

# **Phase I Environmental Site Assessment**

Part of 3555 Borrisokane Road  
Ottawa, Ontario

Prepared for Ottawa Korean Community Church

**Report: PE5894-1**

**Date: October 27, 2022**

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## EXECUTIVE SUMMARY

### Assessment

Paterson Group was retained by the Ottawa Korean Community Church to conduct a Phase I-Environmental Site Assessment (ESA) for the southern portion of the property addressed 3555 Borrisokane Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the subject land.

According to the historical research and personal interviews, the Phase I Property has never been formally developed and has historically been used for agricultural purposes or existed as vacant land. No concerns were identified with the historical use of the Phase I Property.

Based on available historical information, adjacent and surrounding properties within the Phase I Study Area were primarily used for agricultural purposes. No off-site historical PCAs were identified within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I Property currently exists as vacant/grassed land. No concerns were identified with the current use of the Phase I Property.

The current uses of the adjacent and neighbouring properties within the Phase I Study Area include primarily agricultural with some residential land being developed to the east. No existing off-site PCAs were identified within the Phase I Study Area at the time of the site visit.

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

## 1.0 INTRODUCTION

At the request of the Ottawa Korean Community Church, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for 3555 Borrisokane Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and properties within the Phase I Study Area to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. David Parker with Parker Architects (acting on behalf of the Ottawa Korean Community Church). Mr. Parker can be reached by telephone at (905)-353-5257.

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

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

## 2.0 PHASE I PROPERTY INFORMATION

Address: Part of 3555 Borrisokane Road, Ottawa, Ontario

Legal Description: Part 5 of Lot 11, Concession 3 (Rideau Front); Registered Plan 4R-25337; Geographic Township of Nepean, in the City of Ottawa, Ontario.

Property Identification  
Number (PIN):

04595-3674

Location:

The Phase I Property is located on the east side of Borrisokane Road, approximately 105 m south of Flagstaff Drive, in the City of Ottawa, Ontario. For the purposes of this report, Borrisokane Road is assumed to run north-south. Refer to Figure 1 - Key Plan in the Figures section following the text.

Latitude and Longitude: 45° 14' 50" N, 75° 45' 38" W

### **Site Description:**

Configuration: Irregular

Area: 1.35 ha (approximate)

Zoning: IL – Light Industrial Zone

Current Use: The Phase I Property is currently vacant land.

Services: The Phase I Property is not currently serviced.

### 3.0 SCOPE OF INVESTIGATION

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

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **Phase I-ESA Study Area Determination**

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

#### **First Developed Use Determination**

Based on a review of available historical information, the Phase I Property has never been formally developed.

#### **National Archives**

Fire insurance plans (FIPs) and city directories are not available for the area of the Phase I Property or the surrounding lands.

#### **Chain of Title**

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

#### **Plan of Survey**

A topographic plan of survey for the Phase I Property, prepared by Annis, O'Sullivan Vollebakk Limited was reviewed as part of the Phase I ESA. The plan shows the Phase I Property in its current configuration. A copy of the topographic plan of survey is provided in Appendix 1.

#### **Previous Environmental Reports**

A review of environmental projects in the area of the Phase I Property completed by Paterson Group did not identify any issues considered to pose a risk to the Phase I Property.

## 4.2 Environmental Source Information

### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on October 12, 2022. No records were found in the NPRI database for properties within the Phase I Study Area.

### **PCB Inventory**

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

### **Areas of Natural Significance**

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on October 12, 2022. The search did not reveal any areas of natural significance within the Phase I Study Area.

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

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the properties. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

### **MECP Instruments**

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

### **MECP Waste Management Records**

A request was submitted to the MECP FOI office for information with respect to waste management records. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.



### **MECP Submissions**

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

### **MECP Incident Reports**

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, inspections maintained by the MECP the for Phase I Property or neighbouring properties. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

### **MECP Brownfields Environmental Site Registry**

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

### **MECP Waste Disposal Site Inventory**

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites listed in this document within the Phase I Study Area.

### **Technical Standards and Safety Authority (TSSA)**

The TSSA, Fuels Safety Branch in Toronto, was contacted electronically on October 12, 2022 to inquire about current and former underground/aboveground storage tanks, spills, and incidents for the subject and neighbouring properties. The TSSA search did not return any records for the Phase I Property or neighbouring properties. A copy of the TSSA correspondence is included in Appendix 2.

### **City of Ottawa Historical Land Use Inventory (HLUI)**

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response had not been received at the time of issuing this report. A copy of the search results will be forwarded to the client upon receipt. A copy of the HLUI request form is provided in Appendix 2.

### **City of Ottawa Landfill Document**

The document prepared by Golder Associates entitled "Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa", was reviewed. No former landfills were identified within the Phase I Study Area.

### **Environmental Risk Information Service (ERIS) Report**

An Environmental Risk Information Services (ERIS) report for the Phase I Property and surrounding lands was acquired and reviewed as part of this assessment. It should be noted that the ERIS report includes information that would normally be obtained through the MECP FOI, MECP well records search as well as several other records (i.e., incident reports, waste generators, etc.). The ERIS report did not identify any records for the Phase I Property. The complete ERIS report has been included in Appendix 1.

The ERIS report identified a total of one record for properties within the 250m radius of the Phase I Property. A historical ERIS search (from 2011) was identified for the property addressed 3128 Moodie Drive. The presence of this historical ERIS search is not considered to represent an environmental concern to the Phase I Property.

## **4.3 Physical Setting Sources**

### **Aerial Photographs**

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

- |      |   |
|------|---|
| 1946 | (Poor Scale) The Phase I Property and surrounding lands consist of agricultural land.                           |
| 1956 | (Poor Scale) No significant changes are apparent with respect to the Phase I Property or the surrounding lands. |

- 1976 (City of Ottawa website) No significant changes are apparent with respect to the Phase I Property. Borrisokane Road is present adjacent to the west of the Phase I Property.
- 1991 (City of Ottawa website) No significant changes are apparent with respect to the Phase I Property.
- 2002 (City of Ottawa website) No significant changes are apparent with respect to the Phase I Property. Borrisokane Road has been realigned south of the Phase I Property. Highway 416 is present further southwest of the Phase I Property.
- 2008 (City of Ottawa website) The north portion of the Phase I Property has been stripped of topsoil. The portion of 3555 Borrisokane Road adjacent to the north of the Phase I Property appears to be used as an access road for the pre-development activities further east.
- 2021 (City of Ottawa website) The Phase I Property consists of vacant land. The portion of 3555 Borrisokane Road adjacent to the north of the Phase I Property has various stockpiled material. Residential development has occurred further to the east and northeast of the Phase I Property.

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

### **Physiographic Maps**

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

### **Topographic Maps**

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the elevation of the Phase I Property is approximately 92 m above sea level. The regional topography in the general area of the Phase I Property slopes down towards the north, in the general direction of the Jock River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

## **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of dolomite of the Oxford Formation. Based on the maps, the surficial geology consists of organic deposits with an overburden thickness ranging from 15 to 25 m.

## **Water Well Records**

A well record search was conducted on October 12, 2022 for all drilled wells within 250m of the Phase I Property. The search did not return any well records for the Phase I Property or properties within the Phase I Study Area.

## **5.0 INTERVIEWS**

### **Property Owner Representatives**

Mr. Inwon Lee, a representative for the Ottawa Korean Community Church, the current owner of the Phase I Property was interviewed via e-mail correspondence as part of this assessment. Mr. Lee indicated that to his knowledge the Phase I Property has never been formally developed and has historically been used for agricultural purposes. Mr. Lee stated that he was unaware of any environmental concerns with regard to the Phase I Property.

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

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

A site visit was conducted on October 14, 2022, by Mr. Jeremy Camposarcone with the Environmental Department of Paterson Group. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were assessed at the time of the site visit from publicly accessible areas.

### **6.2 Specific Observations at the Phase I Property**

#### **Buildings and Structures**

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

## **Subsurface Structures and Utilities**

The Phase I Property is not currently serviced. No subsurface structures were identified at the time of the site visit.

## **Site Features**

The Phase I Property consists of vacant/grassed land. At the time of the site visit, no signs of stressed vegetation, surficial staining or evidence of fill material were noted on the Phase I Property.

No fuels, chemicals, or signs of ASTs or USTs were observed on the exterior of the Phase I Property at the time of the site visit.

The site and regional topography are relatively flat, with site drainage consisting of infiltration and surface runoff toward Borrisokane Road. Groundwater within the Phase I Study Area is generally expected to flow towards the north towards the Jock River.

No underground structures, drains, pits or sumps were observed on the exterior of the Phase I Property at the time of the site visit. No monitoring wells, potable wells or private sewage systems were observed on site, nor are any expected to be present, as the site has never been formally developed.

Site features are presented on Drawing PE5894-1 – Site Plan, provided in the Figures section following the text.

## **Potential Environmental Concerns**

### **Fuels and Chemical Storage**

No aboveground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed on the exterior of the Phase I Property at the time of the site inspection.

### **Waste Management**

No waste is currently generated on the Phase I Property.

### **Fill Material**

Reworked native material was identified on the north portion of the Phase I Property. The presence of the reworked native material is not considered to represent a PCA on the Phase I Property.

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

No potential sources of PCBs or transformer oil were observed on the exterior of the Phase I Property at the time of the site inspection.

**Wastewater Discharge**

No wastewater is currently generated on the Phase I Property.

### **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible areas at the time of the site visits. Land use adjacent to the Phase I Property was as follows:

- North – Vacant land (with stockpiled material), followed by Flagstaff Drive and agricultural land;
- South – Vacant/Treed land, followed by Cambrian Road;
- East – Vacant/Treed land, followed by a residential community under development;
- West – Borrisokane Road, followed by agricultural land.

Land use within the Phase I Study is primarily agricultural with some residential land being developed to the east. Current land use of properties within the Phase I Study Area is presented on Drawing PE5894-2 – Surrounding Land Use Plan.

## **7.0 REVIEW AND EVALUATION OF INFORMATION**

### **7.1 Current and Past Uses**

Based on city directories, aerial photographs and personal interviews, the Phase I Property has never been formally developed.

#### **Potentially Contaminating Activities (PCAs)**

No historical or existing potentially contaminating activities were identified on the Phase I Property or within the Phase I Study Area.

#### **Areas of Potential Environmental Concern (APECs)**

No areas of potential environmental concern were identified on the Phase I Property.

## **Contaminants of Potential Concern (CPCs)**

Since no APECs were identified there are no contaminants of potential concern were identified on the Phase I Property.

## **7.2 Conceptual Site Model**

### **Geological and Hydrogeological Setting**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of dolomite of the Oxford Formation. Based on the maps, the surficial geology consists of organic deposits with an overburden thickness ranging from 15 to 25 m.

The topographic maps indicate that the regional topography in the general area of the Phase I Property is relatively flat. Groundwater within the Phase I Study Area is generally expected to flow towards the north.

### **Fill Placement**

Reworked native material was identified on the north portion of the Phase I Property. The presence of the reworked native material is not considered to represent a PCA on the Phase I Property.

### **Water Bodies and Areas of Natural Significance**

No areas of natural significance or water bodies were identified on the Phase I Property or within the Phase I Study Area.

### **Drinking Water Wells**

There are no potable water wells on the Phase I Property or within the Phase I Study Area.

### **Monitoring Wells**

No well records were identified for the Phase I Property or the surrounding lands.

### **Existing Buildings and Structures**

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

### **Subsurface Structures and Utilities**

The Phase I Property is not currently serviced.

## **Neighbouring Land Use**

Neighbouring land use in the Phase I Study Area consists of primarily agricultural with some residential land being developed to the east. Current land use in the Phase I Study Area is presented on Drawing PE5894-2 – Surrounding Land Use Plan.

## **Potentially Contaminating Activities and Areas of Potential Environmental Concern**

As per Section 7.1 of this report, no historical or existing potentially contaminating activities were identified on the Phase I Property or surrounding lands.

As per Section 7.1 of this report, no areas of potential environmental concern were identified on the Phase I Property.

## **Contaminants of Potential Concern**

As per Section 7.1 of this report, 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 PCAs that have resulted in APECs on the Phase I Property.

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

# **8.0 CONCLUSIONS**

## **8.1 Assessment**

Paterson Group was retained by the Ottawa Korean Community Church to conduct a Phase I-Environmental Site Assessment (ESA) for the southern portion of the property addressed 3555 Borrisokane Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the subject land.



According to the historical research and personal interviews, the Phase I Property has never been formally developed and has historically been used for agricultural purposes or existed as vacant land. No concerns were identified with the historical use of the Phase I Property.

Based on available historical information, adjacent and surrounding properties within the Phase I Study Area were primarily used for agricultural purposes. No off-site historical PCAs were identified within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I Property currently exists as vacant/grassed land. No concerns were identified with the current use of the Phase I Property.

The current uses of the adjacent and neighbouring properties within the Phase I Study Area include primarily agricultural with some residential land being developed to the east. No existing off-site PCAs were identified within the Phase I Study Area at the time of the site visit.

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

## 9.0 STATEMENT OF LIMITATIONS

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

Should any conditions be encountered at the subject site 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 the Ottawa Korean Community Church. Permission and notification from the Ottawa Korean Community Church and Paterson will be required to release this report to any other party.

### Paterson Group Inc.



Jeremy Camposarcone, B.Eng.



Mark D'Arcy, P.Eng, Q.P.ESA



### Report Distribution:

- Ottawa Korean Community Church
- Paterson Group

## 10.0 REFERENCES

### **Federal Records**

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

### **Provincial Records**

MECP Municipal Coal Gasification Plant Site Inventory, 1991.  
MECP document titled “Waste Disposal Site Inventory in Ontario”.  
MECP Brownfields Environmental Site Registry.  
MNR Areas of Natural Significance.  
MECP Water Well Record Inventory.  
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 Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.  
geoOttawa: City of Ottawa electronic mapping website.  
City of Ottawa Historical Land Use Inventory (HLUI) Database

### **Local Information Sources**

Personal Interviews  
Chain of Title  
Previous Engineering Reports  
Environmental Risk Information Services (ERIS) Report, October 17, 2022

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE5894-1 – SITE PLAN**

**DRAWING PE5894-2 – SURROUNDING LAND USE PLAN**



FIGURE 1  
KEY PLAN

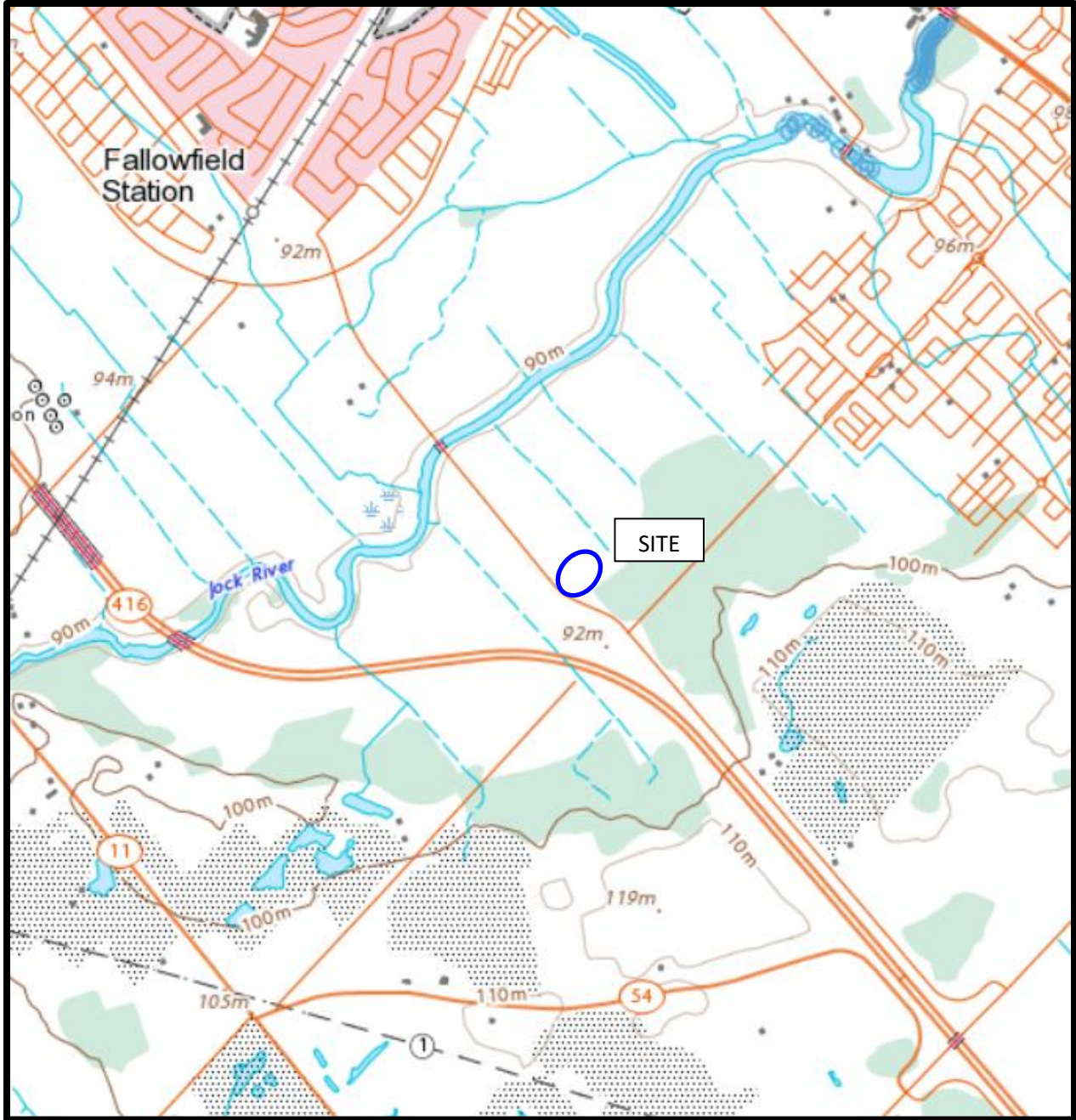
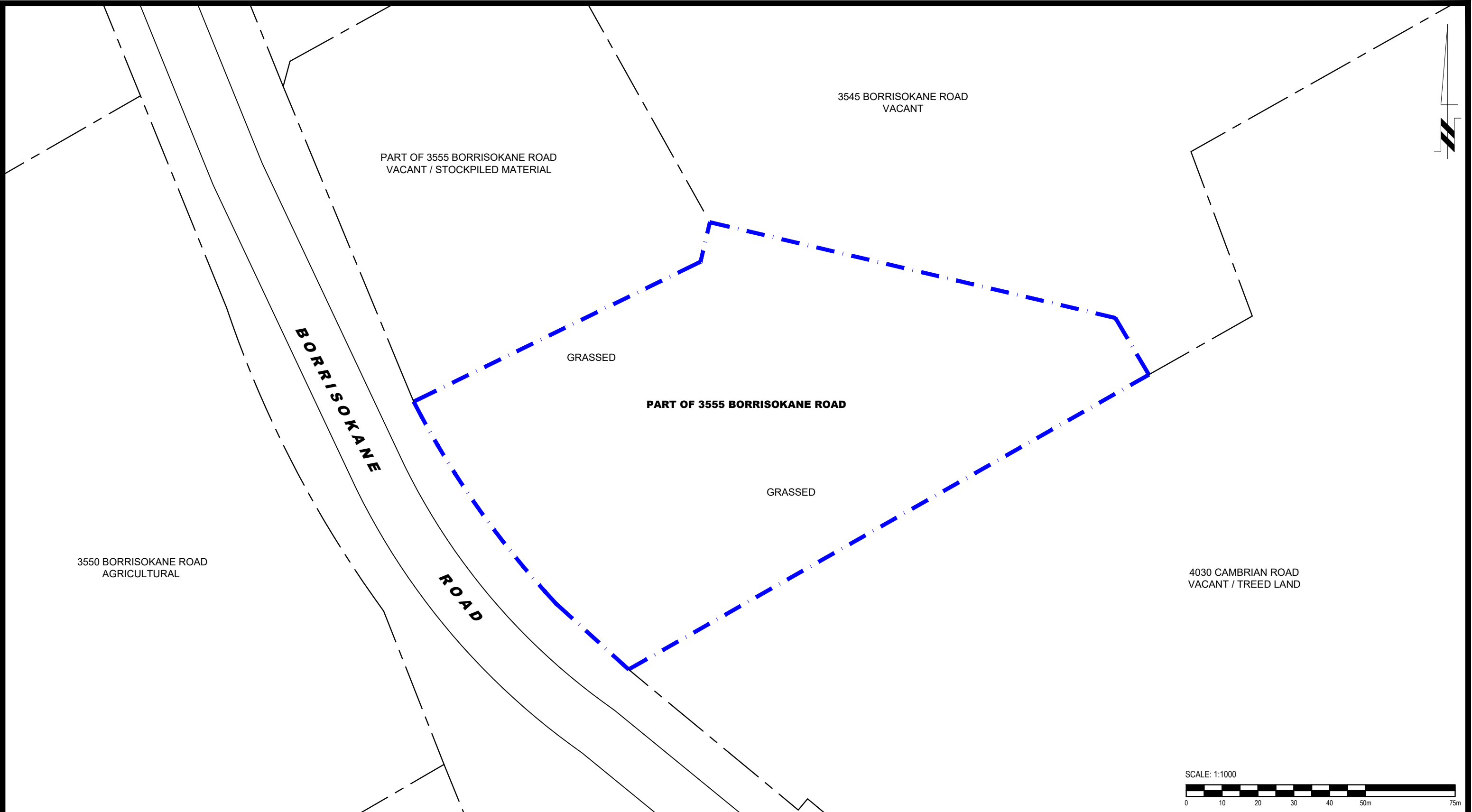


FIGURE 2  
TOPOGRAPHIC MAP



3550 BORRISOKANE ROAD  
AGRICULTURAL

PART OF 3555 BORRISOKANE ROAD  
VACANT / STOCKPILED MATERIAL

3545 BORRISOKANE ROAD  
VACANT

4030 CAMBRIAN ROAD  
VACANT / TREED LAND

**BORRISOKANE**

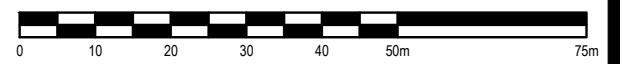
**ROAD**

GRASSED

**PART OF 3555 BORRISOKANE ROAD**

GRASSED

SCALE: 1:1000



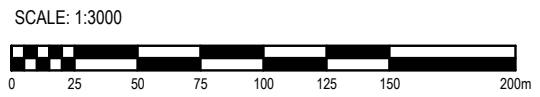
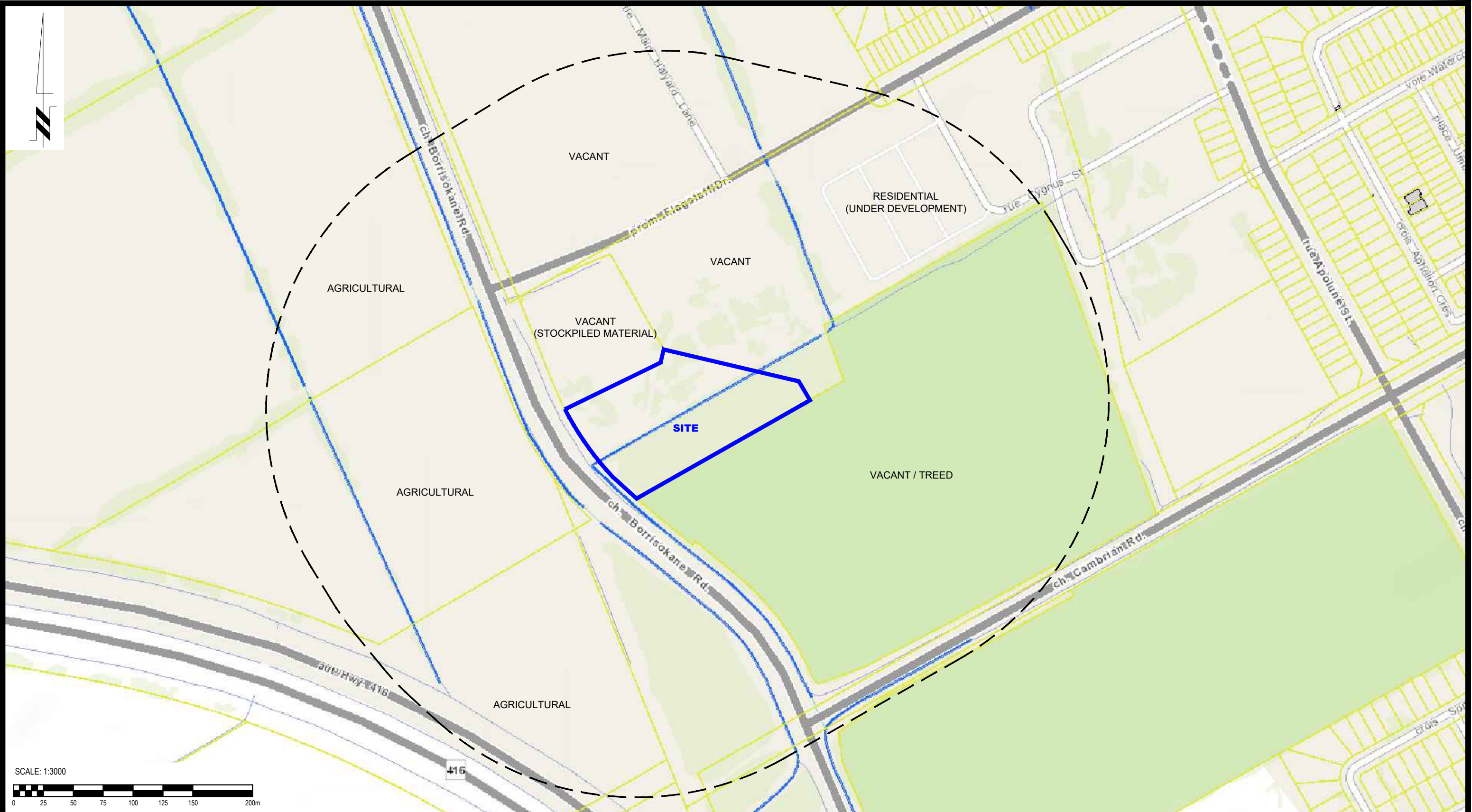
| NO. | REVISIONS | DATE | INITIAL |
|-----|-----------|------|---------|
|     |           |      |         |
|     |           |      |         |
|     |           |      |         |

**OTTAWA KOREAN COMMUNITY CHURCH**  
**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**  
**PART OF 3555 BORRISOKANE ROAD**

OTTAWA, ONTARIO

**SITE PLAN**

|              |        |               |                 |
|--------------|--------|---------------|-----------------|
| Scale:       | 1:1000 | Date:         | 10/2022         |
| Drawn by:    | YA     | Report No.:   | PE5894-1        |
| Checked by:  | JC     | Dwg. No.:     | <b>PE5894-1</b> |
| Approved by: | MSD    | Revision No.: |                 |



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

| NO. | REVISIONS | DATE | INITIAL |
|-----|-----------|------|---------|
|     |           |      |         |
|     |           |      |         |
|     |           |      |         |

OTTAWA, ONTARIO

**OTTAWA KOREAN COMMUNITY CHURCH  
 PHASE I - ENVIRONMENTAL SITE ASSESSMENT  
 PART OF 3555 BORRISOKANE ROAD**

**SURROUNDING LAND USE PLAN**

|              |        |               |                 |
|--------------|--------|---------------|-----------------|
| Scale:       | 1:3000 | Date:         | 10/2022         |
| Drawn by:    | YA     | Report No.:   | PE5894-1        |
| Checked by:  | JC     | Dwg. No.:     | <b>PE5894-2</b> |
| Approved by: | MSD    | Revision No.: |                 |

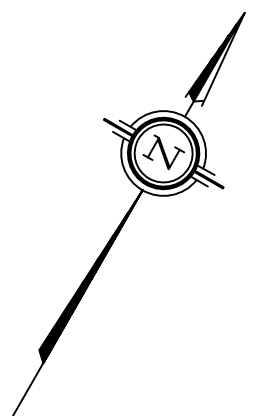


# **APPENDIX 1**

**PLAN OF SURVEY**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.  
 DATE: \_\_\_\_\_

**PLAN 4R-**  
 RECEIVED AND DEPOSITED  
 DATE: \_\_\_\_\_

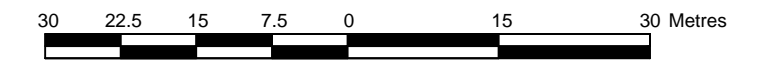
-----  
 E. H. HERWEYER  
 ONTARIO LAND SURVEYOR

-----  
 REPRESENTATIVE FOR  
 LAND REGISTRAR FOR THE  
 LAND TITLES DIVISION OF  
 OTTAWA-CARLETON NO. 4.

| SCHEDULE     |      |            |                  |                   |
|--------------|------|------------|------------------|-------------------|
| AREA (Sq.m.) | PART | LOT        | CONCESSION       | PIN               |
| 4630         | 1    | PART OF 11 | 3 (RIDEAU FRONT) | ALL OF 04595-3674 |
| 698          | 2    |            |                  |                   |
| 3825         | 3    |            |                  |                   |
| 495          | 4    |            |                  |                   |
| 12734        | 5    |            |                  |                   |

**PLAN OF SURVEY OF  
 PART OF LOT 11  
 CONCESSION 3 (RIDEAU FRONT)  
 GEOGRAPHIC TOWNSHIP OF NEPEAN  
 CITY OF OTTAWA**

Surveyed by Annis, O'Sullivan, Vollebek Ltd.  
 Scale 1 : 750



Metric  
 DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

**Surveyor's Certificate**  
 I CERTIFY THAT :  
 1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.  
 2. The survey was completed on the \_\_\_ day of \_\_\_\_\_, 2021.

-----  
 Date  
 -----  
 E. H. Herweyer  
 Ontario Land Surveyor

- Notes & Legend**
- Denotes Survey Monument Planted
  - " Survey Monument Found
  - SIB " Standard Iron Bar
  - SSIB " Short Standard Iron Bar
  - IB " Iron Bar
  - (WIT) " Witness
  - (AOG) " Annis, O'Sullivan, Vollebek Ltd.
  - Meas. " Measured
  - (P1) " Plan 4R-33597
  - (P2) " Plan 4R-25337

Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.999934.

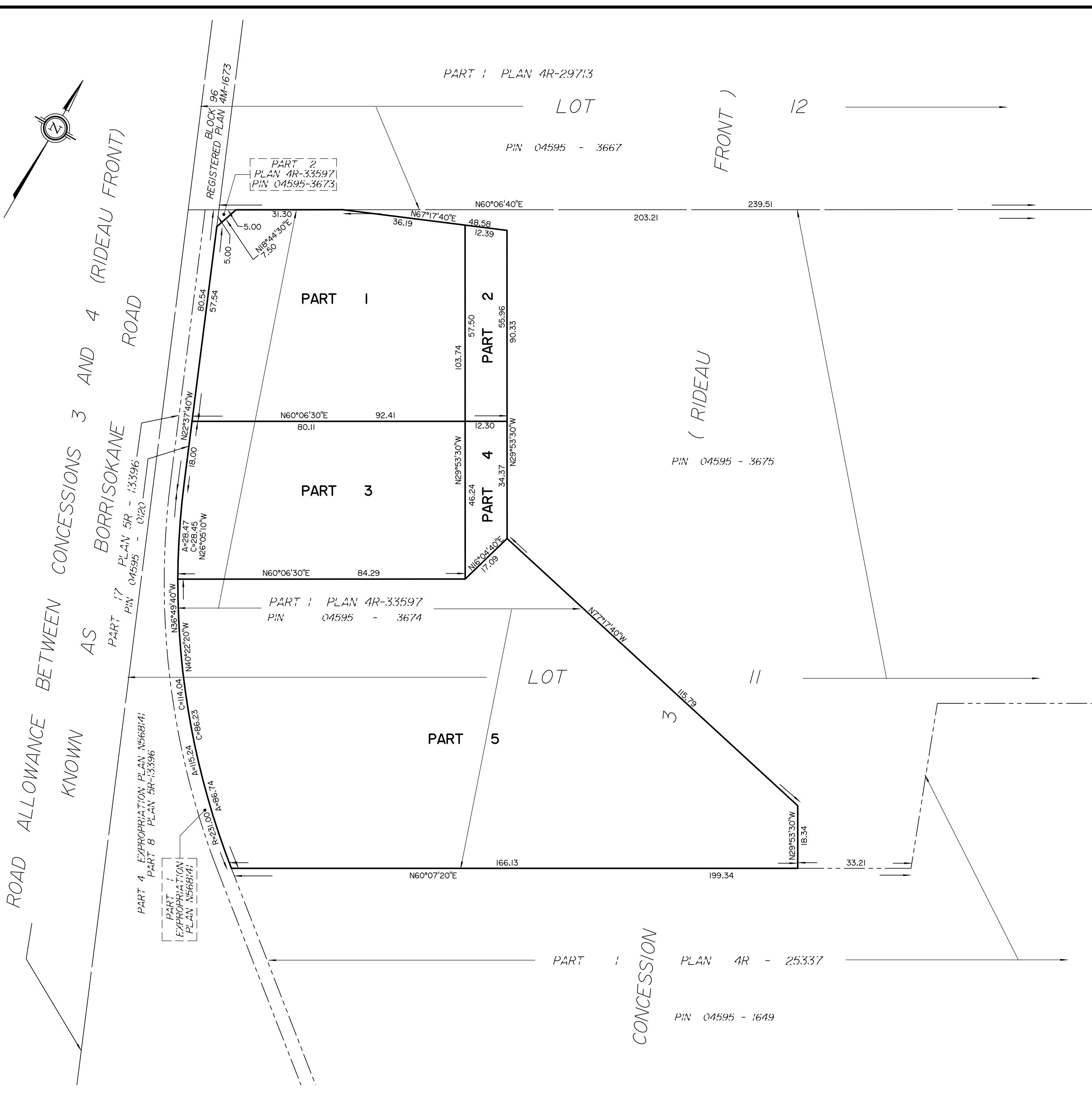
Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations on reference points A and B, shown hereon, having a bearing of Nxx°xx'xx"W and are referenced to Specified Control Points 01919791338 and 01919871649, MTM Zone 9 ( 76°30' West Longitude ) NAD-83 (original).

For comparison purposes, a rotation of  
 Coordinates are derived from Can-Net 2016 Real Time Network GPS observations referenced to Specified Control Points 01919791338 and 01919871649, MTM Zone 9 ( 76°30' West Longitude ) NAD-83 (original).

Coordinate values are to urban accuracy in accordance with O. Reg. 216/10.

|               |          |            |         |           |
|---------------|----------|------------|---------|-----------|
| . 01919791338 | Northing | 5006055.96 | Easting | 346140.91 |
| . 01919871649 | Northing | 5007189.87 | Easting | 372435.05 |
| . Point A     | Northing |            | Easting |           |
| . Point B     | Northing |            | Easting |           |

Caution: Coordinates cannot, in themselves, be used to re-establish corners or boundaries shown on this plan.



**ANNIS, O'SULLIVAN, VOLLEBEKK LTD.**  
 14 Concourse Gate, Suite 500  
 Nepean, Ont. K2E 7S6  
 Phone: (613) 727-0850 / Fax: (613) 727-1079  
 Email: Nepean@aovltd.com

Ontario  
 Land Surveyors

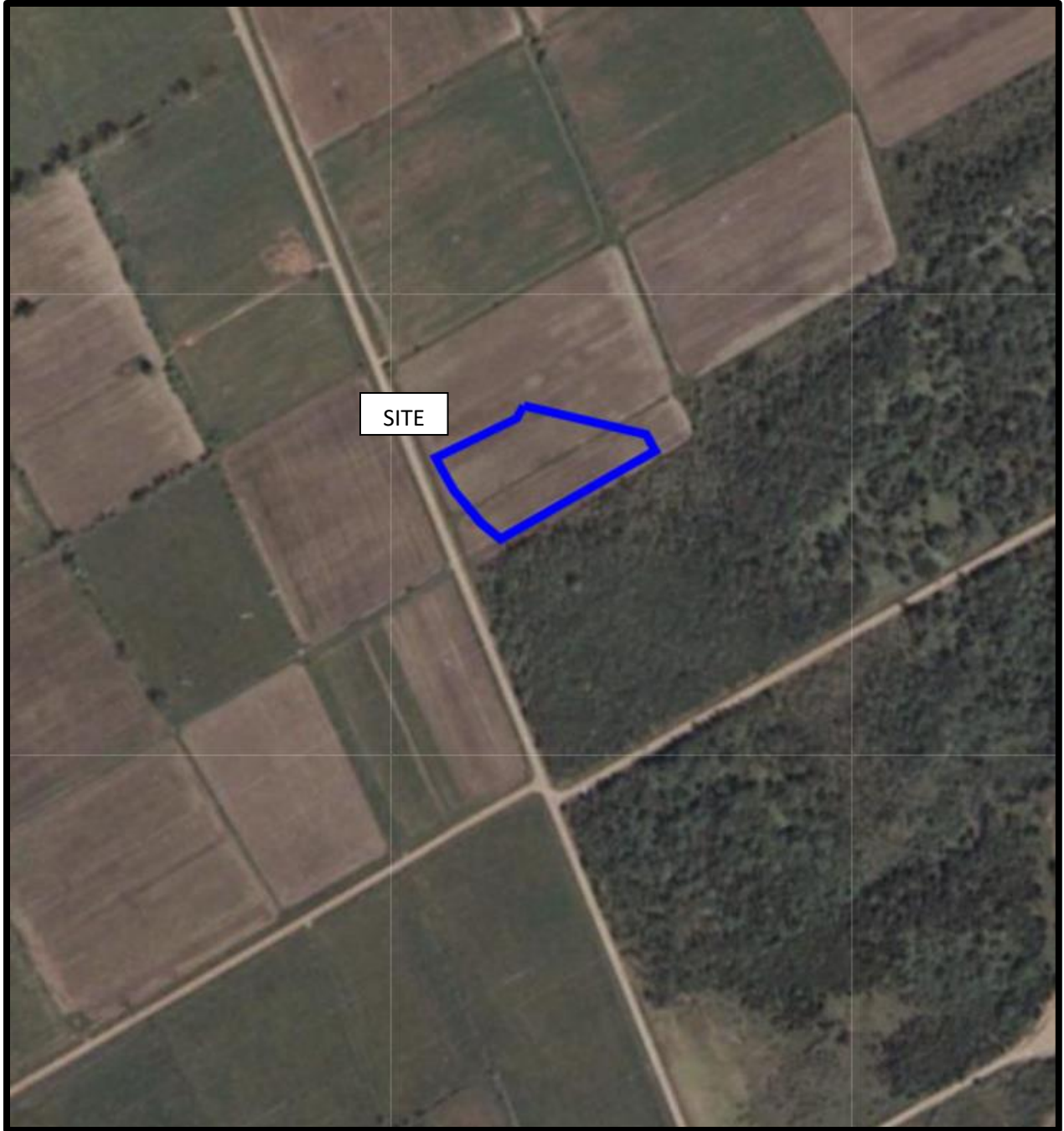
Job No. 21997-21 KoreanChurch PIL111 C3 RFNP R D1



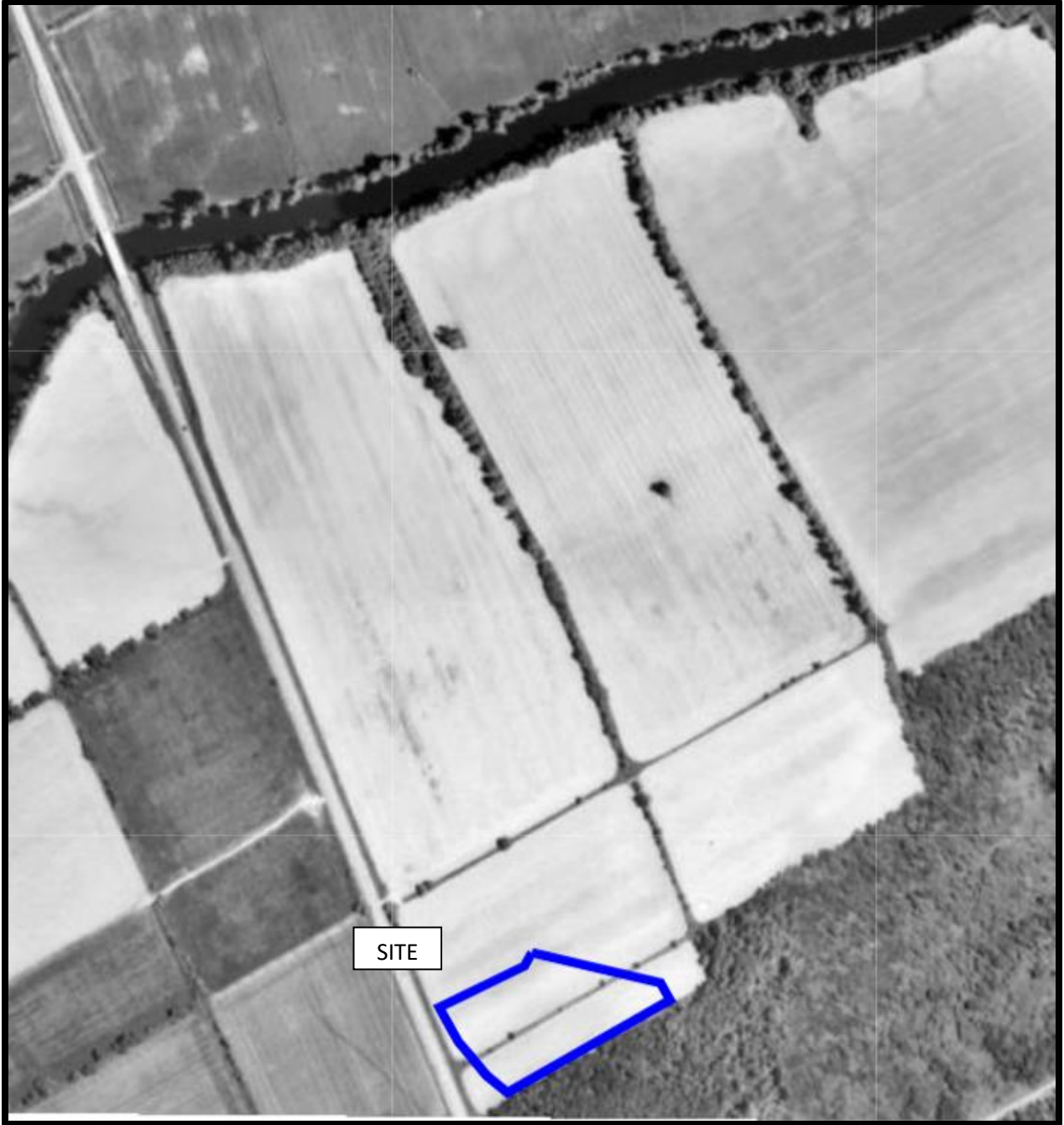
AERIAL PHOTOGRAPH  
1946



AERIAL PHOTOGRAPH  
1956



AERIAL PHOTOGRAPH  
1976



AERIAL PHOTOGRAPH  
1991



AERIAL PHOTOGRAPH  
2002



AERIAL PHOTOGRAPH  
2008





AERIAL PHOTOGRAPH  
2021

## Site Photographs

PE5894

Part of 3555 Borrisokane Road, Ottawa ON

October 14, 2022



Photograph 1: View from the north portion of the Phase I Property, facing east.



Photograph 2: View of the southeast corner of the Phase I Property, facing west.

# **APPENDIX 2**

**MECP FREEDOM OF INFORMATION SEARCH**

**TSSA CORRESPONDANCE**

**CITY OF OTTAWA HLUI SEARCH**

**ERIS REPORT**

Ministry of the Environment,  
Conservation and Parks

Corporate Management Division

Ministère de l'Environnement, de la  
Protection de la nature et des Parcs

Division de la gestion ministérielle

October 20, 2022

Jeremy Camposarcone

Dear Jeremy Camposarcone  
RE: Request #: EPI-2022-2000001387  
Site address: 3555 Borrisokane Road, Ottawa

This letter confirms that, after conducting a thorough search of its source system applications, the ministry was not able to find any records related to your environmental property-related information request.

If you have any questions regarding the matter, please contact the ministry at [eproperty@ontario.ca](mailto:eproperty@ontario.ca).

Sincerely,

Environmental Property Information (EPI) Program

**Disclaimer**

This search result is provided for informational purposes only and is not intended to provide specific advice or recommendations. The Ministry of the Environment, Conservation and Parks (MECP) cannot and does not guarantee that the information provided is current, accurate, complete, or free of errors. Any reliance upon this information is solely at the risk of the user.

Ministry of the Environment,  
Conservation and Parks

Corporate Management Division

Ministère de l'Environnement, de la  
Protection de la nature et des Parcs

Division de la gestion ministérielle

Le 20 octobre 2022

Jeremy Camposarcone

Madame,  
Monsieur, Jeremy Camposarcone

Objet : N<sup>o</sup> de demande : EPI-2022-2000001387  
Adresse du site: 3555 Borrisokane Road, Ottawa

La présente lettre confirme que, après avoir effectué une recherche exhaustive dans ces applications de système source, le ministère n'a pu trouver aucun dossier concernant à votre demande pour des données environnementales relatives aux biens immobiliers.

Si vous avez des questions concernant votre demande, nous vous invitons à communiquer avec le ministère à l'adresse électronique suivante:  
[eproperty@ontario.ca](mailto:eproperty@ontario.ca).

Veuillez recevoir mes salutations les plus sincères,

Programme d'Information Environnementale de la propriété

### **Avertissement**

Ce résultat de recherche est fourni uniquement à titre informatif et n'a aucunement pour but de donner des conseils particuliers ou des recommandations. Le ministère de l'Environnement de la Protection de la nature et des Parcs (MEPP) ne peut pas garantir que les renseignements fournis sont à jour, exacts, complets et exempts d'erreurs. L'utilisateur qui se fie à ces renseignements le fait à ses seuls risques.

## Jeremy Camposarcone

---

**From:** Public Information Services <publicinformationservices@tssa.org>  
**Sent:** October 12, 2022 2:51 PM  
**To:** Jeremy Camposarcone  
**Subject:** RE: Records Search Request - PE5894

**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,

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 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](mailto: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,  
Kim



**Public Information Agent**  
Facilities and Business Services  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)  
[www.tssa.org](http://www.tssa.org)



---

**From:** Jeremy Camposarcone <[JCamposarcone@patersongroup.ca](mailto:JCamposarcone@patersongroup.ca)>  
**Sent:** October 12, 2022 1:51 PM  
**To:** Public Information Services <[publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)>  
**Subject:** Records Search Request - PE5894

**[CAUTION]:** This email originated outside the organisation.  
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

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

Borrisokane Road: 3555, 3535, 3545, 3345, 3387, 3550, 3420;  
Cambrian Road: 4030.

Best Regards,



**Jeremy Camposarcone, B.Eng.**  
Junior Environmental Engineer  
TEL: (613)-226-7381  
CELL: (343)-999-7255  
9 AURIGA DRIVE  
OTTAWA ON K2E 7T9  
[patersongroup.ca](http://patersongroup.ca)

EXPLORE THE POSSIBILITIES WITH US AND VISIT OUR REFRESHED WEBSITE TODAY.

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



**Office Use Only**

|                                    |                    |   |
|------------------------------------|--------------------|---|
| Application Number: _____          | Ward Number: _____ | Application Received: (dd/mm/yyyy): _____ |
| Client Service Centre Staff: _____ | Fee Received: \$   | <input type="text"/>                      |



# 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:**

*\* Mandatory Field*

### Applicant/Agent Information:

Name:

Mailing Address:

Telephone:  Email Address:

### Registered Property Owner Information:

Same as above

Name:

Mailing Address:

Telephone:  Email Address:

## Site Details

Legal Description  
and PIN:

What is the land  
currently used for?

Lot frontage:  m    Lot depth:  m    Lot area: \_\_\_\_\_ m<sup>2</sup>

**OR**    Lot area: (irregular lot)  m<sup>2</sup>

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

## 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 \_\_\_\_\_ ("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: Jeremy Camposarcone

Dated (dd/mm/yyyy): \_\_\_\_\_

Per: \_\_\_\_\_  
(Please print name)

Title: \_\_\_\_\_

Company: \_\_\_\_\_



---

# DATABASE REPORT

**Project Property:** *Phase I ESA  
3555 Borrisokane Road  
Nepean ON K2J 0T2*

**Project No:** *P.O.55973/PE5894*

**Report Type:** *Standard Report*

**Order No:** *22101200449*

**Requested by:** *Paterson Group Inc.*

**Date Completed:** *October 17, 2022*

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

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

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# Executive Summary

## Property Information:

**Project Property:** *Phase I ESA  
3555 Borrisokane Road Nepean ON K2J 0T2*

**Project No:** *P.O.55973/PE5894*

## **Coordinates:**

**Latitude:** *45.2463424*  
**Longitude:** *-75.760265*  
**UTM Northing:** *5,010,597.62*  
**UTM Easting:** *440,336.82*  
**UTM Zone:** *18T*

**Elevation:** *304 FT  
92.64 M*

## Order Information:

**Order No:** *22101200449*  
**Date Requested:** *October 12, 2022*  
**Requested by:** *Paterson Group Inc.*  
**Report Type:** *Standard Report*

## Historical/Products:

**ERIS Xplorer** [\*ERIS Xplorer\*](#)

## Executive Summary: Report Summary

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

| <b>Database</b> | <b>Name</b>  | <b>Searched</b> | <b>Project Property</b> | <b>Within 0.25 km</b> | <b>Total</b> |
|-----------------|--|-----------------|-------------------------|-----------------------|--------------|
| INC             | <i>Fuel Oil Spills and Leaks</i>                                     | Y               | 0                       | 0                     | 0            |
| LIMO            | <i>Landfill Inventory Management Ontario</i>                         | Y               | 0                       | 0                     | 0            |
| MINE            | <i>Canadian Mine Locations</i>                                       | Y               | 0                       | 0                     | 0            |
| MNR             | <i>Mineral Occurrences</i>   | Y               | 0                       | 0                     | 0            |
| NATE            | <i>National Analysis of Trends in Emergencies System (NATES)</i>     | Y               | 0                       | 0                     | 0            |
| NCPL            | <i>Non-Compliance Reports</i>  | Y               | 0                       | 0                     | 0            |
| NDFT            | <i>National Defense &amp; Canadian Forces Fuel Tanks</i>             | Y               | 0                       | 0                     | 0            |
| NDSP            | <i>National Defense &amp; Canadian Forces Spills</i>                 | Y               | 0                       | 0                     | 0            |
| NDWD            | <i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>   | Y               | 0                       | 0                     | 0            |
| NEBI            | <i>National Energy Board Pipeline Incidents</i>                      | Y               | 0                       | 0                     | 0            |
| NEBP            | <i>National Energy Board Wells</i>                                   | Y               | 0                       | 0                     | 0            |
| NEES            | <i>National Environmental Emergencies System (NEES)</i>              | Y               | 0                       | 0                     | 0            |
| NPCB            | <i>National PCB Inventory</i>  | Y               | 0                       | 0                     | 0            |
| NPRI            | <i>National Pollutant Release Inventory</i>                          | Y               | 0                       | 0                     | 0            |
| OGWE            | <i>Oil and Gas Wells</i>   | Y               | 0                       | 0                     | 0            |
| OGW             | <i>Ontario Oil and Gas Wells</i>                                     | Y               | 0                       | 0                     | 0            |
| OPCB            | <i>Inventory of PCB Storage Sites</i>                                | Y               | 0                       | 0                     | 0            |
| ORD             | <i>Orders</i>  | Y               | 0                       | 0                     | 0            |
| PAP             | <i>Canadian Pulp and Paper</i>                                       | Y               | 0                       | 0                     | 0            |
| PCFT            | <i>Parks Canada Fuel Storage Tanks</i>                               | Y               | 0                       | 0                     | 0            |
| PES             | <i>Pesticide Register</i>  | Y               | 0                       | 0                     | 0            |
| PINC            | <i>Pipeline Incidents</i>  | Y               | 0                       | 0                     | 0            |
| PRT             | <i>Private and Retail Fuel Storage Tanks</i>                         | Y               | 0                       | 0                     | 0            |
| PTTW            | <i>Permit to Take Water</i>  | Y               | 0                       | 0                     | 0            |
| REC             | <i>Ontario Regulation 347 Waste Receivers Summary</i>                | Y               | 0                       | 0                     | 0            |
| RSC             | <i>Record of Site Condition</i>                                      | Y               | 0                       | 0                     | 0            |
| RST             | <i>Retail Fuel Storage Tanks</i>                                     | Y               | 0                       | 0                     | 0            |
| SCT             | <i>Scott's Manufacturing Directory</i>                               | Y               | 0                       | 0                     | 0            |
| SPL             | <i>Ontario Spills</i>  | Y               | 0                       | 0                     | 0            |
| SRDS            | <i>Wastewater Discharger Registration Database</i>                   | Y               | 0                       | 0                     | 0            |
| TANK            | <i>Anderson's Storage Tanks</i>                                      | Y               | 0                       | 0                     | 0            |
| TCFT            | <i>Transport Canada Fuel Storage Tanks</i>                           | Y               | 0                       | 0                     | 0            |
| VAR             | <i>Variances for Abandonment of Underground Storage Tanks</i>        | Y               | 0                       | 0                     | 0            |
| WDS             | <i>Waste Disposal Sites - MOE CA Inventory</i>                       | Y               | 0                       | 0                     | 0            |
| WDSH            | <i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i> | Y               | 0                       | 0                     | 0            |
| WWIS            | <i>Water Well Information System</i>                                 | Y               | 0                       | 0                     | 0            |
| <b>Total:</b>   |  |                 | 0                       | 1                     | 1            |



## Executive Summary: Site Report Summary - Project Property

| <i>Map<br/>Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Dir/Dist (m)</i> | <i>Elev diff<br/>(m)</i> | <i>Page<br/>Number</i> |
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|

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

## Executive Summary: Site Report Summary - Surrounding Properties

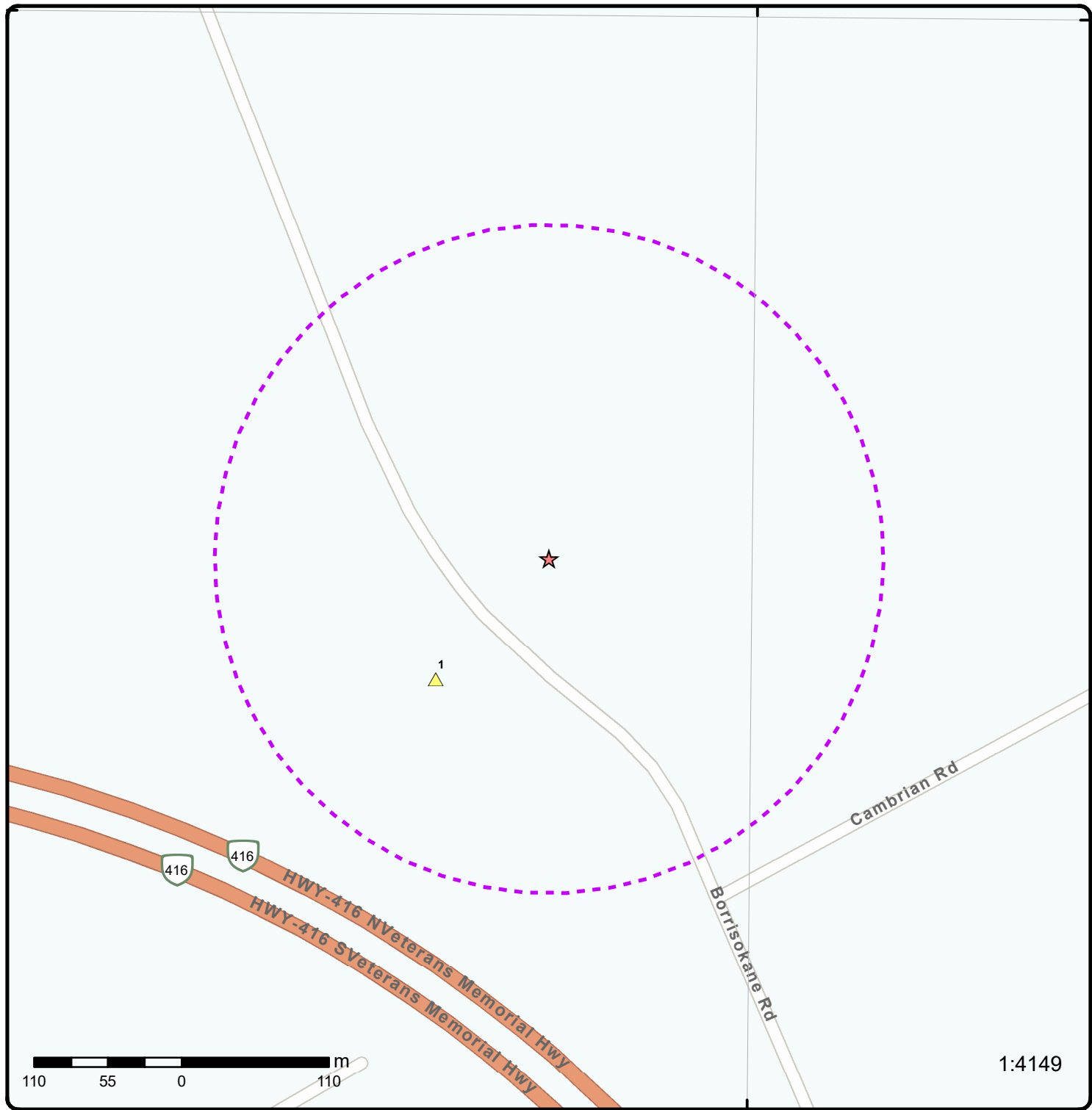
| <i>Map Key</i>    | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i>                         | <i>Dir/Dist (m)</i> | <i>Elev Diff (m)</i> | <i>Page Number</i> |
|-------------------|-----------|--------------------------|--|---------------------|----------------------|--------------------|
| <a href="#">1</a> | EHS       |                          | 3128 Moodie Drive<br>Nepean ON K2J 4S7 | SW/123.3            | 0.12                 | <a href="#">12</a> |

# Executive Summary: Summary By Data Source

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Equal/Higher Elevation</u></b> | <b><u>Address</u></b>                  | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|--------------------------------------|--|-------------------------|----------------------------|-----------------------|
|                                      | 3128 Moodie Drive<br>Nepean ON K2J 4S7 | SW                      | 123.34                     | <a href="#">1</a>     |



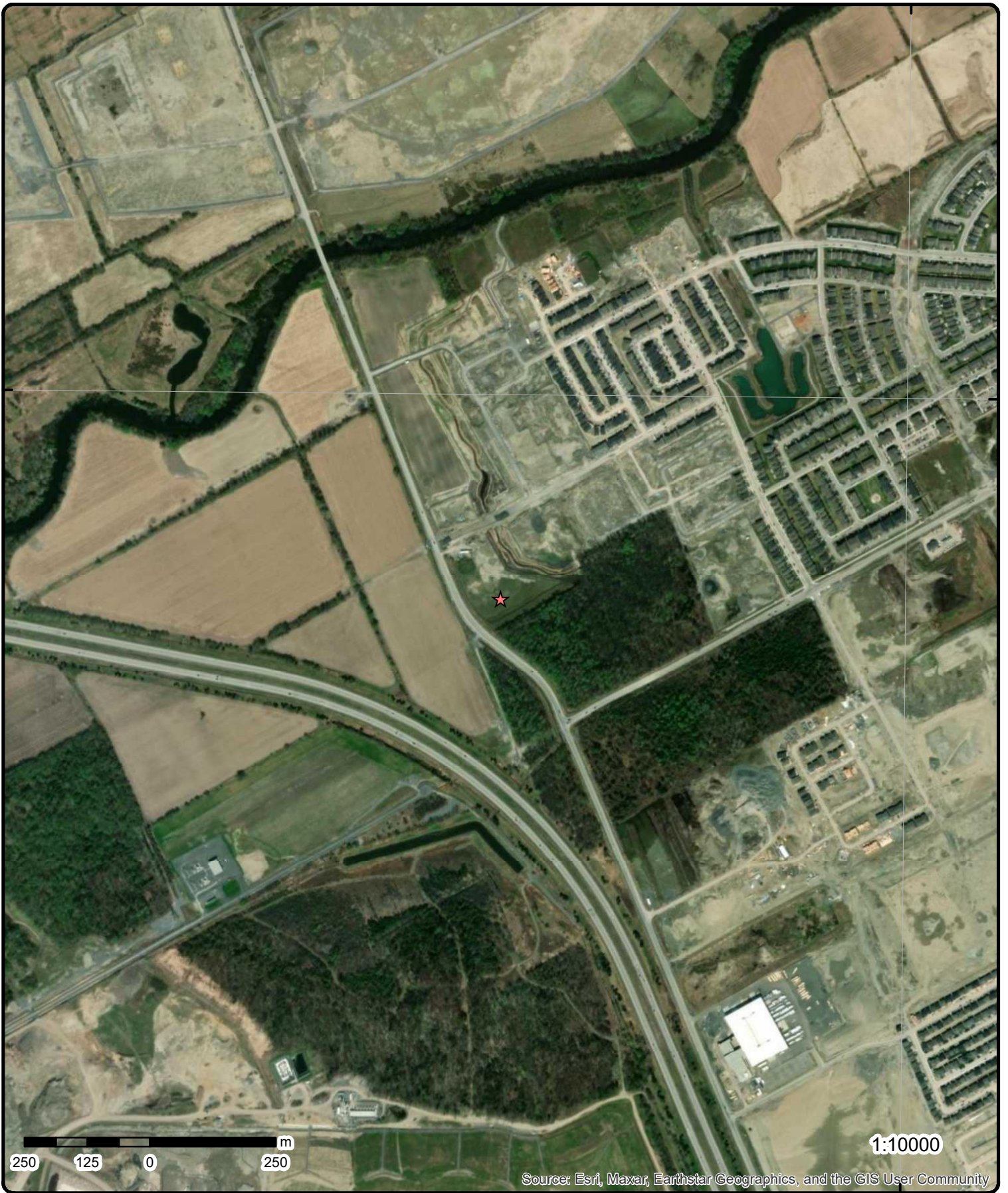
1:4149

### Map: 0.25 Kilometer Radius

Order Number: 22101200449  
Address: 3555 Borrisokane Road, Nepean, ON



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



**Aerial** Year: 2022

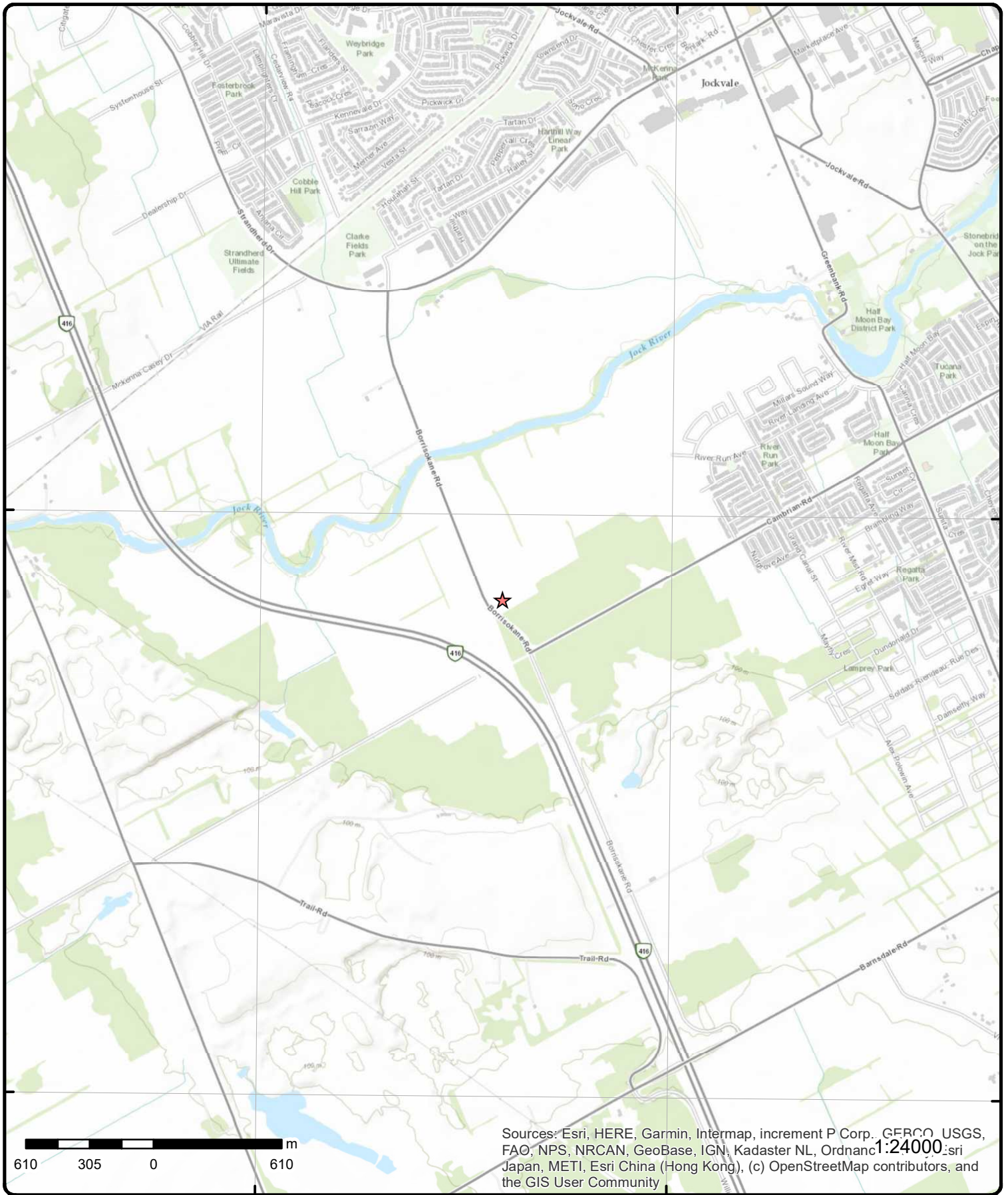
Order Number: 22101200449

**Address: 3555 Borrisokane Road, Nepean, ON**



Source: ESRI World Imagery

© ERIS Information Limited Partnership



# Topographic Map

Address: 3555 Borrisokane Road, ON

Source: ESRI World Topographic Map

Order Number: 22101200449



© ERIS Information Limited Partnership

# Detail Report

| <i>Map Key</i>                  | <i>Number of Records</i> | <i>Direction/ Distance (m)</i>                                    | <i>Elev/Diff (m)</i> | <i>Site</i>  | <i>DB</i>  |
|---------------------------------|--------------------------|---|----------------------|--|------------|
| <u>1</u>                        | 1 of 1                   | SW/123.3  | 92.8 / 0.12          | 3128 Moodie Drive<br>Nepean ON K2J 4S7             | <b>EHS</b> |
| <b>Order No:</b>                |                          | 20111209006   |                      | <b>Nearest Intersection:</b>                       |            |
| <b>Status:</b>                  |                          | C   |                      | <b>Municipality:</b> Geographic Township of Nepean |            |
| <b>Report Type:</b>             |                          | Standard Report   |                      | <b>Client Prov/State:</b> NC                       |            |
| <b>Report Date:</b>             |                          | 12/19/2011 10:45:21 AM  |                      | <b>Search Radius (km):</b> 0.25                    |            |
| <b>Date Received:</b>           |                          | 12/9/2011 10:45:22 AM   |                      | <b>X:</b> -75.761333                               |            |
| <b>Previous Site Name:</b>      |                          |   |                      | <b>Y:</b> 45.245528                                |            |
| <b>Lot/Building Size:</b>       |                          | 232.2 square meters   |                      |  |            |
| <b>Additional Info Ordered:</b> |                          | Fire Insur. Maps and/or Site Plans; Aerial Photos; City Directory |                      |  |            |

# Unplottable Summary

Total: 3 Unplottable sites

| DB   | Company Name/Site Name   | Address   | City      | Postal |
|------|--|---|-----------|--------|
| CA   | Morgan's Grant   | Part of Lot 11, Concession 3                          | Ottawa ON |        |
| LIMO | Pierces Corners Landfill The Corporation of the Township of Rideau City of | Ottawa Part of Lot 11, Concession 3 Ottawa            | ON        |        |
| PTTW | Mattamy (Half Moon Bay) Limited  | Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA | ON        |        |



# Unplottable Report

**Site:** *Morgan's Grant*  
*Part of Lot 11, Concession 3 Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 8692-54QSUG  
**Application Year:** 01  
**Issue Date:** 12/21/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Minto Developments Inc.  
**Client Address:** 427 Laurier Avenue West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K1R 7Y2  
**Project Description:** Stormwater management facility providing water quantity and quality control.  
**Contaminants:**  
**Emission Control:**

**Site:** *Pierces Corners Landfill The Corporation of the Township of Rideau City of Ottawa Part of Lot 11, Concession 3 Ottawa ON*

**Database:**  
*LIMO*

|                             |   |                             |  |
|-----------------------------|---|-----------------------------|--|
| <b>ECA/Instrument No:</b>   | A461201   | <b>Natural Attenuation:</b> |  |
| <b>Operation Status:</b>    | Closed  | <b>Liners:</b>              |  |
| <b>C of A Issue Date:</b>   |   | <b>Cover Material:</b>      |  |
| <b>C of A Issued to:</b>    |   | <b>Leachate Off-Site:</b>   |  |
| <b>Lndfl Gas Mgmt (P):</b>  |   | <b>Leachate On Site:</b>    |  |
| <b>Lndfl Gas Mgmt (F):</b>  |   | <b>Req Coll Lndfl Gas:</b>  |  |
| <b>Lndfl Gas Mgmt (E):</b>  |   | <b>Lndfl Gas Coll:</b>      |  |
| <b>Lndfl Gas Mgmt Sys:</b>  |   | <b>Total Waste Rec:</b>     |  |
| <b>Landfill Gas Mntr:</b>   |   | <b>TWR Methodology:</b>     |  |
| <b>Leachate Coll Sys:</b>   |   | <b>TWR Unit:</b>            |  |
| <b>ERC Est Vol (m3):</b>    |   | <b>Tot Aprv Cap Unit:</b>   |  |
| <b>ERC Volume Unit:</b>     |   | <b>Financial Assurance:</b> |  |
| <b>ERC Dt Last Det:</b>     |   | <b>Last Report Year:</b>    |  |
| <b>Landfill Type:</b>       |   | <b>Region:</b>              |  |
| <b>Source File Type:</b>    |   | <b>District Office:</b>     |  |
| <b>Fill Rate:</b>           |   | <b>Site County:</b>         |  |
| <b>Fill Rate Unit:</b>      |   | <b>Lot:</b>                 |  |
| <b>Tot Fill Area (ha):</b>  |   | <b>Concession:</b>          |  |
| <b>Tot Site Area (ha):</b>  |   | <b>Latitude:</b>            |  |
| <b>Footprint:</b>           |   | <b>Longitude:</b>           |  |
| <b>Tot Aprv Cap (m3):</b>   |   | <b>Easting:</b>             |  |
| <b>Contam Atten Zone:</b>   |   | <b>Northing:</b>            |  |
| <b>Grndwtr Mntr:</b>        |   | <b>UTM Zone:</b>            |  |
| <b>Surf Wtr Mntr:</b>       |   | <b>Data Source:</b>         |  |
| <b>Air Emis Monitor:</b>    |   |                             |  |
| <b>Approved Waste Type:</b> |   |                             |  |
| <b>Client Site Name:</b>    |   |                             |  |
| <b>ERC Methodology:</b>     |   |                             |  |
| <b>Site Name:</b>           | Pierces Corners Landfill<br>The Corporation of the Township of Rideau<br>City of Ottawa |                             |  |

**Site Location Details:**  
**Service Area:**  
**Page URL:**

**Site:** *Mattamy (Half Moon Bay) Limited*  
*Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON*

**Database:**  
*PTTW*

**EBR Registry No:** 010-5959  
**Ministry Ref No:** 8783-7PCUC4  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** June 26, 2009  
**Proposal Date:** February 20, 2009  
**Year:** 2009  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Mattamy (Half Moon Bay) Limited  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9  
**Comment Period:**  
**URL:**

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

**Site Location Details:**

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA

## 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 - Aug 31, 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- Aug 31, 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 - Aug 31, 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- Aug 31, 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 / 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 is 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](http://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 - Aug 31, 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- Aug 31, 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 - Aug 31, 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-Aug 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**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

**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- Aug 31, 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**



## **Jeremy Camposarcone, B.Eng. Junior Environmental Engineer**

Jeremy joined Paterson Group in 2020 as part of the Environmental Group. Jeremy received his Bachelor of Engineering in Environmental Engineering from Carleton University in 2019. Jeremy completed his studies while researching water treatment processes for the wastewater effluent of a hydrothermal carbonization reactor. His responsibilities as a field engineer have brought him to various projects throughout the Ottawa-Valley. In his time with Paterson, Jeremy has been involved with residential and commercial development within Ottawa and the surrounding area. His scope of work consists of environmental investigation and reporting, field inspection, field testing, quality control and quality assurance.

### **EDUCATION**

Bachelor of Engineering in Environmental Engineering, 2019  
Carleton University  
Ottawa, Ontario

### **LICENCE/PROSSFEIONAL AFFILIATIONS**

PEO Engineer in Training

### **YEARS OF EXPERIENCE**

With Paterson: 2

### **OFFICE LOCATION**

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

### **SELECT LIST OF PROJECTS**

- PSPC, Confederation Heights Redevelopment, Ottawa, ON - Phase I and II ESA program for site redevelopment.
- Travelodge Hotel, Carling Avenue, Ottawa, ON – Remediation Program, Phase I and II ESA, Underground Storage Tank Pull and Remediation (Site Remediation Coordinator & Supervisor)
- Caivan Residential Development, Navan, ON - Large-Scale Remediation, Groundwater Monitoring, Phase I and II ESA, Remedial Action Plan (Site Remediation Coordinator & Supervisor)
- Rideau Centre Expansion, Ottawa, ON – Phase I and II ESA, Soil Remediation Program
- Ottawa Trainyards, Ottawa, ON - Large-Scale Remediation, Phase I and II ESA (Site Remediation Coordinator & Supervisor)
- Major Building, Downtown Ottawa, ON – Phase I and II ESA

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## **PROFESSIONAL EXPERIENCE**

2019 to present, **Junior Environmental Engineer, Paterson Group, Ottawa, Ontario**

- Conduct Phase I and Phase II - Environmental Site Assessments (ESAs), Soil and Groundwater Remediation Programs and the preparation of Records of Site Condition
- Manage excavation contractors to ensure soil quality control; daily reporting to project manager
- Present analytical test results, interpretations, assessments, recommendation and/or conclusion in a final technical report
- Oversee geotechnical investigations for test pitting on numerous proposed utility installations, residential and commercial developments.
- Conduct laboratory testing program of soils and water for detail recommendations
- Problem solving to complete analysis required
- Adapt to unforeseen on-site challenges and provide first-hand insights to help collaborate toward a solution
- Oversee large-scale remediation projects and monitor material being excavated
- Monitor and sample multiple groundwater wells with a high degree of precision regarding the quality and parameters of the sample
- On-site settlement plate surveying of future residential developments

## Mark S. D'Arcy, P.Eng., QP<sup>ESA</sup> Senior Environmental/Geotechnical Engineer

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

### EDUCATION

B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

### LICENCE/ PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

ESA Qualified Person with MECP

Ottawa Geotechnical Group

Consulting Engineers of Ontario

### YEARS OF EXPERIENCE

With Paterson: 30

### OFFICE LOCATION

154 Colonnade Road South,  
Nepean, Ontario, K2E 7J5

### SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario ( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario ( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario ( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario ( Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Riverview Development – Kingston, Ontario, Phase I ESA, Phase II ESA, and filing of an RSC in the MOECC Environmental Site Registry (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavagine (Senior Project Manager)
- Energy Services Acquisition Program–Modernization Project-Ottawa; Environmental Services (Senior Project Manager)



## **PROFESSIONAL EXPERIENCE**

May 2001 to present, **Manager of Environmental Division, Paterson Group Inc.,**  
Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, **Geotechnical and Environmental Engineer, Paterson Group Inc.,** Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.