PATERSON GROUP

Phase I – Environmental Site Assessment

222 Baseline Road

Ottawa, Ontario

Prepared for HP Urban Inc.

Report: PE5913-1
November 16, 2022

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by HP Urban Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 222 Baseline Road, Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was initially occupied by agricultural fields prior to being developed with the current residential dwelling circa 1950. No PCAs were identified as a result of the historical use of the Phase I Property.

Historically, properties within the Phase I Study Area have existed as agricultural fields and residential dwellings. The property further west of the Phase I Property, at the corner of Fisher Avenue and Baseline Road, was historically occupied by a drive-in movie theatre that was later redeveloped into a residential subdivision.

One historical 15L coolant spill was identified further west of the Phase I Property at the intersection of Baseline Road and Fisher Avenue. The historical spill is considered to represent a PCA however, based on its separation distance and the small volume of coolant spilled, it is not considered to result in an APEC on the Phase I Property.

The Phase I Property is currently occupied with a two-storey residential dwelling. No PCAs were identified with respect to the current use of the Phase I Property.

The surrounding lands in the Phase I Study Area consist of residential and agricultural land use. No PCAs were identified with respect to the current use of the neighbouring properties.

Based on the findings of this assessment, it is our opinion that **a Phase II – Environmental Site Assessment will not be required for the Phase I Property.**

Recommendations

Based on the age the subject building (1950), potentially asbestos containing materials (ACMs) maybe present in the building, including drywall joint compound that was observed during the site visit. Lead-based paints may also be present in the subject building.

It is our recommendation that a designated substance survey (DSS) be conducted on the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of HP Urban Inc., Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 222 Baseline Road, in the City of Ottawa, Ontario, (Phase I Property). The purpose of this Phase I ESA has been to research the past and current use of the Phase I Property, as well as the neighbouring properties within a 250 m study area (Phase I Study Area), to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Peter Hume of HP Urban Inc., who can be reached via his mailing address at 2261 Braeside Avenue, Ottawa, Ontario, K1H 7J6.

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

This Phase I ESA report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O. Reg.) 153/04, as amended under the Environmental Protection Act, and the requirements of CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field assessment. The historical research relies upon 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:	222 Baseline Road, Ottawa, Ontario.
Legal Description:	Lot N, Concession B, Township of Nepean, in the City of Ottawa, Ontario.
Location:	The Phase I Property is located on the south side of Baseline Road, immediately east of Lexington Street, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, appended to this report.
Latitude and Longitude:	45° 22' 21.43" N, 75° 42' 47.66" W

Site Description:

Configuration:	Rectangular
Area:	691 m^2 (approximately)
Zoning:	R1GG – Residential First Density Zone.
Current Use:	The Phase I Property is currently occupied by a two-storey residential dwelling with an attached garage and partially finished basement.
Services:	The Phase I Property is located within a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I ESA is described as follows:

- ❑ Determine the historical activities occurring on the Phase I Property and in the Phase I Study Area by conducting a review of readily available records, reports, photographs, plans, mapping information, databases, and regulatory agencies;
- ❑ Investigate the existing conditions present on the Phase I Property and in the Phase I Study Area by conducting site reconnaissance;
- ❑ Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, the neighbouring properties;
- ❑ Present the results of our findings in a comprehensive report in general accordance with the requirements O. Reg. 153/04, as amended under the Environmental Protection Act, and in compliance with the requirements of 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 250 m was deemed appropriate for defining the study area for this assignment, herein referred to as the Phase I Study Area. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant separation distances.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property was initially used for agricultural purposes prior to being first developed with the current residential dwelling in 1950.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the Phase I Property.

City of Ottawa Street Directories

City of Ottawa street directories are not available for the area of the Phase I Property.

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment. No NPRI records were documented within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Ontario Inventory of PCB Storage Sites, April 1995"* was reviewed as part of this assessment.

This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario. No active or closed PCB waste storage sites were identified within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. This database contains publicly available information on all Records of Site Condition (RSCs) filed in the Province of Ontario. No records of site condition were filed for the Phase I Property or within the Phase I Study Area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties. At the time of issuing this report, a response from the MECP had not been received.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property. At the time of issuing this report, a response from the MECP had not been received.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the Phase I Property. At the time of issuing this report, a response from the MECP had not been received.

MECP Instruments

A request was submitted to the MECP Freedom of Information 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 Phase I Property. At the time of issuing this report, a response from the MECP had not been received.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Waste Disposal Site Inventory in Ontario, 1991"* was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario.

A review of this document did not identify any former waste disposal sites situated on the Phase I Property or within the Phase I Study Area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Municipal Coal Gasification Plant Site Inventory, 1991"* was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the Phase I Property.

A review of this document did not identify any former coal gasification plants located on the Phase I Property or within the Phase I Study Area.

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

A review of the available mapping information did not identify any ANSI sites situated on the Phase I Property or within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on November 4, 2022, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as the neighbouring properties within the Phase I Study Area.

Based on the response from the TSSA, no records were documented for the Phase I Property or properties within the Phase I Study Area.

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

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI) database for any environmental records pertaining to the Phase I Property as well as any properties situated within the Phase I Study Area. A response from the City of Ottawa had not been received at the time of issuance of this report. Should the response contain any pertinent information, the client will be notified.

A copy of the HLUI request has been included 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. This document identifies the details and locations of all recorded active and closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any active or closed landfill sites situated on the Phase I Property or within the Phase I Study Area.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated November 10, 2022, was acquired, and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to properties situated within the Phase I Study Area.

The complete ERIS report has been included in Appendix 2.

❑ On-Site Records:

No records were documented for the Phase I Property.

❑ Off-Site Records:

The ERIS report identified eight (8) records associated with the properties situated within the Phase I Study Area.

The documented records are associated with borehole, spill, pipeline incident and water well information system records.

The spill records are associated with natural gas leaks and a sewage spill that occurred on residential properties within the Phase I Study Area.

One spill record was documented in the unplottable section of the report and pertained to a 15L coolant spill on the east side of the Baseline Road and Fisher Avenue intersection (approximately 220m W). The historical spill is considered to represent a PCA however, based on its significant separation distance as well as the small volume of coolant spilled, it is not considered to result in an area of potential environmental concern (APEC) on the Phase I Property.

The pipeline incident records are associated with natural gas leaks associated with residential properties in the Phase I Study Area.

No other PCAs were identified through a review of the ERIS report. A copy of the report is included in Appendix 2.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and reviewed in approximate ten-year intervals, beginning with the earliest available photograph. Based on a review of these photographs, the following observations have been made:

1945 — The Phase I Property and neighbouring properties consist of agricultural fields. Baseline Road can be seen in its current configuration immediately north of the Phase I Property.

1953 — The Phase I Property has been developed with the current residential dwelling fronting onto Baseline Road. Lexington Street can be seen in its current configuration immediately west of the Phase I Property and the neighbouring properties to the east, south and west of the Phase I Property have been developed for residential purposes. The property further west of the Phase I Property has been developed with what appears to be a drive-in movie theatre.

1965 — No apparent changes have been made to the Phase I Property since the time of the previous photograph.

	Increased residential development has occurred further east and west of the Phase I Property.
1976	No apparent changes have been made to the Phase I Property since the time of the previous photograph. Increased residential development has occurred further south of the Phase I Property.
1991	No apparent changes have been made to the Phase I Property since the time of the previous photograph. The property to the west, across Lexington Street, has been redeveloped with a residential subdivision.
2002	No apparent changes have been made to the Phase I Property or the surrounding lands since the time of the previous photograph.
2011	No apparent changes have been made to the Phase I Property or the surrounding lands since the time of the previous photograph.
2021	No apparent changes have been made to the Phase I Property or the surrounding lands since the time of the previous photograph.

No PCAs were identified through a review of the historical aerial photographs. Copies of selected aerial photographs are included in Appendix 1.

Water Bodies

No water bodies are present on the Phase I Property. The nearest named water body with respect to the Phase I Property is the Rideau River, located approximately 750m to the east.

Geological Maps

Geological mapping information for the Phase I Property was obtained from The Geological Survey of Canada – Urban Geology of the National Capital Area and reviewed as part of this assessment.

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of limestone interbedded with dolomite of the Gull River Formation, while the surficial geology consists of offshore marine sediments with an overburden ranging in thickness from approximately 15m to 25m.

Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment.

The topographic map indicates that the general elevation of the Phase I Property is approximately 81m above sea level, and that the regional topography within the greater area slopes downwards to the north/northwest.

An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A physiographic map was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment.

According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: *"…the lowlands are plain-like areas that were 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 specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250 m radius of the Phase I Property was conducted as part of this assessment. No well records were identified on the Phase I Property.

One well record was identified within the Phase I Study Area. The record pertains to a potable well installed on the former Auto Sky Theatre previously located further west of the Phase I Property. According to the well record, the well was installed in 1948 and the overburden stratigraphy in the vicinity of the Phase I Property generally consists of silty clay and gravel extending to a maximum depth of 21m.

The depth to bedrock was recorded as being 33m below the existing ground surface and the water table was intercepted at a depth of 9.1m.

Based on the availability of municipal services, no potable wells are expected to be in use within the Phase I Study Area.

Copies of the aforementioned well records have been included in Appendix 2.

5.0 INTERVIEWS

Mr. Peter Hume of HP Urban Inc. was interviewed at the time of the site visit about the history of the Phase I Property.

According to Mr. Hume, the Phase I Property has solely been used for residential purposes since it has been developed. Mr. Hume informed Paterson that to his knowledge, there has never been any fuel or oil stored on the Phase I Property. Paterson was also informed that the property was heated by a natural gas fired furnace located in the basement of the residential dwelling. Mr. Hume was unaware of any environmental concerns on the Phase I Property or in the immediate vicinity.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was conducted for the Phase I Property on November 8, 2022. Weather conditions were sunny, with a temperature of approximately 12°C. The inspection was conducted by personnel from the Environmental Department of Paterson Group.

In addition to the Phase I Property, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site inspection.

6.2 Specific Observations at the Phase I Property

Site Description

The Phase I Property is currently occupied by a vacant two-storey residential dwelling with an attached garage and partially finished basement.

The area immediately south of the subject building consists of landscaped areas with a pop-up shed located in the south-eastern portion of the property.

The site and regional topography were relatively flat and at grade with Baseline Road.

Water drainage on the Phase I Property occurs primarily via surface runoff towards catch basins located along Baseline Road and Lexington Street, as well as infiltration within the landscaped portions of the property. No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the Phase I Property at time of the site inspection.

A depiction of the Phase I Property is illustrated on Drawing PE5913-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

The Phase I Property is currently occupied by a vacant two-storey residential dwelling with an attached garage and partially finished basement. The residential dwelling was constructed in 1950 with a concrete foundation. The residential dwelling is finished on the exterior with wood siding and brick and has a sloped shingled roof. The residential dwelling is currently heated via natural gas-fired furnace.

Potential Environmental Concerns

❑ **Fuels and Chemical Storage**

At the time of the site inspection, no chemical storage areas, vent and fill pipes, above ground fuel storage tanks (ASTs), or evidence indicating the presence of any underground fuel storage tanks (USTs) were observed on the Phase I Property.

❑ **Hazardous Materials and Unidentified Substances**

At the time of the site inspection, no hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential sub-surface contamination were observed on the Phase I Property.

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

No concerns with respect to PCBs and/or transformer oil were identified on the Phase I Property at the time of the site visit.

❑ **Waste Management**

At the time of the site inspection, solid, non-hazardous domestic waste and recyclable products were observed to be stored in plastic bins on the south side of the residential dwelling. No environmental concerns were noted with respect to waste management practices on the Phase I Property.

Interior Assessment

A general description of the interior of the residential dwelling is as follows:

- ❑ The floors consist of ceramic tile, hardwood, and particle board in the basement;
- ❑ The walls consist of drywall;
- ❑ The ceilings consist of drywall;
- ❑ Lighting throughout the building is provided by incandescent light fixtures.

Potentially Hazardous Building Products

❑ **Asbestos-Containing Materials (ACMs)**

Based on the age of the subject building (1950), asbestos containing building materials may be potentially present within the structure. One potential ACM was observed inside the subject building in the form of drywall joint compound.

The drywall joint compound was observed to be in good condition at the time of the site inspection and does not represent an immediate concern to the building's occupants.

❑ **Lead-Based Paints**

Based on the age of the subject building, lead-based paints may be present inside the structure, on any original or older painted surfaces. Painted surfaces were generally observed to be in good condition at the time of the site inspection and do not represent an immediate concern to the occupants.

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

At the time of the site inspection, no potential sources of PCBs were identified inside the subject building.

❑ **Urea Formaldehyde Foam Insulation (UFFI)**

At the time of the site inspection, UFFI was not observed inside the subject building, however, wall cavities were not exposed to allow for the inspection of insulation type.

Other Potential Environmental Concerns

❑ **Interior Fuel and Chemical Storage**

At the time of the site inspection, no aboveground fuel storage tanks or signs of underground fuel storage tanks were observed within the subject building.

Chemical products identified in the subject buildings were observed to be limited to domestically available cleaning products), stored properly in their original containers.

❑ **Ozone Depleting Substances (ODSs)**

Potential sources of ODSs observed on-site include fire extinguishers and a refrigerator. These appliances appeared to be in good condition at the time of the site inspection and should be regularly serviced by a licensed contractor.

❑ **Wastewater Discharges**

A floor drain was observed in the basement of the residential dwelling. The drain was observed to be dry, and no unusual odours were noted at the time of the site visit.

Wastewater from the subject building (wash water and sewage) is discharged into the City of Ottawa sanitary sewer system, whereas roof drainage is discharged via surface run-off towards catch basins located along Baseline Road and Lexington Street, which drain into the City of Ottawa storm water sewer system.

Neighbouring Properties

At the time of the site inspection, a survey of the neighbouring properties was conducted from publicly accessible roadways.

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

North: Baseline Road followed by agricultural fields.

South: Residential dwellings followed by Wilshire Avenue

East: Residential dwellings.

West: Lexington Street followed by residential dwellings.

No PCAs were identified with respect to the current use of the neighbouring properties.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE5913-2 – Surrounding Land Use Plan, in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on a review of available historical information, the Phase I Property was initially occupied by agricultural fields prior to being developed with the current residential dwelling in 1950 and has been used as such since.

Potentially Contaminating Activities (PCAs)

Based on the findings of the Phase I ESA, there is one historical PCA in the form of a 15L coolant spill within the Phase I Study Area. Based on its significant separation distance as well as the small volume of coolant spilled, it is not considered to result in an area of potential environmental concern (APEC) on the Phase I Property.

Areas of Potential Environmental Concern (APECs)

Based on the findings of the Phase I ESA, no APECs were identified on the Phase I Property

Contaminants of Potential Concern (CPCs)

Based on the findings of the Phase I ESA, no contaminants of potential concern were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Geological mapping information for the Phase I Property was obtained from The Geological Survey of Canada – Urban Geology of the National Capital Area and reviewed as part of this assessment.

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of limestone interbedded with dolomite of the Gull River Formation, while the surficial geology consists of offshore marine sediments with an overburden ranging in thickness from approximately 15m to 25m.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies are present on the Phase I Property. The nearest named water body with respect to the Phase I Property is the Rideau River, located approximately 750m to the east.

Drinking Water Wells

Based on the availability of municipal services, no drinking water wells are expected to be present within the Phase I Study Area.

Existing Buildings and Structures

The Phase I Property is currently occupied by a vacant two-storey residential dwelling with an attached garage and partially finished basement. The residential dwelling was constructed in 1950 with a concrete foundation. One pop-up shed was located in the south-eastern corner of the Phase I Property.

Current and Future Property Use

The Phase I Property is currently being used for residential purposes. It is our understanding that the property is to remain under residential usage as part of a residential redevelopment.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist largely of residential properties with agricultural fields further north of the Phase I Property, across Baseline Road.

Current land use is depicted on Drawing PE5913-2 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Based on the findings of the Phase I ESA, there is one historical PCA in the form of a 15L coolant spill within the Phase I Study Area. Based on its significant separation distance as well as the small volume of coolant spilled, it is not considered to result in an APEC on the Phase I Property.

Contaminants of Potential Concern

Based on the findings of the Phase I ESA, no contaminants of potential concern 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 there are no APECs associated with the Phase I Property.

The lack of APECs was confirmed by a variety of independent sources, 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 HP Urban Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 222 Baseline Road, Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was initially occupied by agricultural fields prior to being developed with the current residential dwelling circa 1950. No PCAs were identified as a result of the historical use of the Phase I Property.

Historically, properties within the Phase I Study Area have existed as agricultural fields and residential dwellings. The property further west of the Phase I Property, at the corner of Fisher Avenue and Baseline Road, was historically occupied by a drive-in movie theatre that was later redeveloped into a residential subdivision.

One historical 15L coolant spill was identified further west of the Phase I Property at the intersection of Baseline Road and Fisher Avenue. The historical spill is considered to represent a PCA however, based on its separation distance and the small volume of coolant spilled, it is not considered to result in an APEC on the Phase I Property.

The Phase I Property is currently occupied with a two-storey residential dwelling. No PCAs were identified with respect to the current use of the Phase I Property.

The surrounding lands in the Phase I Study Area consist of residential and agricultural land use. No PCAs were identified with respect to the current use of the neighbouring properties.

Based on the findings of this assessment, it is our opinion that **a Phase II – Environmental Site Assessment will not be required for the Phase I Property.**

8.2 Recommendations

Based on the age the subject building (1950), potentially asbestos containing materials (ACMs) maybe present in the building, including drywall joint compound that was observed during the site visit. Lead-based paints may also be present in the subject building.

It is our recommendation that a designated substance survey (DSS) be conducted on the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

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 as well as 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 HP Urban Inc. Permission and notification from HP Urban Inc. and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.

Samuel Berube, EIT

Mark S. D'Arcy, P.Eng., QP$_{ESA}$

Report Distribution:

- ❑ HP Urban Inc.
- ❑ Paterson Group Inc.

10.0 REFERENCES

Federal Records

- ❒ Natural Resources Canada: Air Photo Library.
- ❒ Natural Resources Canada: The Atlas of Canada.
- ❒ Geological Survey of Canada: Surficial and Subsurface Mapping.
- ❒ Environment Canada: National Pollutant Release Inventory.
- ❒ National Archives of Canada.

Provincial Records

- ❒ MECP: Freedom of Information and Privacy Office.
- ❒ MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- ❒ MECP: Waste Disposal Site Inventory, 1991.
- ❒ MECP: Brownfields Environmental Site Registry.
- ❒ MECP: Water Well Inventory.
- ❒ MECP: Ontario PCB Waste Storage Site Inventory, 1995.
- ❒ Office of Technical Standards and Safety Authority, Fuels Safety Branch.
- ❒ Ministry of Natural Resources and Forestry Areas of Natural Significance.
- ❒ Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

- ❒ City of Ottawa: GeoOttawa
- ❒ City of Ottawa: Historical Land Use Inventory Database
- ❒ City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

- ❒ Personal Interviews.
- ❒ Previous Engineering Reports

Public Information Sources

- ❒ ERIS Database Report.
- ❒ Google Earth.
- ❒ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5913-1 – SITE PLAN

DRAWING PE5913-2 – SURROUNDING LAND USE PLAN

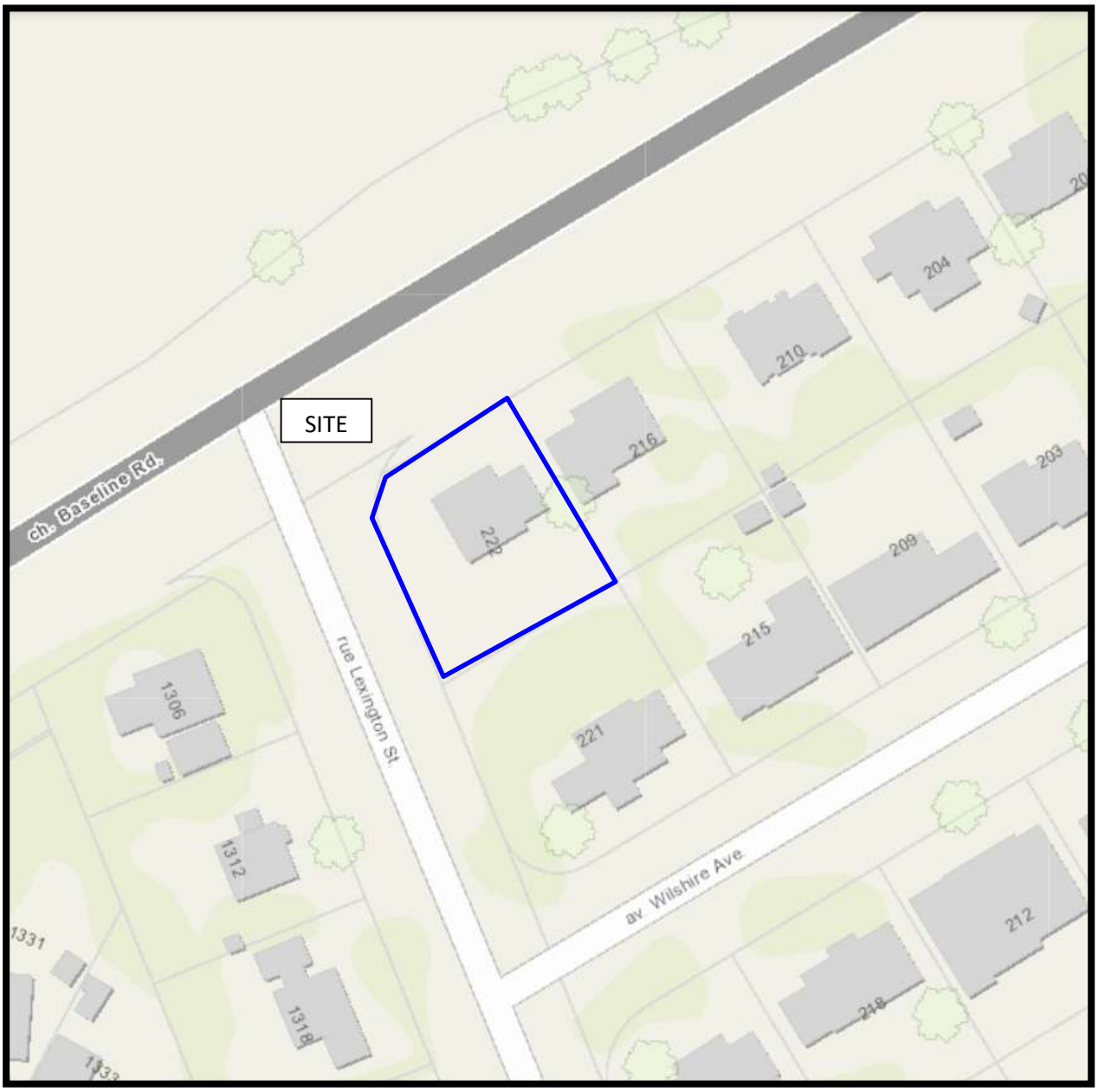
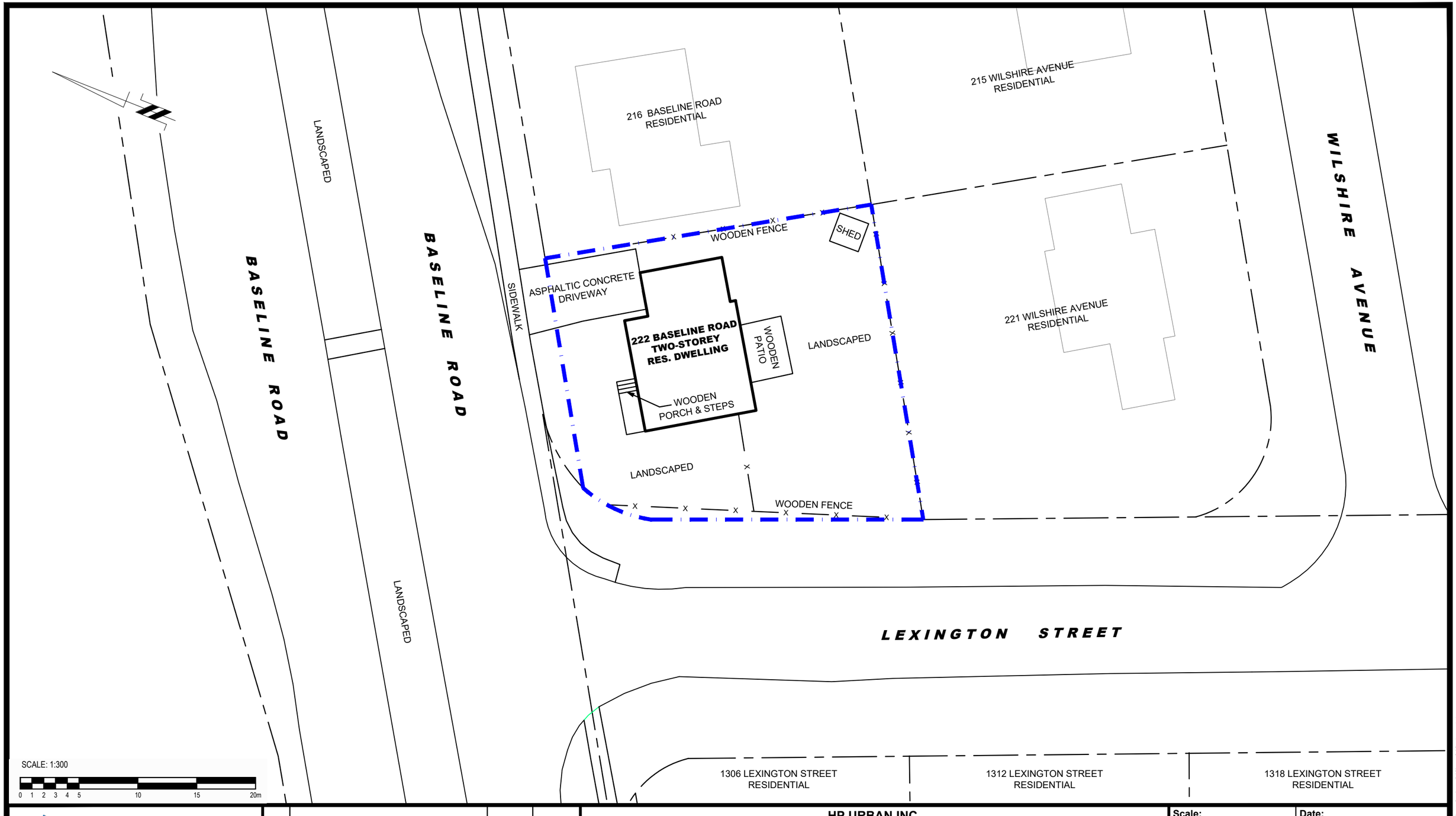


FIGURE 1

KEY PLAN

FIGURE 2

TOPOGRAPHIC MAP



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

NO.	REVISIONS	DATE	INITIAL

HP URBAN INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
222 BASELINE ROAD
OTTAWA, ONTARIO

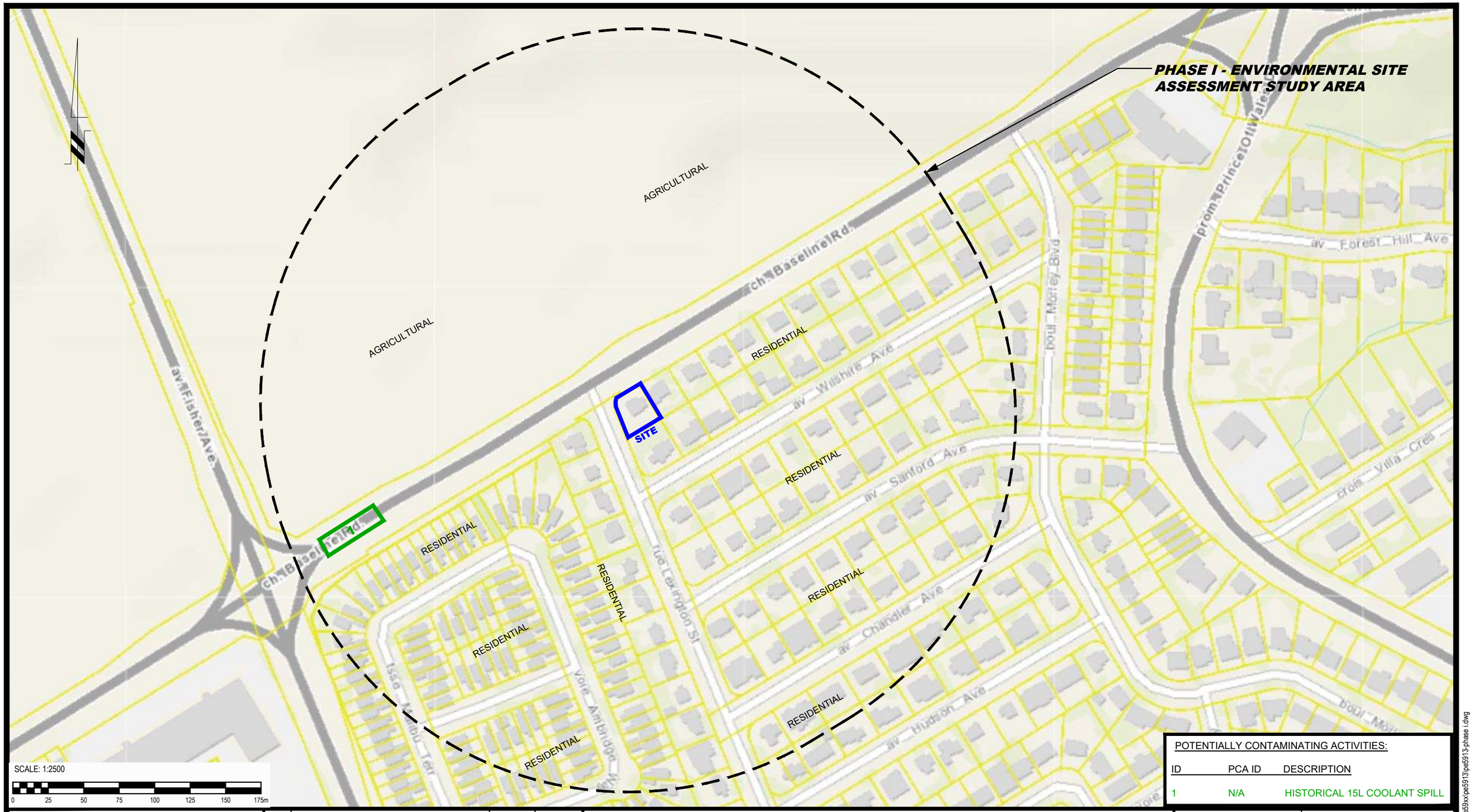
Title:

SITE PLAN

Scale: 1:300	Date: 11/2022
Drawn by: JM	Report No.: PE5913-REP.01
Checked by: SB	Dwg. No.: PE5913-1
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe59xx\pe5913\pe5913-phase i.dwg

11x17



POTENTIALLY CONTAMINATING ACTIVITIES:

ID	PCA ID	DESCRIPTION
1	N/A	HISTORICAL 15L COOLANT SPILL

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

NO.	REVISIONS	DATE	INITIAL

HP URBAN INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
222 BASELINE ROAD
OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:2500	Date: 11/2022
Drawn by: JM	Report No.: PE5913-REP.01
Checked by: SB	Dwg. No.: PE5913-2
Approved by: MSD	Revision No.:

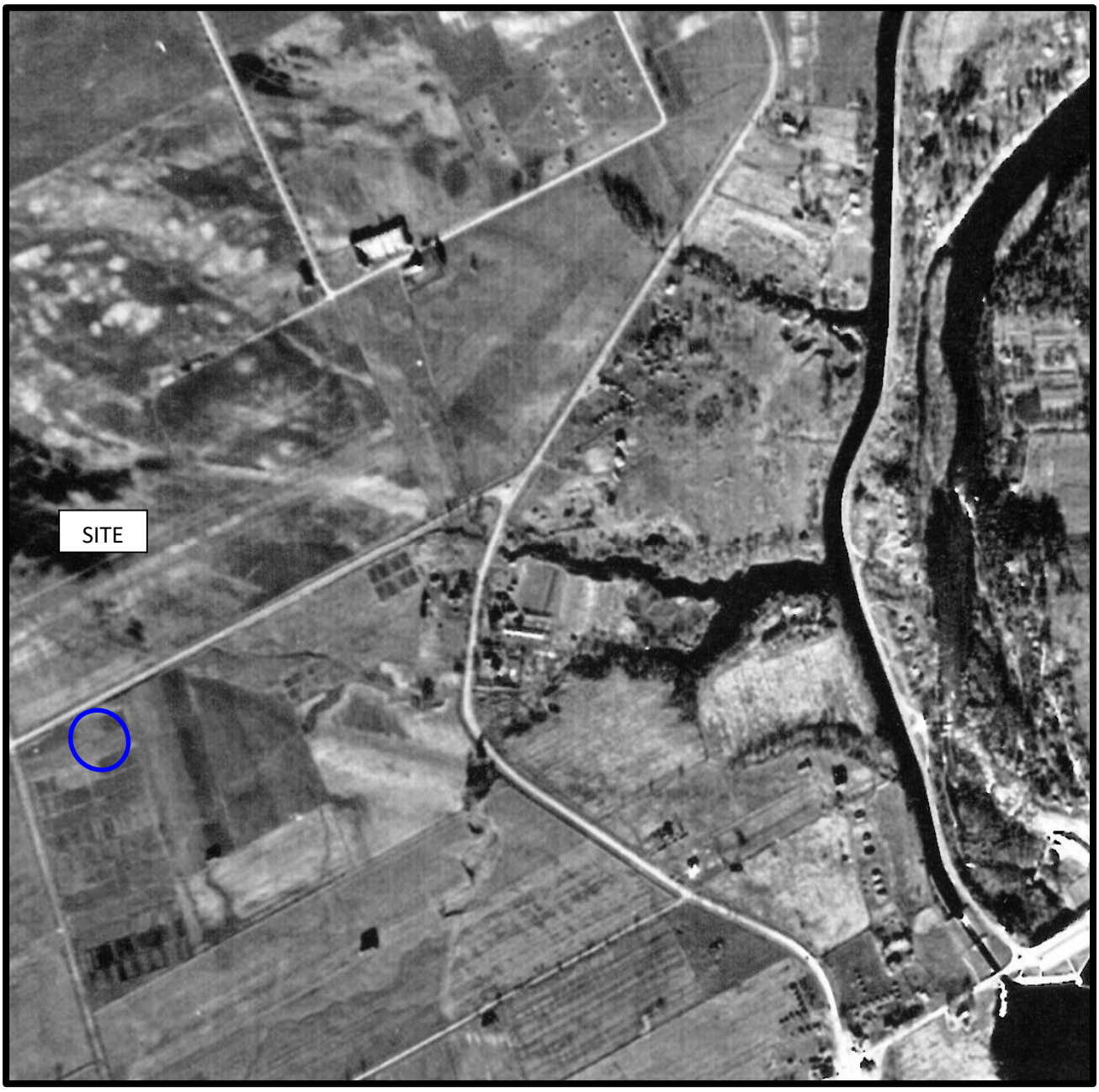
11x17

p:\autocad drawings\environmental\pe59xx\pe5913\pe5913-phase i.dwg

APPENDIX 1

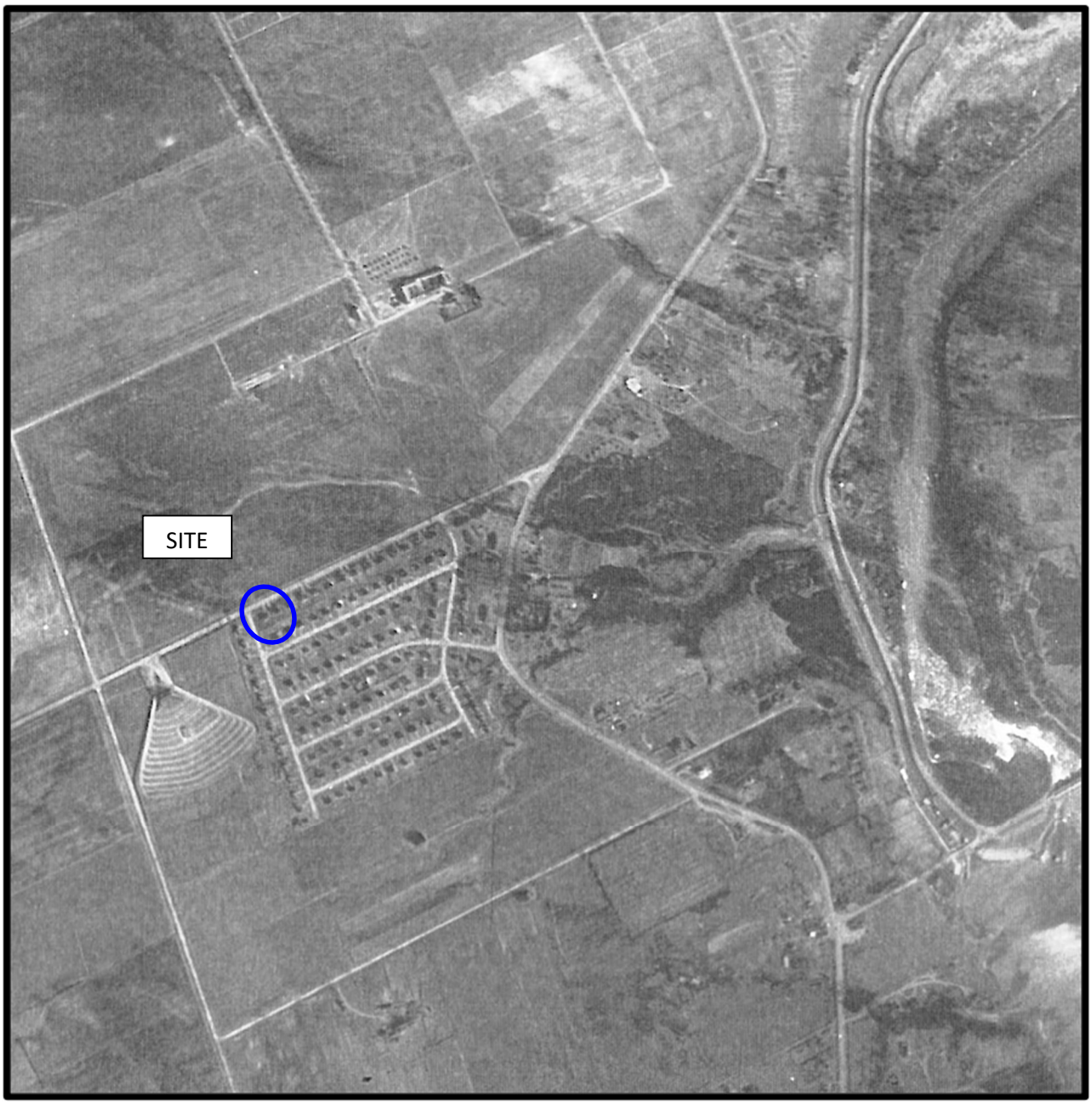
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1945

PATERSON GROUP

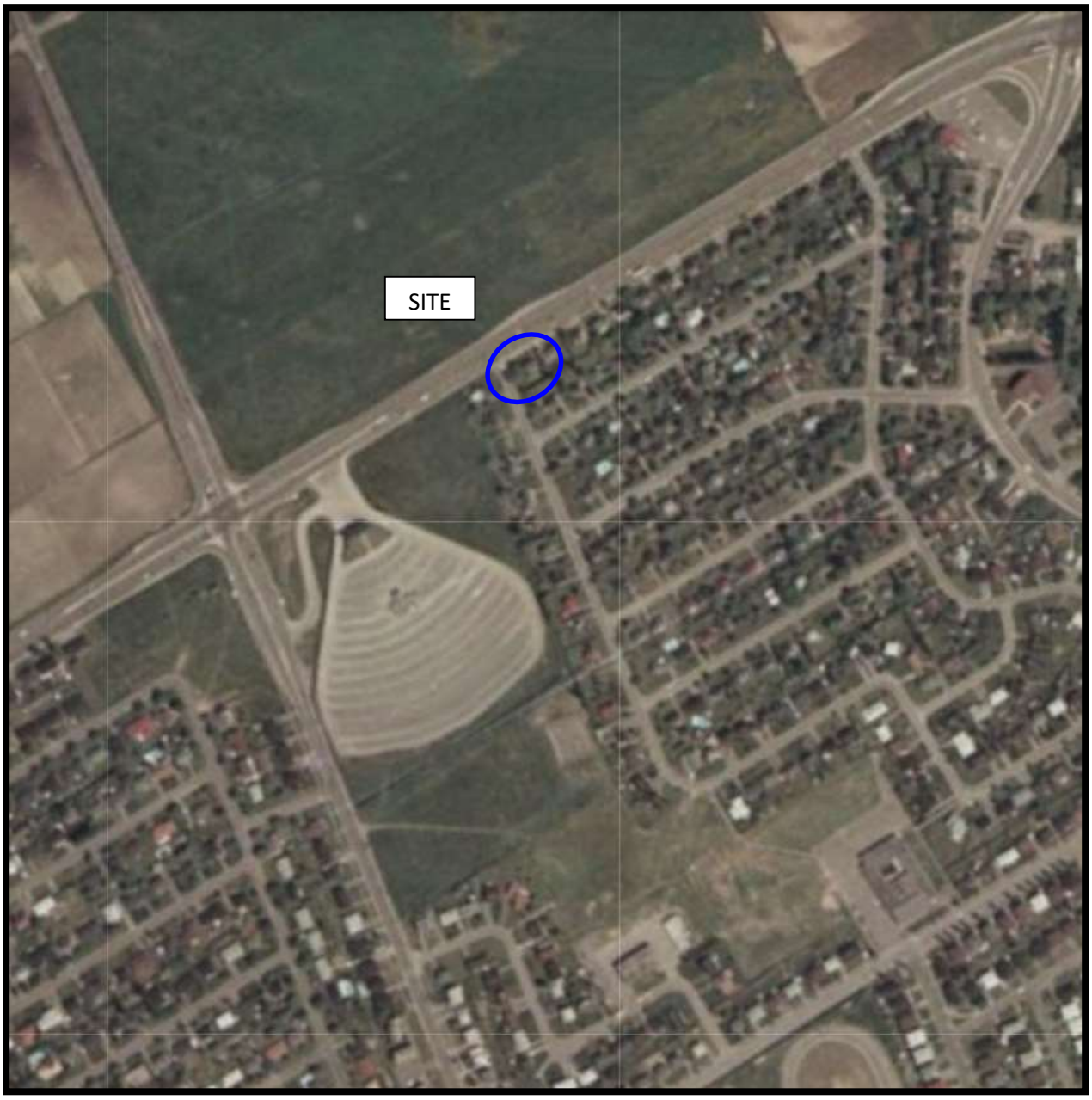


AERIAL PHOTOGRAPH
1953

PATERSON GROUP

AERIAL PHOTOGRAPH
1965

PATERSON GROUP



AERIAL PHOTOGRAPH
1976

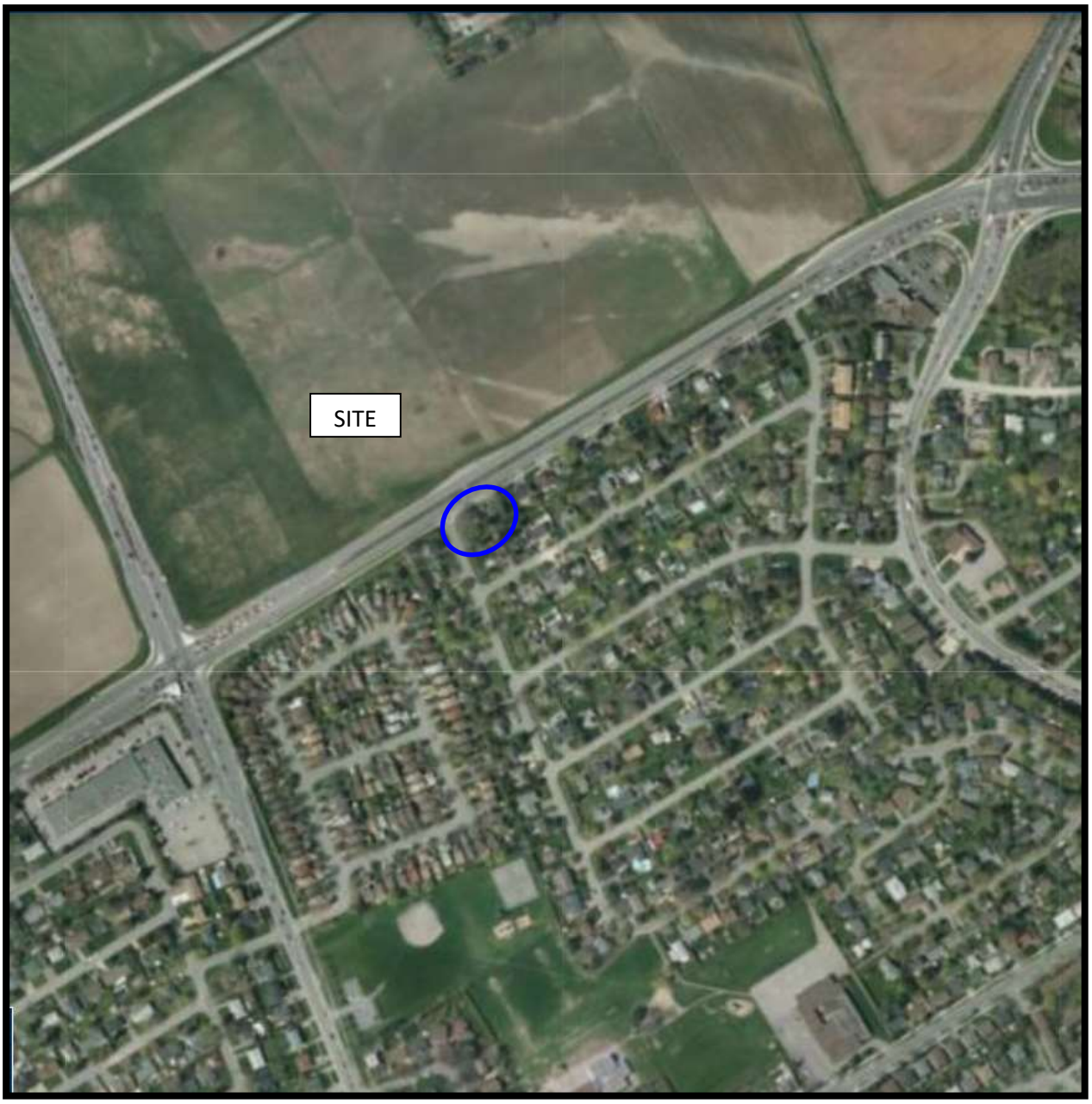
PATERSON GROUP

AERIAL PHOTOGRAPH
1991

PATERSON GROUP

AERIAL PHOTOGRAPH
2002

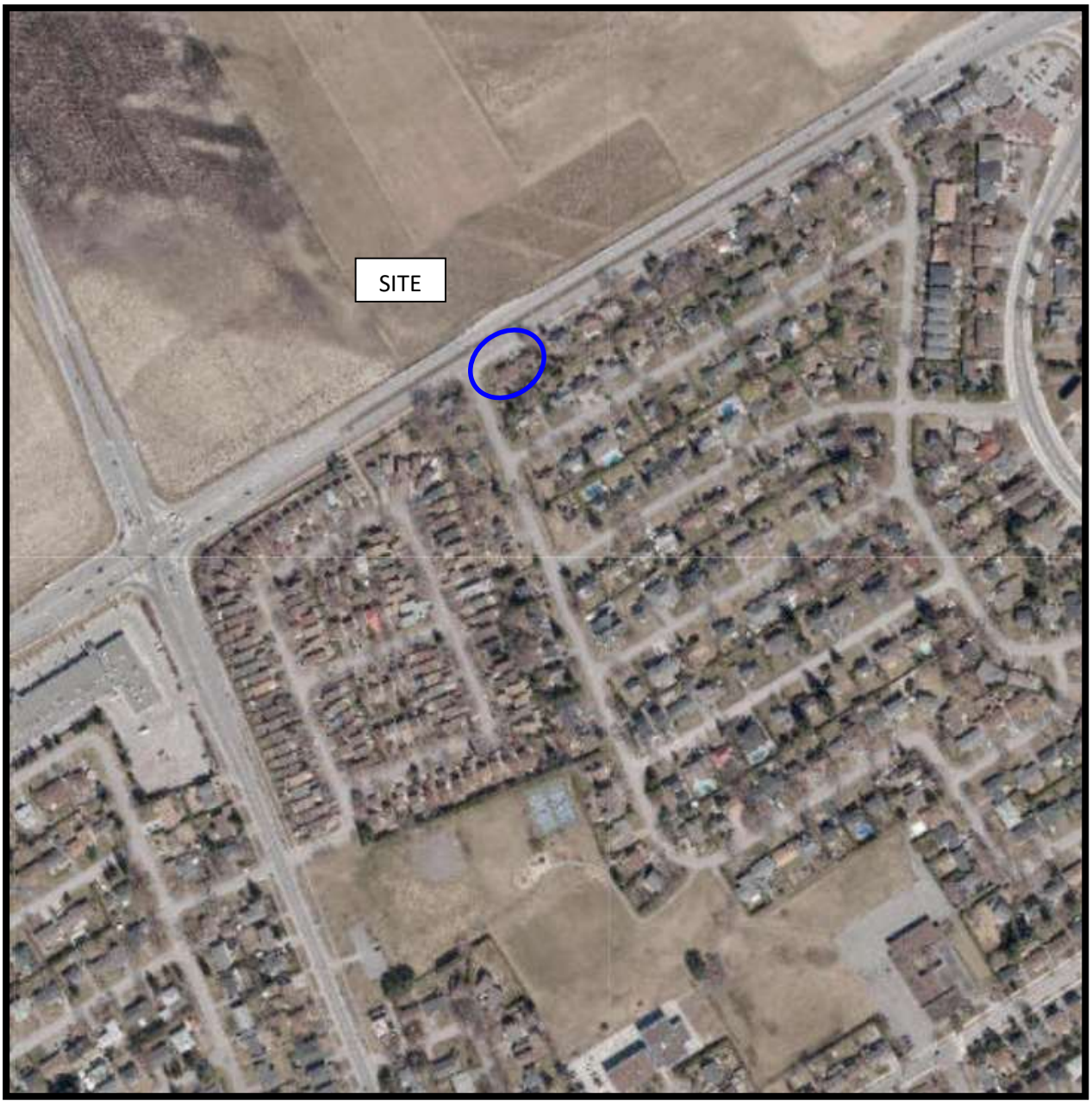
PATERSON GROUP



AERIAL PHOTOGRAPH
2011

PATERSON GROUP

SITE



AERIAL PHOTOGRAPH
2021

PATERSON GROUP

Site Photographs

PE5913 222 Baseline Road, Ottawa ON November 16, 2022

Photograph 1: View of Residential Dwelling Looking South

Photograph 2: View of Residential Dwelling Looking North

APPENDIX 2

MECP FREEDOM OF INFORMATION REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI SEARCH REQUEST

ERIS DATBASE REPORT

Ontario

Ministry of the Environment, Conservation and Parks

Freedom of Information Request for Property Information

Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

☑ Submitting a new FOI Request for Property Information

☐ Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) * 1900/01/01

To (yyyy/mm/dd) * 2022/11/04

Type of Record(s) *

☑ All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations

☑ Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:
https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch
- RSC records filed after July 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en

☐ Other Specific Document(s)

Type of Approval/Registration *

☑ Drinking Water Licenses

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Permits to Take Water

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

Water Source *

☑ Groundwater ☑ Surface Water

☑ Noise Vibrations Approvals/Registrations

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Air Emissions Approvals/Registrations

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Water - Industrial discharge

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

☑ No Supporting Documents ☐ All Supporting Documents ☐ Some Supporting Documents

Company Name

☑ Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

Section 2 – Requester Information

Last Name * Berube

First Name * Samuel

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") * Paterson Group Inc.

Project/Reference Number (if applicable) PE5913

Are you submitting this request on behalf of a client? *

☐ Yes ☑ No

Mailing Address

Unit Number

Street Number * 9

Street Name * Auriga Drive

PO Box

City/Town * Ottawa

Province * ON

Postal Code * K2E 7T9

Telephone Number * 613-226-7381

ext.

Email Address * sberube@patersongroup.ca

Is there an alternate contact (e.g. office admin)? *

☐ Yes ☑ No

Section 3 – Current Property Address Information

Is the property a:

☐ Park ☐ Lake ☐ First Nation Band ☐ Wind Farm ☐ Federal Land ☐ Island ☐ Unsurveyed Land

Are you requesting information about multiple addresses? *

☐ Yes ☑ No

Property Address

Unit Number

Street Number 222

Street Name Baseline Road

Full Lot Number

Concession

Geographic Township

City/Town/Village * Ottawa

Closest Intersection Baseline Road and Lexington Street

Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

☐ Yes ☑ No

Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

Current Property Owner/Tenant

222 Baseline Road
Ottawa

Owner Name

Peter Hume

Date of Ownership (yyyy/mm/dd)

Tenant Name

Section 6 – Supporting Documents

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Total File Size

Payment confirmation number: 24679926

UTM 18 ② 4 4 4 0 5 5 0 E
19 R ③ 5 0 2 4 2 6 0 N
Elev. 19 R ⑤ 0 2 7 0
Basin 25 ①

RF A + 30

(from E. Owen ...)

Auto Sky Theatre

9? ~~Unacceptable~~

31656

15 № ~~4645~~

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED MAR 23 19.. GEOLOGICAL BRANCH DEPARTMENT OF MINES

Water Well Record

OTTAWA

County or District Carleton Tp. ~~Nepean~~ Con. ~~Lot~~ ? 30 Ft. Lot ARF

[redacted] ase line rd ... Acres

[redacted] cluding pump) 287

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	4"	Date	
Length(s) of casing(s)	20 feet	Developed Capacity	
Length of screen		Duration of Test	1 hr
Type of screen		Pumping Rate	300 gals
Type of pump		Drawdown	4 feet
Capacity of pump		Static level of completed well	30 feet
Depth of pump setting		Is well a gravel-wall type?	

Water Record

Kind (fresh or mineral) Fresh

Quality (hard, soft, contains iron, sulphur etc.) hard

Appearance (clear, cloudy, coloured) Clear

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

How far is well from possible source of contamination? 20 feet

What is source of contamination? septic tank?

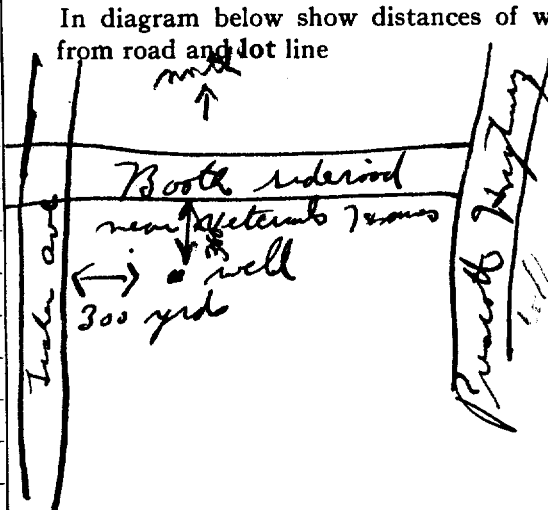
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
~~30 feet~~	fresh	~~70 feet~~
105 feet		77 feet

Well Log — Drift and Bedrock Record	From 0 ft.	To ft.
40 feet of clay	0	40
30 feet of gravel and hardpan	40	70
From 70 to 107 hard limestone		107

Location of Well

In diagram below show distances of well from road and lot line



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

Drilling Firm Mulligan Bros

Address Westboro RR #1

Recorded by Gordon S. Mulligan

Address Westboro RR #1

Date April 10/48

Licence Number

Samuel Berube

From: Public Information Services <publicinformationservices@tssa.org>
Sent: November 9, 2022 2:36 PM
To: Samuel Berube
Subject: RE: PE5913 - TSSA Request

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello Samuel,

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).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.
Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click Release of Public Information - TSSA - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release 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 # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
   a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.
Questions? Please contact TSSA's Public Information Release team at publicinformationservices@tssa.org.
Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind Regards,

Nicola Carty | Public Information Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3221 | E-Mail: ncarty@tssa.org
www.tssa.org

Winner of 2022 5-Star Safety Cultures Award

From: Samuel Berube <SBerube@patersongroup.ca>
Sent: November 8, 2022 1:16 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE5913 - TSSA Request

Good afternoon,

Can you please complete a search of your records for the following properties in Ottawa, Ontario?

208, 210, 222, 216 – **Baseline Road**
1306, 1312 – **Lexington Street**
215, 221– **Wilshire Avenue**

Thank you,

SAMUEL BERUBE, EIT
Junior Environmental Engineer
TEL: (613) 226-7381 ext. 335
DIRECT: (613) 696-9651
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

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 Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:** *222 Baseline Road, Ottawa, Ontario K2C 0A2*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Paterson Group*		
Mailing Address:	*9 Auriga Drive, Ottawa, ON, K2E 7T9*		
Telephone:	*613-226-7381*	Email Address:	*sberube@patersongroup.ca*

Registered Property Owner Information: ☐ Same as above

Name:	*Peter Hume*		
Mailing Address:	*2261 Braeside Avenue, Ottawa, Ontario, K1H 7J6P 1B9*		
Telephone:		Email Address:	*peter.hume@hpurban.ca*

Site Details

Legal Description and PIN: *Part of Lot N, Concession B, Nepean Township, in the City of Ottawa, Ontario*

What is the land currently used for? *Residential*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 691 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 $105.00

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, Infrastructure and Economic Development 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 ("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: 

Dated (dd/mm/yyyy): 04/11/2022

Per: Samuel Berube

(Please print name)

Title: Environmental Engineer

Company: Paterson Group

November 4, 2022
File: PE5913 -HLUI

Consulting Engineers
9 Auriga Drive
Ottawa, Ontario
K2E 7T9
Tel: (613) 226-7381

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Retaining Wall Design
Noise and Vibration Studies

patersongroup.ca

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Subject: **Authorization Letter, HLUI Search**
Phase I-Environmental Site Assessment
222 Baseline Road
Ottawa, ON

Dear Sir/Madame

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner:	1332710 Ontario Inc.
Name of Representative:	Peter Hume
Signature:	*Peter Hume*
Date:	November 4, 2022

DATABASE REPORT

Project Property:	*PE5319 - Phase I - ESA* *222 baseline road* *Ottawa ON K2C 0A2*
Project No:	
Report Type:	*Standard Report*
Order No:	*22110400095*
Requested by:	*Paterson Group Inc.*
Date Completed:	*November 10, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property: *PE5319 - Phase I - ESA*
222 baseline road Ottawa ON K2C 0A2

Project No:

Coordinates:

Latitude:	*45.3726433*
Longitude:	*-75.7132241*
UTM Northing:	*5,024,595.09*
UTM Easting:	*444,152.61*
UTM Zone:	*18T*

Elevation: *259 FT*
78.88 M

Order Information:

Order No: *22110400095*
Date Requested: *November 4, 2022*
Requested by: *Paterson Group Inc.*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
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	0	0
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
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
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	3	3
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	1	1
	Total:	0	8	8	

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	BORE		ON	SW/133.9	1.00	13
2	WWIS		lot 30 con A ON ***Well ID:*** 1504645	SW/134.0	1.00	14
3	SPL	Enbridge Gas Distribution Inc.	199 Stanford Ave Ottawa ON	ESE/136.7	-0.08	17
3	PINC	PIPELINE HIT - 1/2"	199 SANFORD AVE,,OTTAWA,ON,K2C 0G1,CA ON	ESE/136.7	-0.08	18
4	BORE		ON	WSW/151.5	1.00	18
5	SPL		175 Sanford Ave Ottawa ON	E/202.8	-2.00	19
6	SPL	Enbridge Gas Distribution Inc.	179 Chandler Avenue Ottawa ON	ESE/245.7	0.00	20
6	PINC	PIPELINE HIT 0.5"	179 CHANDLER AVE,,OTTAWA,ON,K2C 0G3,CA ON	ESE/245.7	0.00	20

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	SW	133.91	1
	ON	WSW	151.46	4

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT 0.5"	179 CHANDLER AVE,,OTTAWA,ON, K2C 0G3,CA ON	ESE	245.72	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT - 1/2"	199 SANFORD AVE,,OTTAWA,ON, K2C 0G1,CA ON	ESE	136.73	3

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

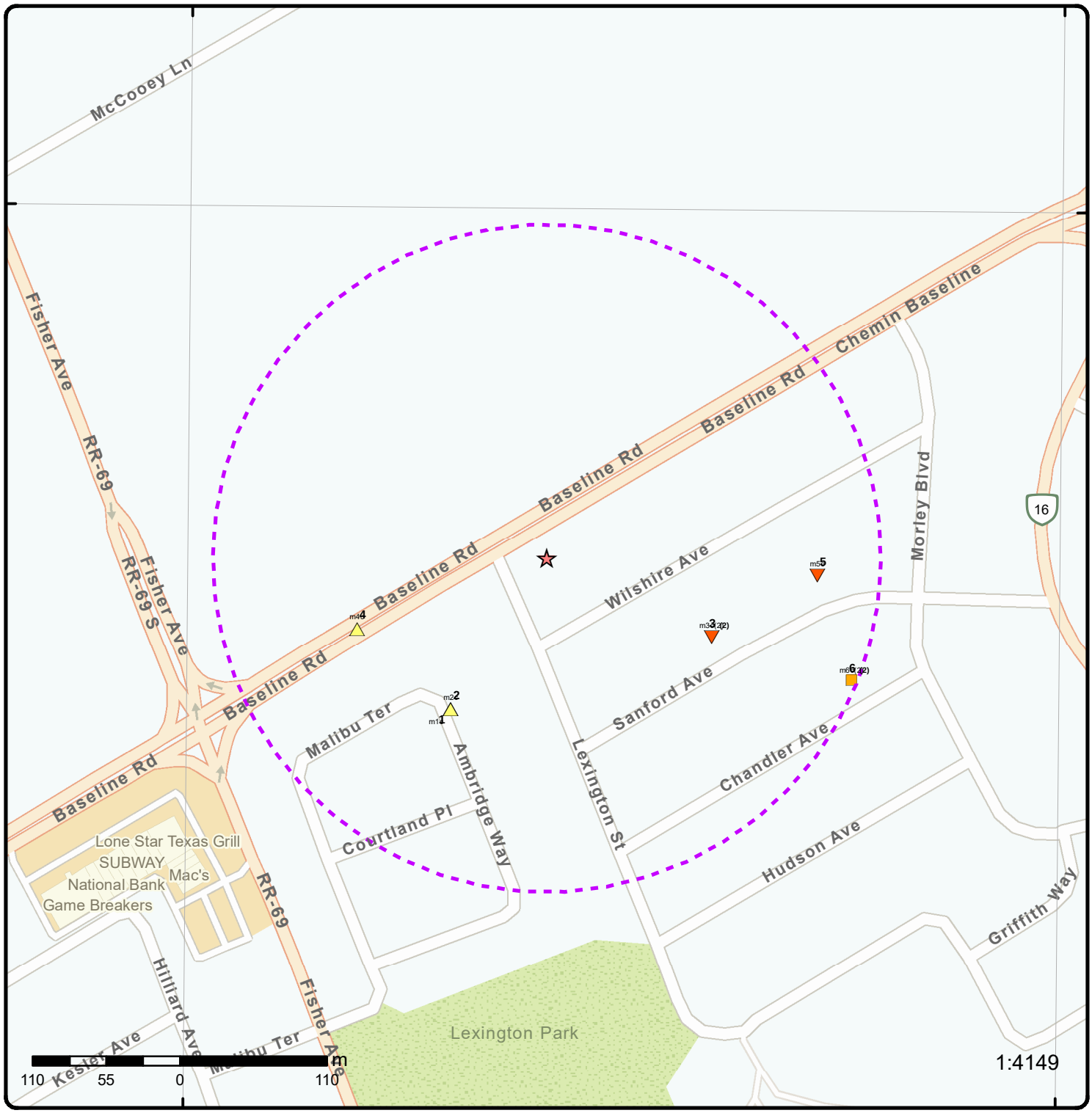
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	179 Chandler Avenue Ottawa ON	ESE	245.72	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	199 Stanford Ave Ottawa ON	ESE	136.73	3
	175 Sanford Ave Ottawa ON	E	202.82	5

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 30 con A ON ***Well ID:*** 1504645	SW	134.02	2

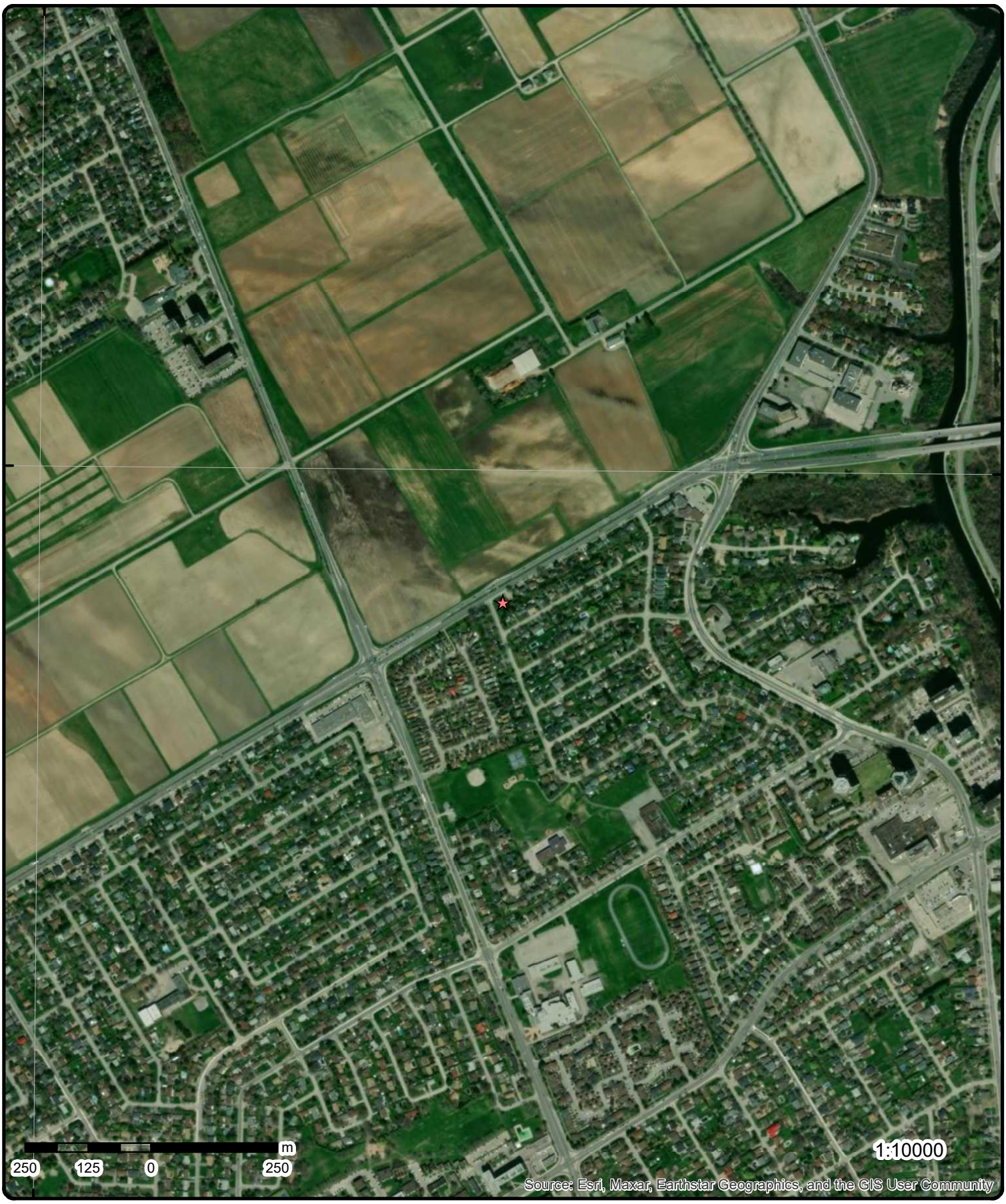


Map: 0.25 Kilometer Radius

Order Number: 22110400095

Address: 222 baseline road, Ottawa, ON

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

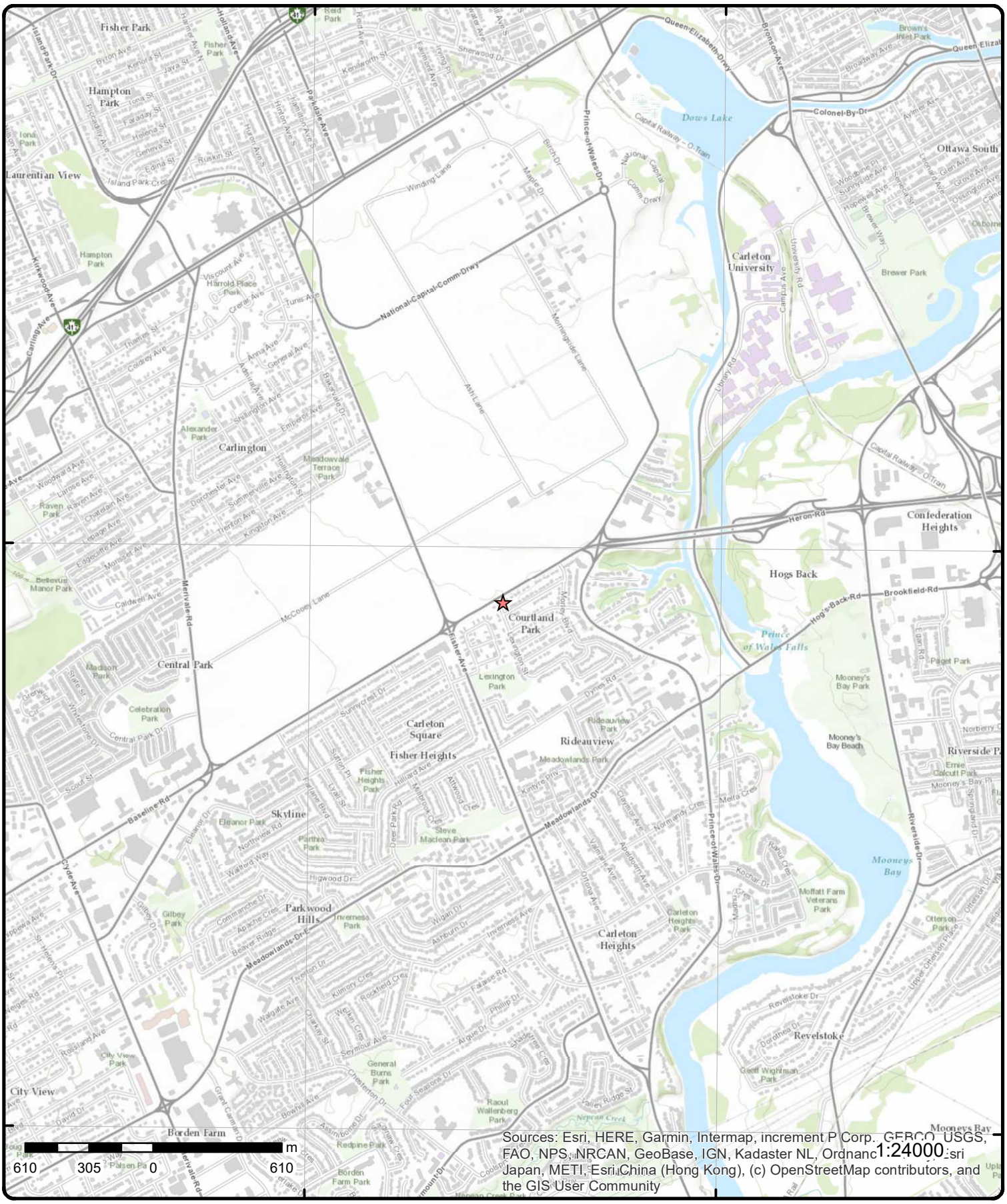


Aerial **Year: 2022**

Order Number: 22110400095

Address: 222 baseline road, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 22110400095

Address: 222 baseline road, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SW/133.9	79.9 / 1.00	ON	BORE

Borehole ID:	612731	**Inclin FLG:**	No
OGF ID:	215514037	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	APR-1948	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.371621
Total Depth m:	32.6	**Longitude DD:**	-75.71413
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	444081
Drill Method:		**Northing:**	5024482
Orig Ground Elev m:	82.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	83.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392275	**Mat Consistency:**	Dense
Top Depth:	21.3	**Material Moisture:**	
Bottom Depth:	32.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 00105D. CLAY. DENSE. BEDROCK. BEDROCK. BEDROCK. 00010 028 0002 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218392273	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218392274	**Mat Consistency:**	
Top Depth:	12.2	**Material Moisture:**	
Bottom Depth:	21.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	

Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: GRAVEL.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 05239 NTS_Sheet:
Confiden 1:

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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2 ***1 of 1*** ***SW/134.0*** ***79.9 / 1.00*** ***lot 30 con A ON*** ***WWIS***

Well ID:	1504645	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	23-Mar-1949 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3728
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	030
Depth to Bedrock:		***Concession:***	A
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504645.pdf

Additional Detail(s) (Map)

Well Completed Date:	1948/04/15
Year Completed:	1948
Depth (m):	32.6136
Latitude:	45.3716196626662
Longitude:	-75.7141296395304
Path:	150\1504645.pdf

Bore Hole Information

Bore Hole ID:	10026688	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	444080.70
Code OB Desc:		**North83:**	5024482.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	15-Apr-1948 00:00:00	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9

Loc Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931000048
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 107.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931000047
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 14
Mat2 Desc: HARDPAN
Mat3:
Mat3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931000046
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:

Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504645
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10575258
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930046109
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 107.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930046108
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 70.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930046107
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504645
Pump Set At:

Static Level:	30.0
Final Level After Pumping:	34.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933457943
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10026688	**Tag No:**	
Depth M:	32.6136	**Contractor:**	3728
Year Completed:	1948	**Path:**	150\1504645.pdf
Well Completed Dt:	1948/04/15	**Latitude:**	45.3716196626662
Audit No:		**Longitude:**	-75.7141296395304

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3 | ***1 of 2*** | ***ESE/136.7*** | ***78.8 / -0.08*** | ***Enbridge Gas Distribution Inc.*** ***199 Stanford Ave*** ***Ottawa ON*** | ***SPL***

Ref No:	8574-9XMQHT	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	6/19/2015	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	199 Stanford Ave
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:	Air	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	N	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/19/2015	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	Enbridge Gasline: 1/2" plastic gasline<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA/Enbridge: 1/2 " gasline damage		
Contaminant Qty:	0 other - see incident description		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	2 of 2	ESE/136.7	78.8 / -0.08	PIPELINE HIT - 1/2" 199 SANFORD AVE,,OTTAWA,ON,K2C 0G1,CA ON	PINC

Incident Id:
Incident No: 1667424
Incident Reported Dt: 6/19/2015
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: PIPELINE HIT - 1/2"
Incident Address: 199 SANFORD AVE,,OTTAWA,ON,K2C 0G1,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:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	WSW/151.5	79.9 / 1.00	ON	BORE

Borehole ID: 612742
OGF ID: 215514048
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 3.0
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 82.3
Elev Reliabil Note:
DEM Ground Elev m: 83
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.372155
Longitude DD: -75.71503
UTM Zone: 18
Easting: 444011
Northing: 5024542
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218392316
Top Depth: 0
Bottom Depth: 12.2
Material Color:
Material 1: Clay
Material 2:
Material 3:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:

Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: CLAY.

Geology Stratum ID: 218392317 ***Mat Consistency:***
Top Depth: 12.2 ***Material Moisture:***
Bottom Depth: 21.3 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Till ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: TILL. WATER STABLE AT 260.0 FEET.

Geology Stratum ID: 218392318 ***Mat Consistency:*** Compact
Top Depth: 21.3 ***Material Moisture:***
Bottom Depth: ***Material Texture:***
Material Color: Dark ***Non Geo Mat Type:***
Material 1: Bedrock ***Geologic Formation:***
Material 2: Limestone ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: BEDROCK. WEATHERED. CLAY. GREY,SOFT,FIRM. SILT. GREY,LOOSE. SILT. DARK,GREY,COMPACT, DENSE. B **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey ***Source Appl:*** Spatial/Tabular
Source Orig: Geological Survey of Canada ***Source Iden:*** 1
Source Date: 1956-1972 ***Scale or Res:*** Varies
Confidence: H ***Horizontal:*** NAD27
Observatio: ***Verticalda:*** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 052500 NTS_Sheet: 31G05B
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

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

5	1 of 1	E/202.8	76.9 / -2.00	175 Sanford Ave Ottawa ON	SPL

Ref No: 4038-BRRJ7N ***Discharger Report:***
Site No: NA ***Material Group:***
Incident Dt: 2020/07/22 ***Health/Env Conseq:*** 2 - Minor Environment
Year: ***Client Type:***
Incident Cause: ***Sector Type:*** Miscellaneous Communal
Incident Event: Leak/Break ***Agency Involved:***
Contaminant Code: 44 ***Nearest Watercourse:***
Contaminant Name: SEWAGE SLUDGE ***Site Address:*** 175 Sanford Ave
Contaminant Limit 1: ***Site District Office:*** Ottawa
Contam Limit Freq 1: ***Site Postal Code:***
Contaminant UN No 1: n/a ***Site Region:*** Eastern
Environment Impact: ***Site Municipality:*** Ottawa
Nature of Impact: ***Site Lot:***

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

Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	5024573
MOE Response:	No	**Easting:**	444396
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2020/07/22	**Site Map Datum:**	
Dt Document Closed:	2020/08/28	**SAC Action Class:**	Land Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	**Source Type:**	Sewer (Private or Municipal)
Site Name:	residence<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Single home residence sewage backed up		
Contaminant Qty:	5 L		

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6 ***1 of 2*** ***ESE/245.7*** ***78.9 / 0.00*** ***Enbridge Gas Distribution Inc.*** ***SPL***
179 Chandler Avenue
Ottawa ON

Ref No:	3310-ASJRGB	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2017/10/27	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	179 Chandler Avenue
Contaminant Limit 1:	0	**Site District Office:**	Ottawa
Contam Limit Freq 1:	none	**Site Postal Code:**	
Contaminant UN No 1:	1075	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2017/10/27	**Site Map Datum:**	
Dt Document Closed:	2017/12/16	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	residential property<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSAfsb ½ gas srvce dmgd, made safe		
Contaminant Qty:	0 other - see incident description		

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6 ***2 of 2*** ***ESE/245.7*** ***78.9 / 0.00*** ***PIPELINE HIT 0.5"*** ***PINC***
179 CHANDLER AVE,,OTTAWA,ON,K2C 0G3,CA
ON

Incident Id:		**Pipe Material:**	
Incident No:	2182036	**Fuel Category:**	
Incident Reported Dt:	10/30/2017	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	

Customer Acct Name:	PIPELINE HIT 0.5"
Incident Address:	179 CHANDLER AVE,,OTTAWA,ON,K2C 0G3,CA
Operation Type:	
Pipeline Type:	
Regulator Type:	
Summary:	
Reported By:	
Affiliation:	
Occurrence Desc:	
Damage Reason:	
Notes:	

Unplottable Summary

Total: 10 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	RON ENGINEERING & CONSTRUCTION LTD.	BASELINE RD.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	BASELINE ROAD EXTENSION (SWM)	OTTAWA CITY ON	
ECA	City of Ottawa	Fisher Avenue, Eiffel Avenue, Claymore Avenue, Dynes Road, Deer Park Road, Malibu Terrace and Baseline Road	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Southwest Transitway at Baseline Rd	Ottawa ON	K2G 6J8
EHS		Baseline Rd	Ottawa ON	
NDFT		Hgr 16	ON	
NDFT		Hgr 16	ON	
SPL	City of Ottawa	Baseline Rd. Eastbound lane, just past Fisher Rd.	Ottawa ON	
SPL	HEATING OIL TANK	FARM OFF HWY 16 PETROLEUM SECTOR _ONLY_	OTTAWA-CARLETON R. M. ON	
SPL	TRANSPORT TRUCK	HWY 16 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	

Unplottable Report

Site: ***RON ENGINEERING & CONSTRUCTION LTD.***
BASELINE RD. OTTAWA CITY ON

Database: ***CA***

Certificate #:	8-4052-87-
Application Year:	87
Issue Date:	6/19/1987
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	FUMEHOOD
Contaminants:	
Emission Control:	

Site: ***R.M. OF OTTAWA-CARLETON***
BASELINE ROAD EXTENSION (SWM) OTTAWA CITY ON

Database: ***CA***

Certificate #:	3-0701-96-
Application Year:	96
Issue Date:	9/4/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***City of Ottawa***
Fisher Avenue, Eiffel Avenue, Claymore Avenue, Dynes Road, Deer Park Road, Malibu Terrace and Baseline Road
Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	9694-6PDHHT	***MOE District:***	
Approval Date:	2006-05-06	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name:	City of Ottawa
Address:	Fisher Avenue, Eiffel Avenue, Claymore Avenue, Dynes Road, Deer Park Road, Malibu Terrace and Baseline Road
Full Address:	
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3565-6P6HVU-14.pdf
PDF Site Location:	

Site: ***City of Ottawa***
Southwest Transitway at Baseline Rd Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	8261-8EBKZB	***MOE District:***	
Approval Date:	2011-03-31	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	City of Ottawa		
Address:	Southwest Transitway at Baseline Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7921-8B9HHW-14.pdf		
PDF Site Location:			

Site: ***Database:*** ***EHS***

Baseline Rd Ottawa ON

Order No:	20051017031	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Site Report	***Client Prov/State:***	QC
Report Date:	10/18/2005	***Search Radius (km):***	0.25
Date Received:	10/17/2005	***X:***	
Previous Site Name:		***Y:***	
Lot/Building Size:			
Additional Info Ordered:			

Site: ***Database:*** ***NDFT***

Hgr 16 ON

Property Id:	K6174
Base Name:	(0002) CF SUPPORT UNIT (OTTAWA)
Status:	Tank currently active
Status As Of:	May 25, 2001
Tank Class:	Operating tank for heating or emergency power generator
Install Year:	1995
Tank Type:	More Info Needed
Last Year Used:	
Tank Contents:	Heating fuel / furnace oil
Capacity (L):	909

Site: ***Database:*** ***NDFT***

Hgr 16 ON

Property Id:	K6154
Base Name:	(0002) CF SUPPORT UNIT (OTTAWA)
Status:	Tank currently active
Status As Of:	May 25, 2001
Tank Class:	Operating tank for heating or emergency power generator
Install Year:	1995
Tank Type:	Aboveground Shop-fabricated
Last Year Used:	
Tank Contents:	Heating fuel / furnace oil
Capacity (L):	909

Site: ***City of Ottawa*** ***Database:*** ***SPL***

Baseline Rd. Eastbound lane, just past Fisher Rd. Ottawa ON

Ref No:	5816-9U4MMM	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2/26/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	
Incident Event:		***Agency Involved:***	

Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT N.O.S.	***Site Address:***	Baseline Rd. Eastbound lane, just past Fisher Rd.
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	5024497
MOE Response:	N	***Easting:***	443946
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	GPS
MOE Reported Dt:	2/26/2015	***Site Map Datum:***	
Dt Document Closed:	5/5/2015	***SAC Action Class:***	Land Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	***Source Type:***	
Site Name:	Bus<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo - Coolant spill approx 15L		
Contaminant Qty:	15 L		

Site: ***HEATING OIL TANK***
FARM OFF HWY 16 PETROLEUM SECTOR _ONLY_ OTTAWA-CARLETON R.M. ON

Database: ***SPL***

Ref No:	30436	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	1/31/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	ABOVE-GROUND TANK LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	20000
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	1/31/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	STOVE OIL TANK-900 L STOVE OIL TO GROUND.		
Contaminant Qty:			

Site: ***TRANSPORT TRUCK***
HWY 16 MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: ***SPL***

Ref No:	76308	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/15/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	

Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	PD,FD,MTO.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/15/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TRANSPORT TRUCK-450 L DIESEL FUEL TO HWY 16 CONTAINED,FD,PD,MTO.		
Contaminant Qty:			

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Nov 2021

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-Mar 2022

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-May 31, 2022

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 2020

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: Feb 28, 2022

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-May 31, 2022

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 -Sep 2022

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-Jun 2022

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 - Sep 30, 2022

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

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: Feb 28, 2022

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- Sep 30, 2022

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 - Sep 30, 2022

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- Sep 30, 2022

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-Jul 31, 2022

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: 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 and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

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: Feb 28, 2022

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-Sep 2022

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: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Apr 30, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2019

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: Feb 28, 2022

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 21, 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 2022

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2022

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2021

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 - Sep 30, 2022

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- Sep 30, 2022

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2021

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 - Sep 30, 2022

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, 1992-2019

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2022

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-May 31, 2022

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2020

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 - Dec 2020

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 ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Sep 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Jun 30 2022

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

Samuel Berube, B. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Junior Environmental Engineer

EDUCATION

University of Guelph, B.Eng., 2019
Environmental Engineering

EXPERIENCE

2019 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Junior Environmental Engineer

2018
Health Canada FNIHB
Proposal and Final Design Review
Student Engineer

SELECT LIST OF PROJECTS

Phase I and II – ESA Reports – Various Sites - Ottawa
Large Scale Remediation Program – Caivan Residential Development
National Capital Region (CSA Z768-01 & MECP)
Remediation Programs – Various Sites - Ottawa
Designated Substance Surveys – Various Sites – Ottawa
Geotechnical Investigations – Various Sites
Subgrade Reviews – Various Sites – Ottawa
Density Testing – Residential and Commercial Sites – Ottawa
Bearing Surface Investigations – Various Sites - Ottawa

Mark S. D'Arcy, P. Eng.

patersongroup

- Geotechnical Engineering
- Environmental Engineering
- Hydrogeology
- Geological Engineering
- Materials Testing
- Building Science
- Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa