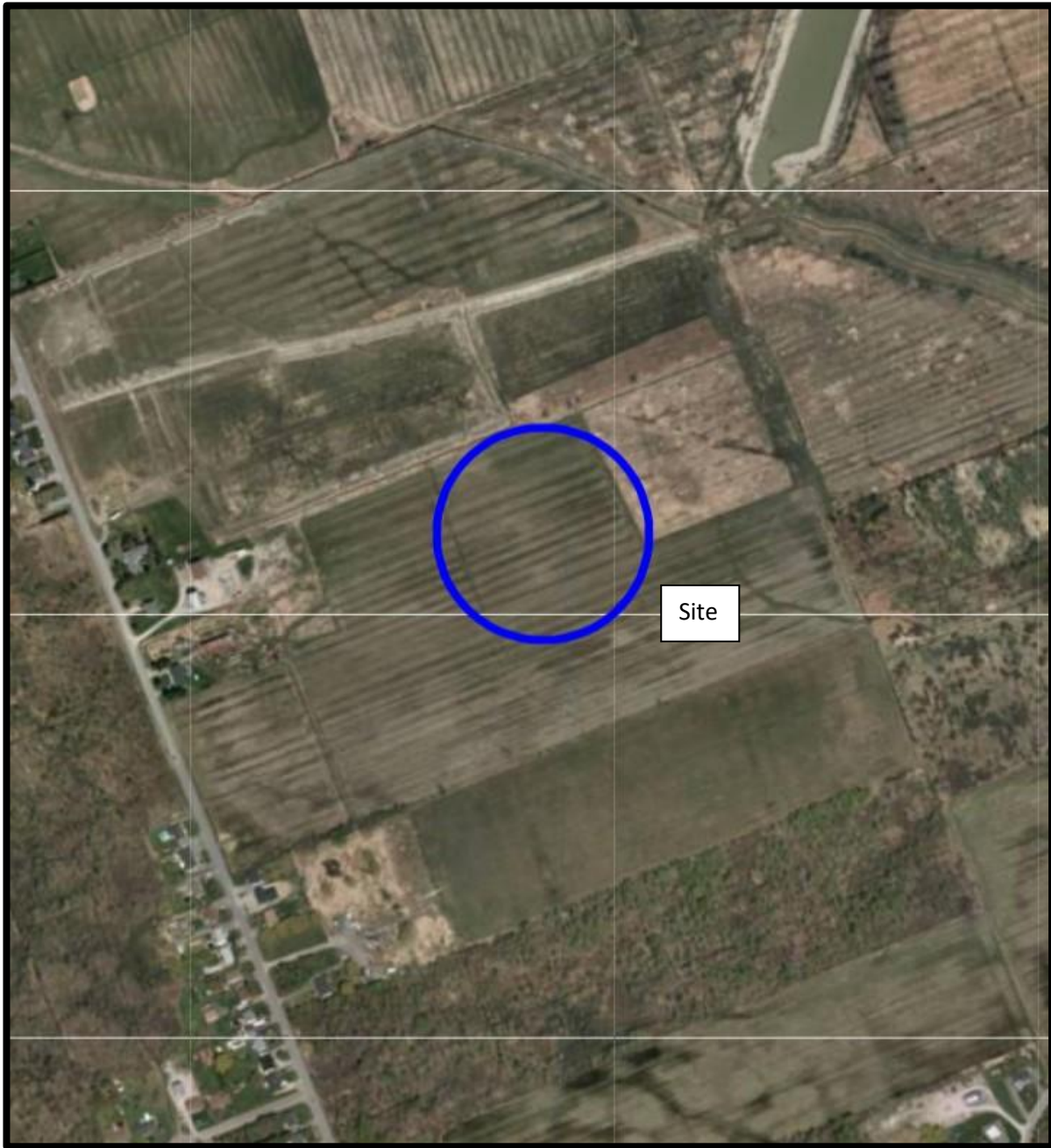
AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2022

Site Photographs

PE7193

Mer-Blue Elementary School, Ottawa ON

August 25, 2025



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



Photograph 2: View of the southern portion of the Phase I Property, facing east.

Site Photographs

PE7193

Mer-Blue Elementary School, Ottawa ON

August 25, 2025



Photograph 3: View of southeastern portion of the Phase I Property, facing east.



Photograph 4: View of eastern portion of the Phase I Property, facing south.

Site Photographs

PE7193

Mer-Blue Elementary School, Ottawa ON

August 25, 2025



Photograph 5: View of stockpile on the Phase I Property, facing west.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS REPORT



October 2, 2025

Mr. Kuldeep Panchal
Paterson Group
9 Auriga Drive
Ottawa, Ontario
kpanchal@patersongroup.ca

Dear Kuldeep Panchal:

RE: **MECP FOI A-2025-06109, Your Reference PE7193 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

Lot 4 Conc 11, Cumberland, Ottawa

Timeframe: January 1, 1900 to September 8, 2025

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned. This file is now closed.

The ministry's Environmental Assessment and Permissions Division (EAPD) has advised that there are inactive records in the Records Centre, Mississauga, and below is a description of these records:

- 2015-AC2MZV, Sewage, Mattamy (Mer Bleue) Ltd, Approved, Offsite, 0791, 2016

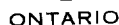
If you would like us to retrieve these files, **please submit a new request** and inform the analyst below. In the request description section, indicate you are seeking records from the Record Centre in relation to file number A-2025-06109. The \$5 application fee for your new FOI request will be applied towards any costs incurred with the retrieval of the records from the Records Centre.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Daniela Jaramillo at daniela.jaramillo@ontario.ca.

Yours truly,
Daniela Jaramillo

for
Josephine DeSouza
Manager, Access and Privacy Office



WATER WELL RECORD

11

1512413

MUNICIP

CON

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

YN. VILLAGE

CON., BLOCK, TRACT, SURVEY, ETC

LOT 25-27

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

11

X1

004

DATE COMPLETED _____

48-53

2. Napan, Ont. Box 2334

DAY 01 MO. 12 YR. 72

G
31,390

RC.

ELEVATION
1030

RC.

BASIN CODE
15

1

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

OFFICE USE ONLY	DATA SOURCE		58	CONTRACTOR	59-62	DATE RECEIVED	63-68
	1			1504		240473	
	DATE OF INSPECTION			INSPECTOR			
				K			
REMARKS:							P 1
CSS.S8							WI

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

1528303

MUNICIP. 15011

CON. CON.

111

COUNTY OR DISTRICT 1 2 11	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE 11	CON. BLOCK, TRACT, SURVEY-ETC 11	LOT 25-27 4
DATE COMPLETED DAY 4 MO 10 YR 94		DATE RECEIVED DAY 4 MO 10 YR 94	
ELEVATION 448.149		BASIN CODE 11	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	clay			0	14
grey	clay			14	100
grey	sand	gravel		100	118
grey	limestone			118	128

31	32
----	----

41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
10-13 120	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD			
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11 6.8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0 118
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		20-23
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		27-30

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

61 PLUGGING & SEALING RECORD	
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13 20	14-17 Cement Grout
18-21	22-25
26-29	30-33

71 PUMPING TEST	PUMPING TEST METHOD 1 ☐ PUMP 2 ☒ BAILER	PUMPING RATE 8 GPM	DURATION OF PUMPING 15-16 HOURS 17-18 MINS
	STATIC LEVEL 19-21 20 FEET	WATER LEVEL END OF PUMPING 22-24 100 FEET	WATER LEVELS DURING 15 MINUTES 25-28 60 FEET
	IF FLOWING, GIVE RATE 38-41 128 GPM	PUMP INTAKE SET AT 42-45 110 FEET	WATER AT END OF TEST 46-49 5 GPM
	RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP	RECOMMENDED PUMP SETTING 43-45 110 FEET	RECOMMENDED PUMPING RATE 46-49 5 GPM

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL	5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 8 ☐ DEWATERING
	WATER USE	
	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ OTHER	6 ☐ COMMERCIAL 7 ☐ MUNICIPAL 8 ☐ PUBLIC SUPPLY 9 ☐ COOLING OR AIR CONDITIONING 10 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION	6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING 10 ☐ DIGGING ☐ OTHER

LOCATION OF WELL	
IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.	
DRILLERS REMARKS	
116672	

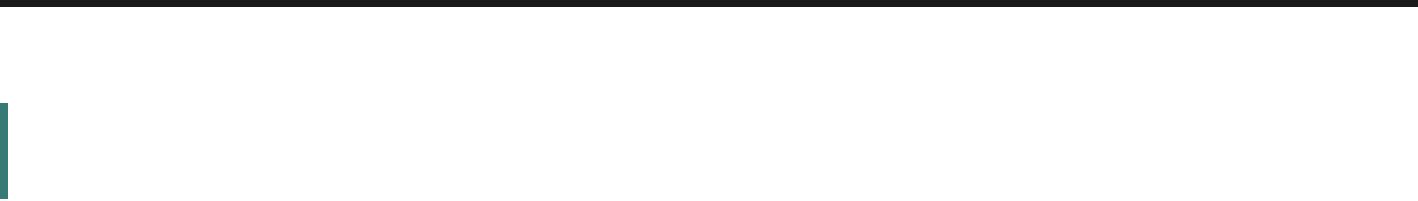
CONTRACTOR	NAME OF WELL CONTRACTOR Maurice Cayer	WELL CONTRACTOR'S LICENCE NUMBER 1517
	ADDRESS Casselmar Ont	
	NAME OF WELL TECHNICIAN Regan Cayer	WELL TECHNICIAN'S LICENCE NUMBER 0717
	SIGNATURE OF TECHNICIAN/CONTRACTOR Maurice Cayer	SUBMISSION DATE DAY 4 MO Oct YR 94

OFFICE USE ONLY	DATA SOURCE 1517	DATE RECEIVED NOV 21 1994
	DATE OF INSPECTION	INSPECTOR
	REMARKS C.S. Es	

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue (<https://data.ontario.ca/dataset/well-records>) .



[Go Back to Map](#)

Well ID

Well ID Number: 7315268

Well Audit Number: C40376

Well Tag Number: A215113

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	CUMBERLAND TOWNSHIP

Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 461551.00 Northing: 5031663.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed	

Method of Construction & Well Use

Method of Construction	Well Use	

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To	

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	

Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	

20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind	

Hole Diameter

Depth From	Depth To	Diameter	
------------	----------	----------	--

Audit Number: C40376

Date Well Completed: April 06, 2018

Date Well Record Received by MOE: July 27, 2018

Related

How to use a Ministry of the Environment map (<https://www.ontario.ca/page/how-use-ministry-environment-map#wells>)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

Updated: January 10, 2024
Published: March 20, 2014



RE: PE7193-Records Search Request

From Public Information Services <publicinformationsservices@tssa.org>

Date Tue 9/9/2025 8:53 AM

To Kuldeep Panchal <KPanchal@patersongroup.ca>

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

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

Accessing the applications

1. Click [Request a Public Record](#) - TSSA and click "need a copy of a document"
2. Select the appropriate application, download it, complete it in full and save it (Note: you will have to upload the application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

Accessing the Service Prepayment Portal

1. Select new or existing customer (*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

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 publicinformationsservices@tssa.org.

Kind regards,

From: Kuldeep Panchal <KPanchal@patersongroup.ca>
Sent: Monday, September 8, 2025 4:15 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: PE7193-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:

Mer-Bleue Road : 2405, 2419, 2431

Sweetclover Way : 305, 317, 337, 353

and, Part of Lot 4, Concession 11, Geographic Township of Cumberland, City of Ottawa.

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!

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Office Use Only

Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):
Client Service Centre Staff:	Fee Received:	\$



Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business and Technical Support Services, Planning, Development and Building Services Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 52815.

Background Information

*Site Address or Location:

Mer Bleue Elementary School, Southwest of Jerome Jodoin Drive and Future street 10, Orleans

** Mandatory Field*

*Applicant/Agent Information:

Company name:	Paterson Group Inc.		
Contact name:	Kuldeep Panchal		
Mailing Address:	9 Auriga Drive, Ottawa, ON, K2E 7T9		
Telephone:	613-226-7381	Email Address:	kpanchal@patersongroup.ca

*Registered Property Owner Information:

☐ Same as above

Name:	Ottawa Catholic School Board		
Mailing Address:	570 West Hunt Club Road, Ottawa, K2G 3R4		
Telephone:	613-224-2222	Email Address:	donald.wood@ocsb.ca

Site Details

Legal Description
and PIN:

Part of Lot 4, Concession 11, Geographic Township of Cumberland, City of Ottawa

What is the land
currently used for?

Vacant

Lot frontage: m Lot depth: m Lot area: 0 m²

OR Lot area: (irregular lot) 26000 m²

Does the site have Full Municipal Services: ☐ Yes ☒ No

Required Fees

Please don't hesitate to visit the [Historic Land Use Inventory website](#) more information. Fees must be paid in full at the time of application submission.

Planning Fee

\$196.00

Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Development and Building Services Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- 3. A site plan or key plan of the property, its location and particular features.**
- 4. Any significant dates or time frames that you would like researched.**

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group Inc. ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: Kuldeep Panchal

Dated (dd/mm/yyyy): 09/08/2025

Per: Kuldeep Panchal
(Please print name)

Title: Jr. Environmental Scientist

Company: Paterson Group Inc.



DATABASE REPORT

Project Property:	<i>PE7193 - Phase I ESA Mer-Bleue Elementary School Ottawa ON 63770</i>
Project No:	
Report Type:	<i>Standard Report</i>
Order No:	<i>25080800773</i>
Requested by:	<i>Paterson Group Inc.</i>
Date Completed:	<i>August 13, 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: PE7193 - Phase I ESA
Mer-Bleue Elementary School Ottawa ON

Project No: 63770

Coordinates:

Latitude: 45.4379759
Longitude: -75.4878862
UTM Northing: 5,031,721.60
UTM Easting: 461,841.19
UTM Zone: 18T

Elevation: 288 FT
87.88 M

Order Information:

Order No: 25080800773
Date Requested: August 8, 2025
Requested by: Paterson Group Inc.
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	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	0	0
CA	Certificates of Approval	Y	0	0	0
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	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
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	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
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	2	2
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	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
		Total:	0	5	5

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	PTTW	2447591 Ontario Inc.	2564 Tenth Line Road City of Ottawa, Ontario CITY OF OTTAWA ON	SE/67.5	0.00	13
1	ECA	2447591 Ontario Inc.	2564 Tenth Line Rd Ottawa ON K2K 2M5	SE/67.5	0.00	13
1	PTTW	2447591 Ontario Inc.	2564 Tenth Line Rd Ottawa, ON Canada ON	SE/67.5	0.00	13
2	SPL		134 Arum Terrace Ottawa ON	NW/234.3	-0.32	14
2	PINC	TSSA INCIDENTS	134 ARUM TERRACE,,OTTAWA,ON,K4A 3V1,CA ON	NW/234.3	-0.32	15

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011 - Jun 30, 2025 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
2447591 Ontario Inc.	2564 Tenth Line Rd Ottawa ON K2K 2M5	SE	67.51	<u>1</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>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TSSA INCIDENTS	134 ARUM TERRACE,,OTTAWA,ON, K4A 3V1,CA ON	NW	234.30	<u>2</u>

PTTW - Permit to Take Water

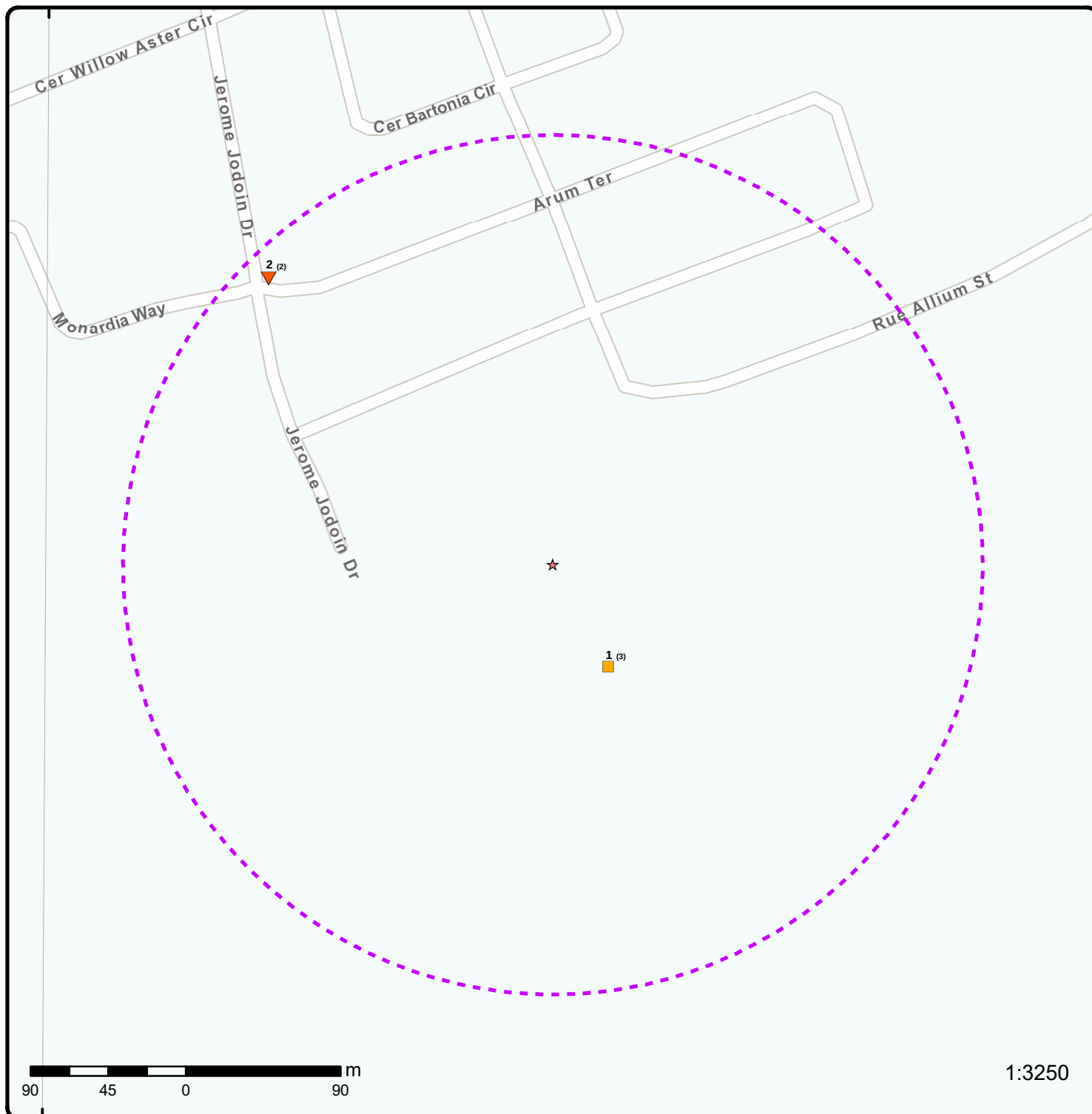
A search of the PTTW database, dated 1994 - Jun 30, 2025 has found that there are 2 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
2447591 Ontario Inc.	2564 Tenth Line Road City of Ottawa, Ontario CITY OF OTTAWA ON	SE	67.51	<u>1</u>
2447591 Ontario Inc.	2564 Tenth Line Rd Ottawa, ON Canada ON	SE	67.51	<u>1</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug 2024; Oct-May 2025 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	134 Arum Terrace Ottawa ON	NW	234.30	<u>2</u>



Map: 0.25 Kilometer Radius

Order Number: 25080800773

Address: Mer-Bleue Elementary School, Ottawa, 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	Park (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	



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial

Year: 2025

Order Number: 25080800773

Address: Mer-Bleue Elementary School, Ottawa, ON



Source: ESRI World Imagery

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 3	SE/67.5	87.9 / 0.00	2447591 Ontario Inc. 2564 Tenth Line Road City of Ottawa, Ontario CITY OF OTTAWA ON	PTTW
EBR Registry No: 013-3032 Ministry Ref No: 3237-AYULAE Notice Type: Instrument Decision Notice Stage: Notice Date: September 18, 2018 Proposal Date: June 04, 2018 Year: 2018 Instrument Type: Permit to Take Water - OWRA s. 34 Off Instrument Name: Posted By: Company Name: 2447591 Ontario Inc.(OWRA s. 34) - Permit to Take Water Site Address: Location Other: Proponent Name: 2447591 Ontario Inc. Proponent Address: 50 Hines Road Ottawa Ontario Canada K2K 2M5 Comment Period: URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM1MzYy&statusId=MjA3MzgZ&language=en Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map:					
Summary: Site Location Details: 2564 Tenth Line Road City of Ottawa, Ontario CITY OF OTTAWA					
1	2 of 3	SE/67.5	87.9 / 0.00	2447591 Ontario Inc. 2564 Tenth Line Rd Ottawa ON K2K 2M5	ECA
Approval No: 2302-B3NR68 Approval Date: 2018-08-17 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: 2447591 Ontario Inc. Address: 2564 Tenth Line Rd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9913-B24Q4X-14.pdf PDF Site Location: MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:					
1	3 of 3	SE/67.5	87.9 / 0.00	2447591 Ontario Inc. 2564 Tenth Line Rd Ottawa, ON Canada ON	PTTW

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
EBR Registry No: 013-3784 Ministry Ref No: 6102-B4QKBU Notice Type: Instrument Notice Stage: Decision Notice Date: Proposal Date: October 29, 2018 Year: 2018 Instrument Type: Permit to take water Off Instrument Name: Permit to Take Water (OWRA s. 34) Posted By: Ministry of the Environment, Conservation and Parks Company Name: Site Address: 2564 Tenth Line Rd Ottawa, ON Canada Location Other: Proponent Name: 2447591 Ontario Inc. Proponent Address: 50 Hines Road Ottawa, ON K2K 2M5 Canada Comment Period: October 29, 2018 - November 28, 2018 (30 days) Closed URL: https://ero.ontario.ca/notice/013-3784 Summary: Decision Posted: March 27, 2020 Exception Posted: Section: Section 34 Act 1: Ontario Water Resources Act, R.S.O. 1990 Act 2: Ontario Water Resources Act Site Location Map: 45.445224,-75.478886 Site Location Details:					
2	1 of 2	NW/234.3	87.6 / -0.32	134 Arum Terrace Ottawa ON	SPL
Ref No: 0360-B6PJQQ Year: Incident Dt: 2018/11/20 Dt MOE Arvl on Scn: MOE Reported Dt: 2018/11/20 Dt Document Closed: Site No: NA MOE Response: No Site County/District: Site Geo Ref Meth: Site District Office: Ottawa Nearest Watercourse: Site Name: Enbridge: 1-1/4" plastic IP gasmain<UNOFFICIAL> Site Address: 134 Arum Terrace Site Region: Eastern 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: Pipeline/Components Incident Cause: Incident Preceding Spill: Leak/Break Incident Reason: Operator/Human Error Incident Summary: TSSA/Enbridge: 1-1/4" plastic IP gasmain damaged Environment Impact: Health Env Consequence: Nature of Impact: Contaminant Qty: 0 other - see incident description Contaminant Qty 1: 0 Contaminant Unit: other - see incident description Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: 2 - Minor Environment Agency Involved:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: 1075 Receiving Medium: Air Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: Other SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Call Report Locatn Geodata: Time Reported: System Facility Address:					

<u>2</u>	2 of 2	NW/234.3	87.6 / -0.32	TSSA INCIDENTS 134 ARUM TERRACE,,OTTAWA,ON,K4A 3V1,CA ON	PINC
Incident Id: Incident No: 2444190 Incident Reported Dt: 11/20/2018 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: TSSA INCIDENTS Incident Address: 134 ARUM TERRACE,,OTTAWA,ON,K4A 3V1,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:					

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
ECA	Mattamy (Mer Bleue) Limited	Part of	Ottawa ON	K2K 2M5
ECA	Mattamy (Mer Bleue 2) Limited		Ottawa ON	K2K 2M5

Unplottable Report

Site: *Mattamy (Mer Bleue) Limited*
Part of Ottawa ON K2K 2M5

Database:
ECA

Approval No: 2254-A4KT9R
Approval Date: 2015-12-04
Status: Approved
Record Type: ECA
Link Source: IDS

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

SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Mer Bleue) Limited
Address: Part of

Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0207-A47SUN-14.pdf>
PDF Site Location:

Site: *Mattamy (Mer Bleue 2) Limited*
Ottawa ON K2K 2M5

Database:
ECA

Approval No: 1434-BECJNT
Approval Date: 2019-08-01
Status: Approved
Record Type: ECA
Link Source: IDS

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

SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Mer Bleue 2) Limited
Address:

Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8358-BDRS2P-14.pdf>
PDF Site Location:

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 -Apr 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-Apr 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 - Jun 30, 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 - Aug 2024**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 - Jun 30, 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 - Jun 30, 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 - Jun 30, 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-Aug 31, 2024**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-Jan 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-Dec 31, 2024

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-Apr 2024

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-May 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-Feb 28, 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 - Jun 30, 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 - Jun 30, 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 - Jun 30, 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-Jul 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 - Jun 30, 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

solution oriented engineering



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

solution oriented engineering

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.