Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

patersongroup

Phase I - Environmental Site Assessment

6165 Thunder Road
Ottawa, Ontario

Prepared For

Brofort Investments Inc.

February 28, 2022

Report: PE5631-1

Paterson Group Inc.

Consulting Engineers
154 Colonnade Road South
Ottawa (Nepean), Ontario
Canada K2E 7J5

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

TABLE OF CONTENTS

PAGE

EXECUTIVE SUMMARY ii
1.0 INTRODUCTION 1
2.0 PROPERTY INFORMATION 2
3.0 SCOPE OF INVESTIGATION 3
4.0 RECORDS REVIEW 4
4.1 General 4
4.2 Environmental Source Information 5
4.3 Physical Setting Sources 11
5.0 PERSONAL INTERVIEWS 14
6.0 SITE RECONNAISSANCE 15
6.1 General Requirements 15
6.2 Site Inspection Observations 15
7.0 REVIEW AND EVALUATION OF INFORMATION 18
7.1 Land Use History 18
7.2 Conceptual Site Model 18
8.0 CONCLUSIONS 21
9.0 STATEMENT OF LIMITATIONS 23
10.0 REFERENCES 24

List of Figures

Figure 1 – Key Plan
Figure 2 – Topographic Map
Drawing PE5631-1 – Site Plan
Drawing PE5631-2 – Surrounding Land Use Plan

List of Appendices

Appendix 1 Aerial Photographs
Site Photos

Appendix 2 MECP Freedom of Information Search Request
MECP Water Well Records
TSSA Correspondence
City of Ottawa HLUI Request Form
ERIS Database Report

Appendix 3 Qualifications of Assessors

EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Brofort Investments Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 6165 Thunder Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land. A review of select aerial photographs from the 1990's and early-2000's identified areas of potential soil disturbance on the Phase I Property, believed to be associated with the importation and placement of fill material from an unknown source. A Limited Phase II ESA was carried out by Paterson in March 2018 to determine the quality of the fill material present on-site. Based on the findings of the assessment, the fill material was found to comply with the selected site specific standards.

The surrounding lands were historically used for agricultural purposes, with some residential and commercial properties developed to the south of the Phase I Property, along Boundary Road. A retail fuel outlet was identified at 5336 Boundary Road, located approximately 25 m to the south of the Phase I Property, across Thunder Road. Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), this retail fuel outlet is not considered to represent an environmental concern with respect to the Phase I Property.

Presently, the Phase I Property is vacant and consists largely of grassland with occasional trees. No environmental concerns were identified with respect to the current use of the Phase I Property.

The surrounding lands within the Phase I Study Area consist of a combination of residential and commercial properties, as well as vacant land. The aforementioned retail fuel outlet remains active on the property to the south, however as previously stated, it is not considered to pose an environmental concern to the Phase I Property. No other environmental concerns were identified with respect to the current use of the neighbouring properties.

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

Recommendations

As previously noted, there is a significant volume of fill material present on the Phase I Property. If this soil is removed from the site during future site development, it will be subject to testing and other aspects of Ontario Regulation 406/19. Any future site development should try to achieve a zero balance cut/fill ratio, however, if this is not considered feasible then it is recommended that a soil quality testing program be carried out. More information on this subject can be provided upon request.

1.0 INTRODUCTION

At the request of Brofort Investments Inc., Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 6165 Thunder Road, in the City of Ottawa, Ontario. Henceforth, this property shall be referred to as 'The Phase I Property'. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Study Area as well as to identify any environmental concerns with the potential to have impacted the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Renaud Brault, of Brofort Investments Inc. Mr. Brault can be contacted via telephone at 613-746-8580.

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 153/04, as amended under the Environmental Protection Act, as well as CSA Z768-01 (reaffirmed 2016). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PROPERTY INFORMATION

Address:	6165 Thunder Road, Ottawa, Ontario;
Legal Description:	Part of Lot 1, Concession 9 (Ottawa Front), Formerly the Township of Gloucester, in the City of Ottawa, Ontario.
Location:	The Phase I Property is located on the northwest side of the intersection of Thunder Road and Boundary Road, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, appended to this report.
Latitude and Longitude:	45° 20' 46" N, 75° 26' 42" W.

Site Description:

Configuration:	Irregular.
Site Area:	1.65 hectares (approximate).
Zoning:	RC – Rural Commercial Zone.
Current Use:	The Phase I Property is currently vacant.
Services:	The Phase I Property and the surrounding area 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 Phase I Property and Study Area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the Phase I Property and Study Area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property and, if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01 (reaffirmed 2016);
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was deemed appropriate for defining the study area for this assignment, henceforth referred to as 'The Phase I Study Area'. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant distances away from the site.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land.

City of Ottawa Street Directories

City of Ottawa street directories, from 1986 to 2011, were reviewed for the general area of the Phase I Property as part of this assessment.

A review of the directories did not identify any listings for the Phase I Property during the time period reviewed.

The surrounding lands have historically been listed as a combination of residential and commercial properties. Potentially contaminating activities (PCAs) identified in the directories for properties located within the Phase I Study Area are summarized below in Table 1:

Table 1
City Directories – PCAs Identified Within Phase I Study Area

Address	Potentially Contaminating Activity (Years Listed)	Distance / Orientation from Site	Area of Potential Environmental Concern (Y / N)
Boundary Road			
5336 Boundary Road	Petro Canada (2000-2011) Hwy. 417 Boundary Road Shell Inc. (1992-2000)	25 m South	N

Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), as well as the known westerly flow of groundwater within the area, this retail fuel outlet is not considered to represent any environmental concern with respect to the Phase I Property.

Fire Insurance Plans

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

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records pertaining to the Phase I Property or for any properties situated within the Phase I Study Area.

MECP Waste Disposal Site Inventory

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

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

MECP Coal Gasification Plant Inventory

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

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

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment.

A review of the registry did not identify any Records of Site Condition (RSCs) filed for the Phase I Property or for any properties situated within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Ontario Inventory of PCB Storage Sites, April 1995"* was reviewed as part of this assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.

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

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties.

A response from the MECP had not been received by our firm prior to the issuance of this report.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property.

A response from the MECP had not been received by our firm prior to the issuance of this report.

MECP Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the Phase I Property.

A response from the MECP had not been received by our firm prior to the issuance of this report.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the Phase I Property.

A response from the MECP had not been received by our firm prior to the issuance of this report.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically, on February 23, and February 24, 2022, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as the neighbouring properties.

The response from the TSSA indicated that no records were identified pertaining to the Phase I Property.

The TSSA identified eleven records associated with a retail fuel outlet present at 5336 Boundary Road, located approximately 25 m to the south of the Phase I Property, across Thunder Road. Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), this retail fuel outlet is not considered to represent an environmental concern with respect to the Phase I Property.

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

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for areas of natural and scientific interest (ANSI) situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website.

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

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, *"Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa"*, was reviewed as part of this assessment. This document identifies the details and locations of all recorded active and closed landfill sites situated in the City of Ottawa.

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

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI) database for any environmental records pertaining to the Phase I Property as well as any properties situated within the Phase I Study Area.

A response from the City of Ottawa had not been received by our firm prior to the issuance of this report, however, a copy of the response will be forwarded to the client should it contain any pertinent information.

A copy of the submission request has been included in Appendix 2.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated February 25, 2022, was acquired and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area.

The complete ERIS report has been included in Appendix 2.

- *On-Site Records:*

The ERIS report did not identify any records associated with the Phase I Property.

- *Off-Site Records:*

The ERIS report identified 30 records associated with the properties situated within the Phase I Study Area.

The majority of these records appear to be associated with a retail fuel outlet present at 5336 Boundary Road, located approximately 25 m to the south of the Phase I Property. The records for this property largely describe the size and contents of the underground fuel storage tanks present on this site, however, it should be noted that no records of any spills or incidents were identified in the database.

Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), as well as the known westerly flow of groundwater within the area, this retail fuel outlet is not considered to represent any environmental concern with respect to the Phase I Property.

The remaining off-site records identified in the ERIS report are listed for properties which are situated at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to anticipated groundwater flow, and thus are not considered to pose an environmental concern to the Phase I Property.

Previous Engineering Reports

Prior to conducting this assessment, the following reports were reviewed:

- *"Phase I – Environmental Site Assessment, Vacant Land, 6165 Thunder Road, Ottawa, Ontario"*, prepared by Paterson Group Inc., dated March 2018.

According to the historical research completed as part of the assessment, the Phase I Property had never been formally developed and had historically existed as either agricultural or vacant land. A review of select aerial photographs from the 1990's and early-2000's identified areas of potential soil disturbance on the Phase I Property, believed to be associated with the importation and placement of fill material from an unknown source. Due to its unknown quality, this fill material was considered to represent an area of potential environmental concern with respect to the Phase I Property.

The surrounding lands were historically used for agricultural purposes, with some residential and commercial properties developed to the south of the Phase I Property, along Boundary Road. A retail fuel outlet was identified at 5336 Boundary Road, located approximately 25 m to the south of the Phase I Property, across Thunder Road. Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), this retail fuel outlet was not considered to represent any environmental concern with respect to the Phase I Property.

An inspection of the Phase I Property was carried out as part of the assessment to investigate the existing conditions of the site. At the time of the site inspection, the Phase I Property was observed to be vacant and covered with grassland, shrubs, and occasional trees. No environmental concerns were identified with respect to the existing conditions of the Phase I Property.

Based on the findings of the assessment, a Phase II ESA was recommended to address the potential environmental concerns associated with the importation and placement of fill material of unknown quality.

- *"Limited Phase II – Environmental Site Assessment, 6165 Thunder Road, Ottawa, Ontario"*, prepared by Paterson Group Inc., dated August 2018.

Based on the findings of the March 2018 Phase I ESA, a Limited Phase II ESA was carried out to address the potential environmental concerns associated with the presence of fill material of unknown quality on the Phase I Property.

The subsurface investigation for this assessment was carried out in July 2018 and consisted of the placement of six test pits (TP1-TP6) throughout the Phase I Property. The test pits were advanced using a backhoe, to depths ranging from 0.7 m to 2.2 m below the existing ground surface and terminated within the overburden upon encountering native soil material.

In general, the soil profile encountered in the test pits consisted of a layer of fill material (silty sand with traces of brick, blast rock, concrete, asphaltic concrete, plastic, and cobbles) extending to depths ranging from approximately 0.55 m to 1.30 m below the existing ground surface, over top of native silty sand, clayey silt, and sandy silt. Occasional fragments of construction/demolition debris was observed within the fill samples, however, no visual or olfactory signs of any petroleum hydrocarbon contaminated was noted.

Five samples of the fill material were submitted for laboratory testing of petroleum hydrocarbon fractions 1 through 4 (PHCs F_1-F_4); benzene, toluene, ethylbenzene, and xylenes (BTEX); and metals. Based on the analytical test results, all detected parameter concentrations were found to be in compliance with the selected MECP Table 2: Full Depth Generic Site Condition Standards for coarse grained soil in a potable groundwater condition for residential land use. The results also complied with the MECP Table 1: Full Depth Background Site Condition Standards, which are typically used to assess the potential for off-site disposal.

Based on the findings of the assessment, it was Paterson's opinion that the fill material present on the Phase I Property does not pose any environmental concern.

Given the low presence of various construction/demolition debris in the fill material, as well as the limited nature of the soil investigation, it was recommended that the fill material be further assessed prior to any off-site disposal.

4.3 Physical Setting Sources

Aerial Photographs

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and reviewed in approximate ten year intervals, beginning with the earliest available photograph.

Based on a review of these photographs, the following observations have been made:

1945 The Phase I Property and the surrounding lands appear to be vacant and used for agricultural purposes at this time. Boundary Road can be seen to the east of the Phase I Property.

1965 The Phase I Property remains largely unchanged since the time of the previous photograph, however, a small barn structure can be seen in the southeastern corner of the property. No significant changes are apparent with respect to the surrounding lands since the time of the previous photograph.

1976 The Phase I Property remains largely unchanged since the time of the previous photograph, however, the aforementioned barn structure in the southeastern corner property appears to have been demolished by the time of this photograph. No significant changes are apparent with respect to the surrounding lands since the time of the previous photograph, however, Thunder Road and the Highway No. 417 eastbound on/off-ramps can be seen to the west and north of the Phase I Property, respectively.

1991 The Phase I Property remains largely unchanged since the time of the previous photograph, however, some soil disturbance and fill placement can be seen in the southeastern corner of the property. A retail fuel outlet can be seen to the south of the Phase I Property, across Thunder Road.

2002 The Phase I Property remains largely unchanged since the time of the previous photograph, however, some soil disturbance and fill placement can be seen throughout the central and southern portions of the property. No significant changes are apparent with respect to the surrounding lands since the time of the previous photograph.

2011 The Phase I Property remains largely unchanged since the time of the previous photograph, however, some soil disturbance and fill placement can be seen in the southeastern corner of the property. No significant changes are apparent with respect to the surrounding lands since the time of the previous photograph.

2019 No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph. The Phase I Property and the surrounding lands appear in this photograph as they exist today.

Copies of the aerial photographs selected for review are included in Appendix 1.

Water Bodies

No water bodies are present on the Phase I Property.

The nearest water body with respect to the Phase I Property is an unnamed tributary of Bear Brook Creek, located approximately 25 m to the north.

Geological Maps

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

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of shale of the Carlsbad Formation, whereas the surficial geology consists largely of nearshore marine sediments (deltaic and estuarian deposits) with an overburden ranging in thickness from approximately 25 m to 50 m.

Topographic Maps

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

The topographic map indicates that the general elevation of the Phase I Property is approximately 76 m above sea level, while the regional topography within the greater area is depicted as sloping gradually downwards to the north, in the general direction of Mer Bleue Bog.

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

Physiographic Maps

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

According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: *"…the lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets."* The Phase I Property is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

MECP Water Well Records

A search of the MECP Well Records website was conducted as part of this assessment. This database provides information for all recorded water wells installed within the Province of Ontario.

A search of the database identified two well records situated within the Phase I Study Area. These records pertain to wells installed in 1990 and 2018 and used for either potable drinking water or groundwater monitoring purposes. While the lands surrounding the Phase I Property are largely serviced with municipal water infrastructure today, there is a potential for viable drinking water wells to remain in use within Phase I Study Area.

According to the recorded stratigraphic information in the well records, the overburden stratigraphy in the vicinity of the Phase I Property generally consists of a thin layer of sand underlain by silty clay over top of glacial till at deeper depths. Bedrock, consisting of interbedded shale and limestone, was generally encountered at an average depth of approximately 22 m below ground surface.

A select number of the aforementioned well records have been included in Appendix 2.

5.0 PERSONAL INTERVIEWS

Mr. Renaud Brault, a representative of Brofort Investments Inc., was contacted via email to respond to questioning about the history of the Phase I Property.

According to Mr. Brault, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land.

Mr. Brault was unaware of any potential environmental concerns associated with the Phase I Property or with any of the neighbouring properties situated within the Phase I Study Area.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was carried out for the Phase I Property on February 24, 2022, between 3:00 PM and 5:00 PM. Weather conditions were overcast, with a temperature of approximately -10 °C.

The site inspection was carried out by Mr. Nick Sullivan, from the Environmental Department of Paterson Group.

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

6.2 Site Inspection Observations

Site Description

The Phase I Property is currently vacant and consists predominantly of grassland and occasional mature trees. It should be noted that the Phase I Property was largely snow covered at the time of the site inspection, and as a result, a detailed assessment of the ground surface conditions could not be completed.

The site topography appears to be relatively flat, which is consistent with the greater regional topography. The Phase I Property is considered to be at grade with respect to the adjacent streets and the neighbouring properties.

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

A depiction of the Phase I Property is illustrated on *"Drawing PE5631-1 – Site Plan"*, in the Figures section of this report.

Buildings and Structures

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

Potential Environmental Concerns

❑ Fill Material

Based on a review of historical aerial photographs and previous engineering reports, it is known that a surficial layer of fill material is largely present throughout the majority of the Phase I Property. Due to the snowy conditions present at the time of the site inspection, a detailed inspection of the ground surface conditions could not be completed as part of this assessment.

Based on the findings of the previous 2018 Phase II ESA, this fill material is not considered to represent any potential environmental concern to the Phase I Property, however, given the low presence of various construction/demolition debris, as well as the limited nature of the soil investigation, it was recommended that the fill material be further assessed prior to any off-site disposal.

❑ Fuels and Chemical Storage

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

❑ Hazardous Materials and Unidentified Substances

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

❑ Polychlorinated Biphenyls (PCBs) and Transformer Oil

At the time of the site inspection, no electrical transformers or any other potential sources of PCBs or transformer oil were identified on the Phase I Property.

❑ Waste Management

At the time of the site inspection, no waste materials were observed to be generated, stored, or disposed of on the Phase I Property.

Neighbouring Properties

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

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

North: Vacant land, followed by the Highway No. 417 eastbound off-ramp;

South: Thunder Road, followed by a retail fuel outlet;

East: Boundary Road, followed by a commercial warehouse and distribution centre;

West: Thunder Road, followed by a residential dwelling and dense treed land.

An active retail fuel outlet was identified at 5336 Boundary Road, located approximately 25 m to the south of the Phase I Property, across Thunder Road. Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), as well as the known westerly flow of groundwater within the area, this retail fuel outlet was not considered to represent any environmental concern with respect to the Phase I Property.

The neighbouring land use within the Phase I Study Area is depicted on *"Drawing PE5631-2 – Surrounding Land Use Plan"*, in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land.

Potentially Contaminating Activities (PCAs)

Based on the findings of this Phase I ESA, no PCAs were identified on the Phase I Property.

Two PCAs were identified with respect to off-site properties situated within the Phase I Study Area. These PCAs are described as follows:

- 5336 Boundary Road (25 m south) – Existing retail fuel outlet.
- 5329 Boundary Road (50 m southeast) – Former salvage yard.

Based on their separation distances, as well as their inferred down-gradient or cross-gradient orientation with respect to anticipated groundwater flow, none of these PCAs are considered to pose any environmental concern to the Phase I Property.

Areas of Potential Environmental Concern (APECs)

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

Contaminants of Potential Concern (CPCs)

Based on the findings of this Phase I ESA, no CPCs were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of shale of the Carlsbad Formation, whereas the surficial geology consists largely of nearshore marine sediments (deltaic and estuarian deposits) with an overburden ranging in thickness from approximately 25 m to 50 m.

Groundwater is anticipated to be encountered within the overburden and flow in a westerly direction towards an unnamed tributary of Bear Brook Creek.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies or areas of natural and scientific interest are present on the Phase I Property.

The nearest water body with respect to the Phase I Property is an unnamed tributary of Bear Brook Creek, located approximately 25 m to the north.

Existing Buildings and Structures

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

Current and Future Property Use

The Phase I Property currently consists of vacant land.

It is our understanding that the Phase I Property is to be redeveloped for commercial purposes.

Drinking Water Wells

While the lands surrounding the Phase I Property are largely serviced with municipal water infrastructure today, there is a potential for viable drinking water wells to remain in use within Phase I Study Area.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist of a combination of residential and commercial properties, as well as vacant land.

Current land use is depicted on *"Drawing PE5631-2 – Surrounding Land Use Plan"*, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no potentially contaminating activities (PCAs) or areas of potential environmental concern (APECs) were identified on the Phase I Property.

Two PCAs were identified with respect to off-site properties situated within the Phase I Study Area. These PCAs are described as follows:

- 5336 Boundary Road (25 m south) – Existing retail fuel outlet.
- 5329 Boundary Road (50 m southeast) – Former salvage yard.

Based on their separation distances, as well as their inferred down-gradient or cross-gradient orientation with respect to anticipated groundwater flow, none of these PCAs are considered to pose any environmental concern to the Phase I Property.

Contaminants of Potential Concern

Based on the findings of this Phase I ESA, no CPCs were identified on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs or APECs associated with the Phase I Property.

The absence of any PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by Brofort Investments Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 6165 Thunder Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land. A review of select aerial photographs from the 1990's and early-2000's identified areas of potential soil disturbance on the Phase I Property, believed to be associated with the importation and placement of fill material from an unknown source. A Limited Phase II ESA was carried out by Paterson in March 2018 to determine the quality of the fill material present on-site. Based on the findings of the assessment, the fill material was found to comply with the selected site specific standards.

The surrounding lands were historically used for agricultural purposes, with some residential and commercial properties developed to the south of the Phase I Property, along Boundary Road. A retail fuel outlet was identified at 5336 Boundary Road, located approximately 25 m to the south of the Phase I Property, across Thunder Road. Based on the separation distance between the Phase I Property and the location of the underground fuel storage tank nest on this site (approximately 75 m), this retail fuel outlet is not considered to represent an environmental concern with respect to the Phase I Property.

Presently, the Phase I Property is vacant and consists largely of grassland with occasional trees. No environmental concerns were identified with respect to the current use of the Phase I Property.

The surrounding lands within the Phase I Study Area consist of a combination of residential and commercial properties, as well as vacant land. The aforementioned retail fuel outlet remains active on the property to the south, however as previously stated, it is not considered to pose an environmental concern to the Phase I Property. No other environmental concerns were identified with respect to the current use of the neighbouring properties.

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

Recommendations

As previously noted, there is a significant volume of fill material present on the Phase I Property. If this soil is removed from the site during future site development, it will be subject to testing and other aspects of Ontario Regulation 406/19. Any future site development should try to achieve a zero balance cut/fill ratio, however, if this is not considered feasible then it is recommended that a soil quality testing program be carried out. More information on this subject can be provided upon request.

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 generally meets the requirements of CSA Z768-01 (reaffirmed 2016). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

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

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

Paterson Group Inc.

Nick Sullivan, B.Sc.

LICENSED PROFESSIONAL ENGINEER
M. S. D'ARCY
90377839
PROVINCE OF ONTARIO

Mark S. D'Arcy, P.Eng., QP_{ESA}

Report Distribution:

- Brofort Investments Inc.
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

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

Provincial Records

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

Municipal Records

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

Local Information Sources

- ❒ Personal Interviews.

Public Information Sources

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

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5631-1 – SITE PLAN

DRAWING PE5631-2 – SURROUNDING LAND USE PLAN

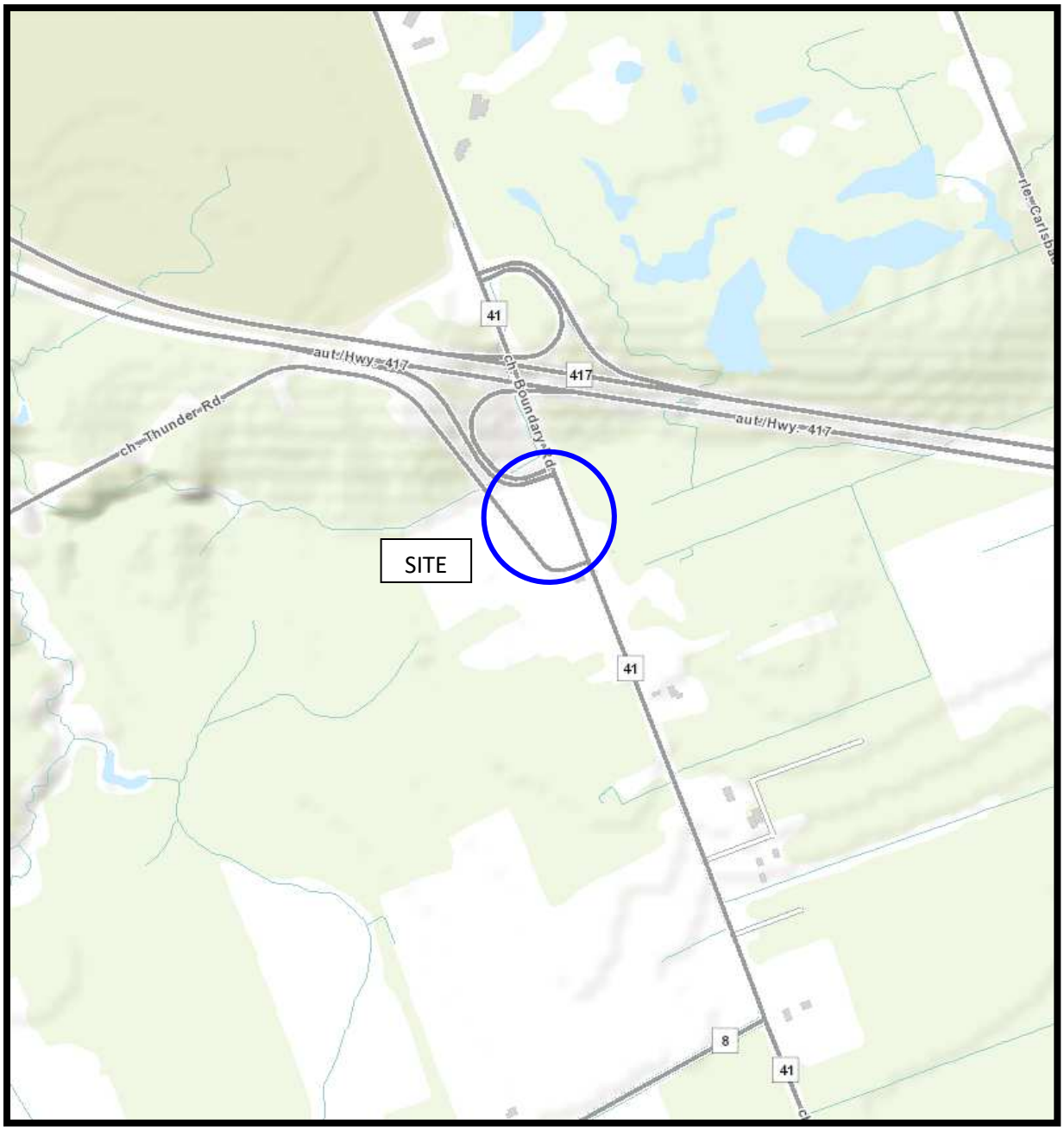


FIGURE 1

KEY PLAN

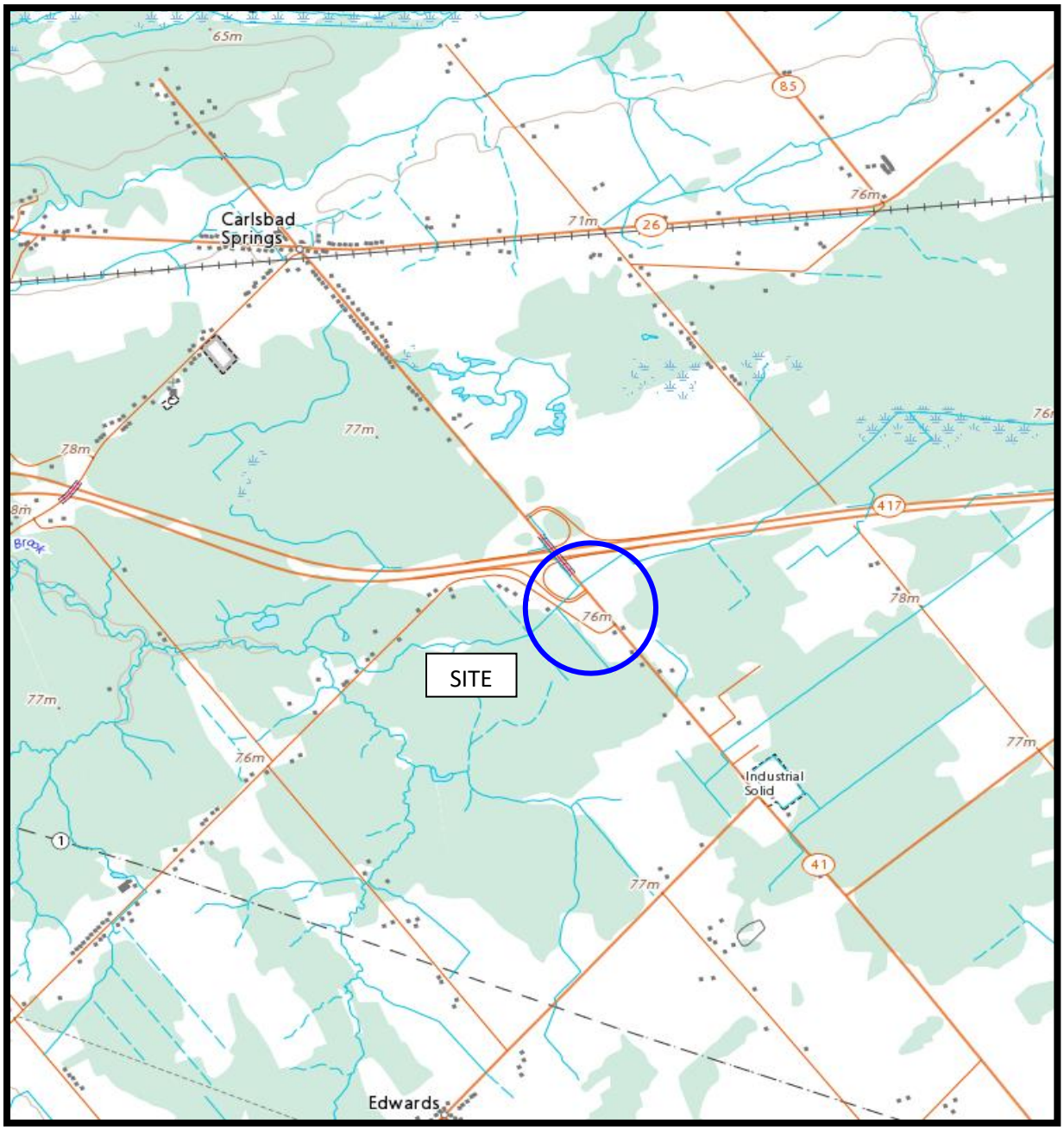
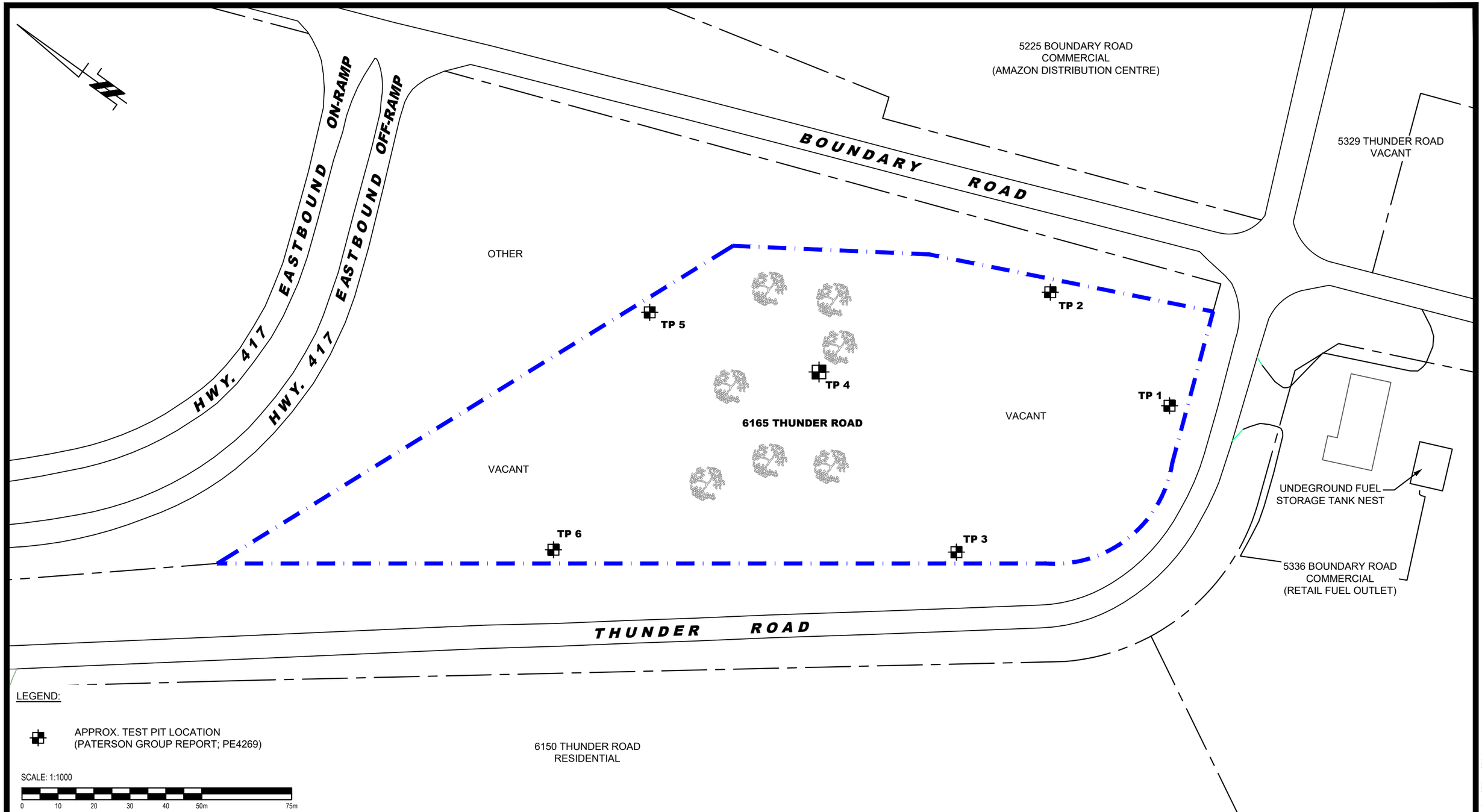


FIGURE 2

TOPOGRAPHIC MAP



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

BROFORT INVESTMENTS INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
6165 THUNDER ROAD

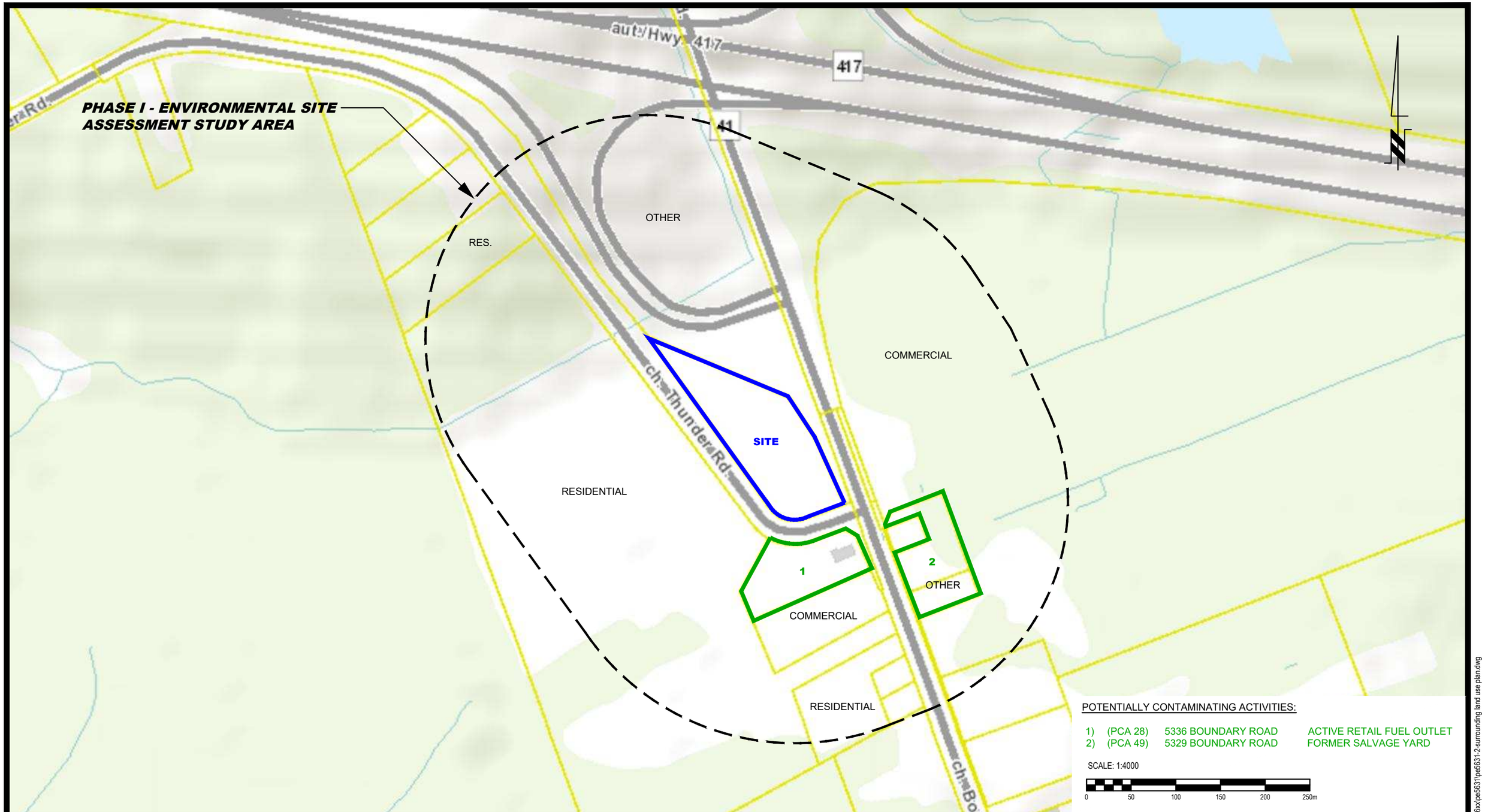
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:1000	Date: 03/2022
Drawn by: YA	Report No.: PE5631-1
Checked by: NS	Dwg. No.: PE5631-1
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe56xx\pe5631\pe5631-1-site plan.dwg



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

BROFORT INVESTMENTS INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
6165 THUNDER ROAD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

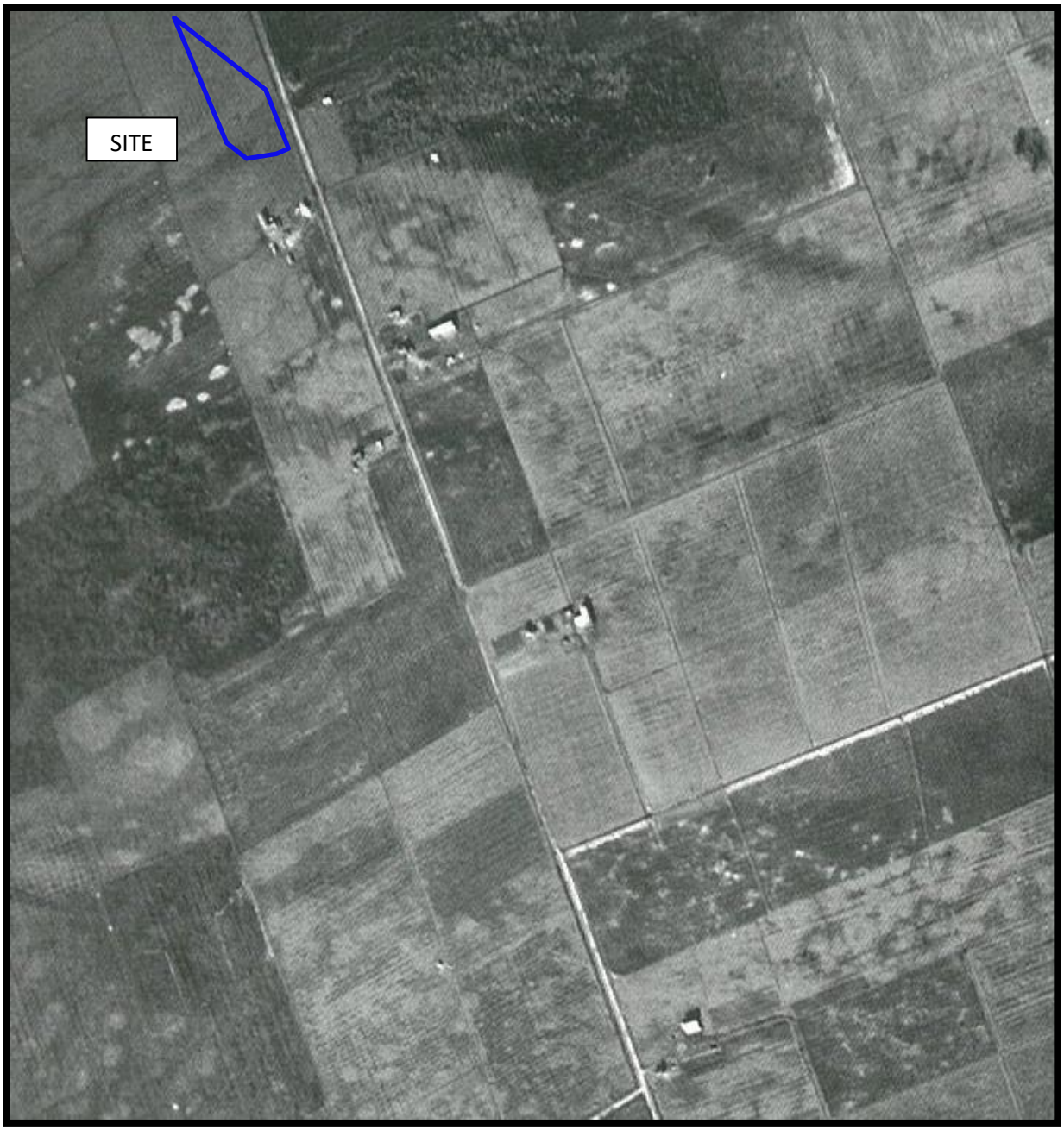
Scale: 1:4000	Date: 03/2022
Drawn by: YA	Report No.: PE5631-1
Checked by: NS	Dwg. No.: PE5631-2
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe56xx\pe5631\pe5631-2-surrounding land use plan.dwg

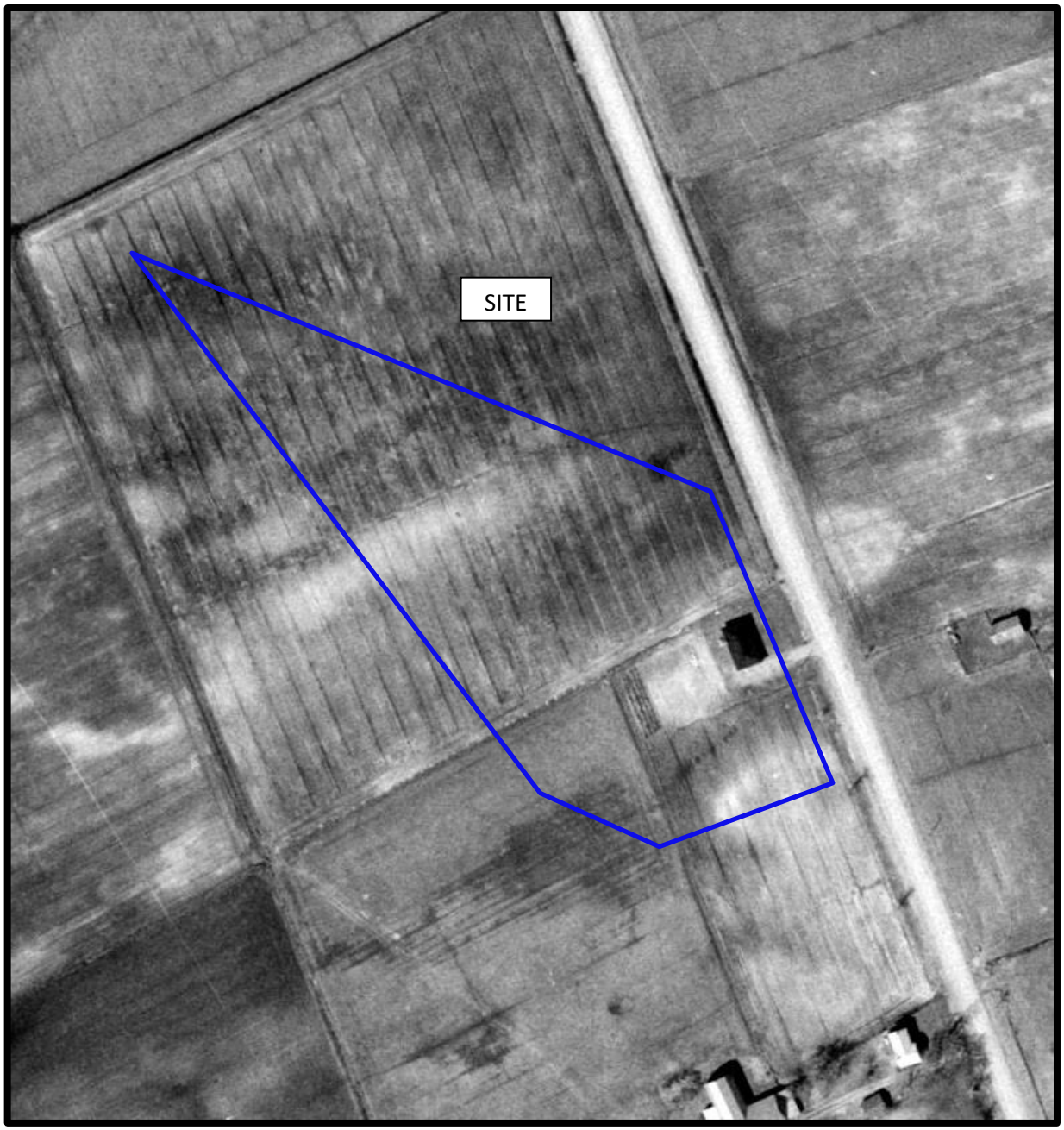
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

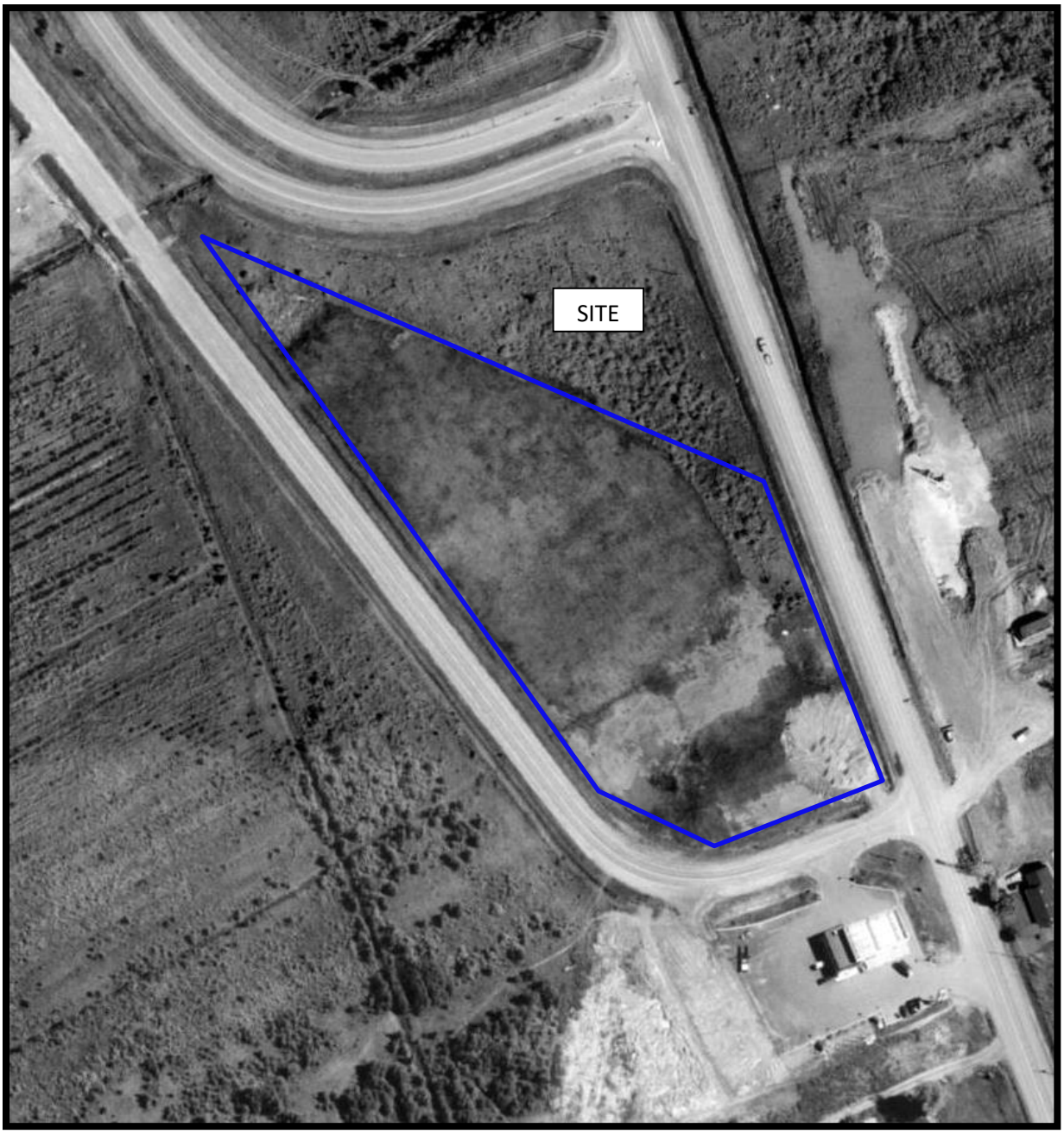


AERIAL PHOTOGRAPH
1945



AERIAL PHOTOGRAPH
1965

AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1991

AERIAL PHOTOGRAPH
2002

AERIAL PHOTOGRAPH
2011

patersongroup

AERIAL PHOTOGRAPH
2019

patersongroup

Site Photographs

PE5631-1 6165 Thunder Road, Ottawa, Ontario February 24, 2022

Photograph 1: View of the northern portion of the Phase I Property, facing southeast from Thunder Road.

Photograph 2: View of the western portion of the Phase I Property, facing northeast from Thunder Road.

Photograph 3: View of the southern portion of the Phase I Property, facing north from Thunder Road.

Photograph 4: View of the eastern portion of the Phase I Property, facing west from Boundary Road.

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI SEARCH REQUEST

ERIS DATABASE REPORT

Ontario

Ministry of Environment and Energy

Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data

Name, Company Name, Mailing Address and Email Address of Requester

Nick Sullivan
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5
Email address: nsullivan@patersongroup.ca

Telephone/Fax Nos.

Tel. 613-226-7381
Fax 613-226-6344

Your Project/Reference No.

PE5631

Signature/Print /Name of Requester

Nick Sullivan

For Ministry Use Only

FOI Request No.

Date Request Received

Fee Paid

☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH

☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR
☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

6165 Thunder Road, Ottawa, Ontario

Present Property Owner(s) and Date(s) of Ownership

Go 4 It Investments Inc.

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters

Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	all
Orders	all
Spills	all
Investigations/prosecutions ➤ Owner **AND** tenant information must be provided	all
Waste Generator number/classes	all

Certificates of Approval ➤ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, reports, etc.

	SD	Specify Year(s) Requested
air - *emissions*		1986-present
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*		1986-present
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*		1986-present
waste water - *industrial discharges*		1986-present
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator*sites		1986-present
waste systems - *PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste*		1986-present
pesticides - *licenses*		1986-present

A $5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is $30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of $30.00.

Ministry of the Environment
Ontario

OTTAWA - CARLETON

The Ontario Water Resources Act

WATER WELL RECORD

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

11 | 1525164 | MUNICIP 15002 | CON. CON 09

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	[redacted]ocester	9	1

DATE COMPLETED: DAY 3 MO 5 YR 90

[redacted]lesbad Springs

RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Yellow	Sand	Loam	Loose	0	2
Blue	Clay		Dense	2	70
Grey	Till		Packed	70	77
Grey	Limestone		Layered	77	100

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
95	1 ☐ FRESH 2 ☐ SALTY 3 ☒ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	77
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		77	100
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
2	77	Clay

71 PUMPING TEST

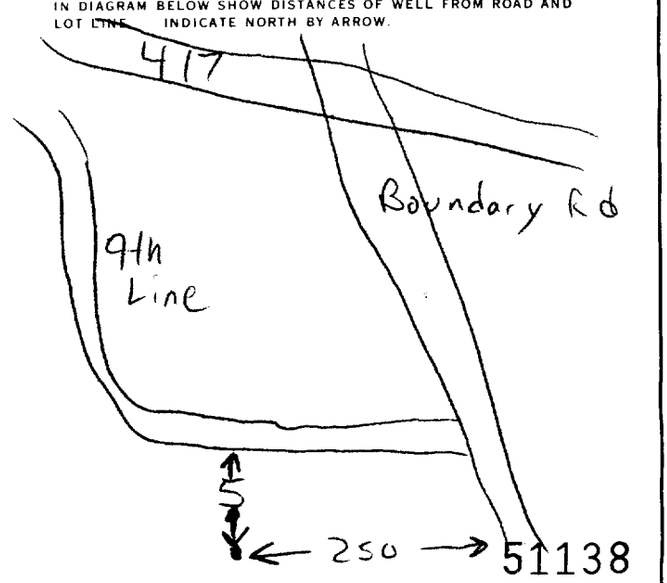
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	25 GPM	1 HOURS 0 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY) 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
6 FEET	40 FEET	16 FEET	26 FEET	36 FEET	40 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	40 FEET	1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP	RECOMMENDED PUMP SETTING 40 FEET	RECOMMENDED PUMPING RATE 25 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE
1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☒ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Roy's LBR Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 4609
ADDRESS: Cornwall
NAME OF WELL TECHNICIAN: Roger Rox
WELL TECHNICIAN'S LICENCE NUMBER: T-0330
SIGNATURE OF TECHNICIAN/CONTRACTOR
SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 4609 | DATE RECEIVED DEC 04 1990
DATE OF INSPECTION | INSPECTOR
REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

Well Tag No. (Tag#: A 236242) A 236242

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Boundry Road Development Inc.	N/A	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
16766 Transcanadienne Suite 500	Kirland	Qc.	H9H4M7	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
5371 Boundry Road	Cumberland	21	11

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa	Carlsbad Spring	Ontario	

UTM Coordinates NAD 83	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	465300	5021483		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Brown	Fill	clay, Stone	Hard	0	1.8
Brown	clay	Silt	Hard	1.8	3.9
Grey	clay		SoST	3.9	21.0
Grey	gravel	Silt, Sand	packed	21.0	~~60.96~~ 22.25
Grey	shale		layered	22.25	60.96

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	24.99	cement grout	1.5 m^3

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
15.55	Steel	.48	4.6	24.99
15.32	Open Hole		24.99	60.96

Construction Record - Screen

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

Status of Well

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

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☒ Other, *specify* cloud

If pumping discontinued, give reason:

Pump intake set at (m/ft): 60

Pumping rate (l/min / GPM): 42

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 5.75

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft): 58

Recommended pump rate (l/min / GPM): 66

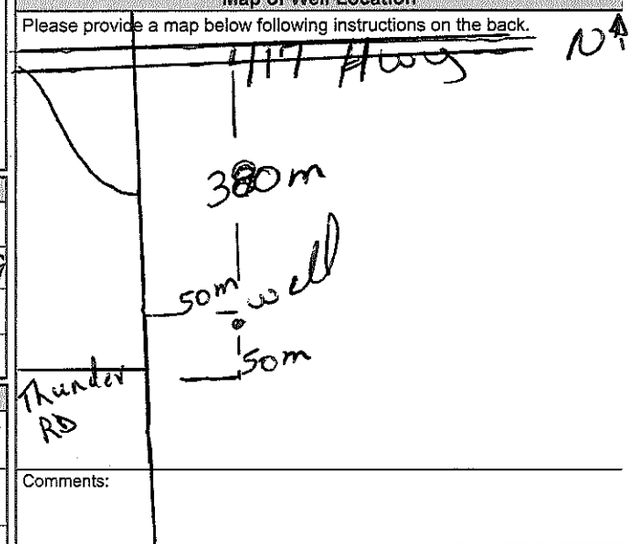
Well production (l/min / GPM): 75

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	3.83		5.75
1	4.42	1	4.64
2	4.61	2	4.36
3	4.75	3	4.26
4	4.78	4	4.23
5	4.79	5	4.18
10	4.96	10	4.10
15	5.16	15	4.03
20	5.24	20	3.95
25	5.31	25	3.89
30	5.32	30	3.85
40	5.62	40	3.83
50	5.70	50	3.83
60	5.75	60	3.83

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Water Details

Water found at Depth (m/ft)	Kind of Water	
27	☐ Fresh ☒ Untested	☐ Gas ☐ Other, *specify* _____
52	☐ Fresh ☒ Untested	☐ Gas ☐ Other, *specify* _____
	☐ Fresh ☐ Untested	☐ Gas ☐ Other, *specify* _____

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	24.99	24.9
24.99	60.9	

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Bourgeois Well Drilling Ltd.	7417

Business Address (Street Number/Name)	Municipality
14245 Conc. 10-11	Cayler

Province	Postal Code	Business E-mail Address
On	K0A1R0	N/A

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6139875291	GENIER, MICHAEL

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2493		2018 03 26

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2018 03 27	2018 03 23

Ministry Use Only

Audit No. Z276189

MAY 07 2018

Received

0506E (2014/11) Ministry's Copy

© Queen's Printer for Ontario, 2014

Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: February 23, 2022 4:39 PM
To: Nick Sullivan
Subject: RE: Records Search Request (PE5631)

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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,

Sherees

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
www.tssa.org

From: Nick Sullivan <NSullivan@patersongroup.ca>
Sent: February 23, 2022 11:39 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request (PE5631)

[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.

Good day,

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:

Thunder Road: 6140, 6150, 6165;
Boundary Road: 5225, 5329, 5336, 5348, 5384, 5383, 5393.

Thank you,

Nick Sullivan, B.Sc.

patersongroup

solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 208
Cell: (613) 913-3608

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.

Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: February 25, 2022 11:03 AM
To: Nick Sullivan
Subject: RE: Records Search Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are records in our database of fuel storage tanks at the subject addresses.

INSTANCE NUMBER	ADDRESS	CITY	PROVINCE	POSTAL CODE	STATUS	FACILIT
25665956	5336 BOUNDARY RD	CARLSBAD SPRINGS	ON	K0A 1K0	ACTIVE	FS LIQU
25665957	5336 BOUNDARY RD	CARLSBAD SPRINGS	ON	K0A 1K0	ACTIVE	FS LIQU
25665958	5336 BOUNDARY RD	CARLSBAD SPRINGS	ON	K0A 1K0	ACTIVE	FS LIQU
25665959	5336 BOUNDARY RD	CARLSBAD SPRINGS	ON	K0A 1K0	ACTIVE	FS LIQU
9831233	5336 BOUNDARY RD	CARLSBAD SPRINGS	ON	K0A 1K0	ACTIVE	FS GASC
10225749	5336 BOUNDARY RD	GLOUCESTER	ON	K0A 1K0	ACTIVE	FS CYLIN
10762658	5336 BOUNDARY RD	GLOUCESTER	ON	K0A 1K0	EXPIRED	FS LIQU
11285066	5336 BOUNDARY RD	GLOUCESTER	ON	K0A 1K0	EXPIRED	FS LIQU
11285094	5336 BOUNDARY RD	GLOUCESTER	ON	K0A 1K0	EXPIRED	FS LIQU
11285114	5336 BOUNDARY RD	GLOUCESTER	ON	K0A 1K0	EXPIRED	FS LIQU
11285130	5336 BOUNDARY RD	GLOUCESTER	ON	K0A 1K0	EXPIRED	FS LIQU

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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,

Mariah

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
www.tssa.org

From: Nick Sullivan <NSullivan@patersongroup.ca>
Sent: February 24, 2022 12:36 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request

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

Good day,

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

5336 Boundary Road, Carlsbad Springs, Ontario, K0A 1K0

Please Note: This address might alternatively be listed as 5536 Boundary Road, Ottawa, Ontario, K0A 1K0 or as 5536 Boundary Road, Navan, Ontario, K0A 1K0. Please check this address for all aforementioned municipalities (Carlsbad Springs, Ottawa, and Navan). There is a gas station on this property, so I would expect there to be some records available in the TSSA database.

Thank you,

Nick Sullivan, B.Sc.

patersongroup

solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 208
Cell: (613) 913-3608

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

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

Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business 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:** *6165 Thunder Road*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Paterson Group Inc.*		
Mailing Address:	*154 Colonnade Road South, Ottawa, ON, K2E 7J5*		
Telephone:	*613-226-7381*	Email Address:	*nsullivan@patersongroup.ca*

Registered Property Owner Information: ☐ Same as above

Name:	*Go 4 It Investments Inc.*		
Mailing Address:			
Telephone:		Email Address:	*rbrault@brofort.com*

Site Details

Legal Description and PIN:	*Part of Lot 1, Concession 9 (Ottawa Front), Formerly the Township of Gloucester, in the City of Ottawa, Ontario*
What is the land currently used for?	*The property is currently vacant.*

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

OR Lot area: (irregular lot) 16,500 m²

Does the site have Full Municipal Services: ○ Yes ◉ No

Required Fees

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

Planning Fee ~~$102.00~~ $132.00

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.

2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.

3. A site plan or key plan of the property, its location and particular features.

4. Any significant dates or time frames that you would like researched.

Disclaimer
For use with HLUI Database

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

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

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: N. Sullivan

Dated (dd/mm/yyyy): 24/02/2022

Per: Nick Sullivan

(Please print name)

Title: Environmental Geoscientist

Company: Paterson Group Inc.

patersongroup

Consulting Engineers

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science

www.patersongroup.ca

February 23, 2022
File: PE5631-HLUI

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

Subject: **Authorization Letter: HLUI Search**
Phase I - Environmental Site Assessment
6165 Thunder Road
Ottawa, Ontario

Dear Sir or Madam,

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

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

Name of Company/Property Owner: Brofort Investments Inc

Name of Representative Renaud Brault

Authorization of Representative

Date Feb 23rd 2022

DATABASE REPORT

Project Property:	*Phase I ESA* *6165 Thunder Road* *Carlsbad Springs ON K0A 1K0*
Project No:	*PE5631*
Report Type:	*Standard Report*
Order No:	*22022200758*
Requested by:	*Paterson Group Inc.*
Date Completed:	*February 25, 2022*

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

Table of Contents

Table of Contents....2
Executive Summary....3
Executive Summary: Report Summary....4
Executive Summary: Site Report Summary - Project Property....6
Executive Summary: Site Report Summary - Surrounding Properties....7
Executive Summary: Summary By Data Source....10
Map....14
Aerial....15
Topographic Map....16
Detail Report....17
Unplottable Summary....35
Unplottable Report....37
Appendix: Database Descriptions....99
Definitions....108

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.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property:	*Phase I ESA* *6165 Thunder Road Carlsbad Springs ON K0A 1K0*
Project No:	*PE5631*

Coordinates:

Latitude:	*45.34606*
Longitude:	*-75.44486*
UTM Northing:	*5,021,490.69*
UTM Easting:	*465,149.93*
UTM Zone:	*18T*

Elevation:	*229 FT* *69.88 M*

Order Information:

Order No:	*22022200758*
Date Requested:	*February 22, 2022*
Requested by:	*Paterson Group Inc.*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	1	1
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	5	5
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	5	5
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	10	10
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	4	4
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	1	1
		Total:	0	30	30

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		5371 BOUNDRY RD con 11 ON ***Well ID:*** 7310678	E/150.3	4.00	17
2	RST	HWY 417 BOUNDARY ROAD SUNOCO INC	5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	SSE/155.5	5.81	24
2	RST	HWY 417 BOUNDARY ROAD SUNOCO	5336 BOUNDARY RD RR 1 CARLSBAD SPRINGS ON K0A 1K0	SSE/155.5	5.81	24
2	FSTH	4011350 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER ON	SSE/155.5	5.81	24
2	FSTH	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER ON	SSE/155.5	5.81	25
2	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	26
2	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	26
2	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	27
2	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	27
2	RST	PETRO CANADA SUNOCO	5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	SSE/155.5	5.81	28
2	RST	PETRO CANADA SUNOCO	5336 BOUNDARY RD RR 1 CARLSBAD SPRINGS ON K0A1K0	SSE/155.5	5.81	28
2	DTNK	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	DTNK	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	28
2	DTNK	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	29
2	DTNK	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	29
2	DTNK	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	29
2	FST		5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	SSE/155.5	5.81	29
2	FST	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	29
2	FST	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	30
2	FST	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	30
2	FST	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	31
2	FST	6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE/155.5	5.81	32
3	CA	Krzysztof Jablonski	5329 Boundary Road Ottawa ON	ESE/208.2	8.00	32
3	ECA	Krzysztof Jablonski	5329 Boundary Road Ottawa ON K4B 1P6	ESE/208.2	8.00	32

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	EASR	TAGGART CONSTRUCTION LIMITED	5329 BOUNDARY RD NAVAN ON K4B 1P6	ESE/208.2	8.00	33
3	EHS		5329 Boundary Road Ottawa Navan ON K4B 1P6	ESE/208.2	8.00	33
4	EHS		5348 Boundary Road Carlsbad Springs ON K0A 1K0	SE/211.2	8.05	33
4	EHS		5348 Boundary Road Carlsbad Springs ON K0A 1K0	SE/211.2	8.05	33
5	EHS		5329 Boundary Rd Navan ON K4B 1P6	ESE/211.9	8.00	34
5	EHS		5329 Boundary Rd Navan ON K4B 1P6	ESE/211.9	8.00	34

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Krzysztof Jablonski	5329 Boundary Road Ottawa ON	ESE	208.24	3

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated May 31, 2021 has found that there are 5 DTNK site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Jan 31, 2021 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
TAGGART CONSTRUCTION LIMITED	5329 BOUNDARY RD NAVAN ON K4B 1P6	ESE	208.24	3

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jan 31, 2021 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Krzysztof Jablonski	5329 Boundary Road Ottawa ON K4B 1P6	ESE	208.24	3

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	5329 Boundary Road Ottawa Navan ON K4B 1P6	ESE	208.24	3
	5348 Boundary Road Carlsbad Springs ON K0A 1K0	SE	211.19	4
	5348 Boundary Road Carlsbad Springs ON K0A 1K0	SE	211.19	4
	5329 Boundary Rd Navan ON K4B 1P6	ESE	211.90	5
	5329 Boundary Rd Navan ON K4B 1P6	ESE	211.90	5

FST - Fuel Storage Tank

A search of the FST database, dated May 31, 2021 has found that there are 10 FST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
SUNCOR ENERGY PRODUCTS PARTNERSHIP	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	SSE	155.50	2
	5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	SSE	155.50	2

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
4011350 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER ON	SSE	155.50	2
6151892 CANADA INC O/A GAS STN	5336 BOUNDARY RD GLOUCESTER ON	SSE	155.50	2

RST - Retail Fuel Storage Tanks

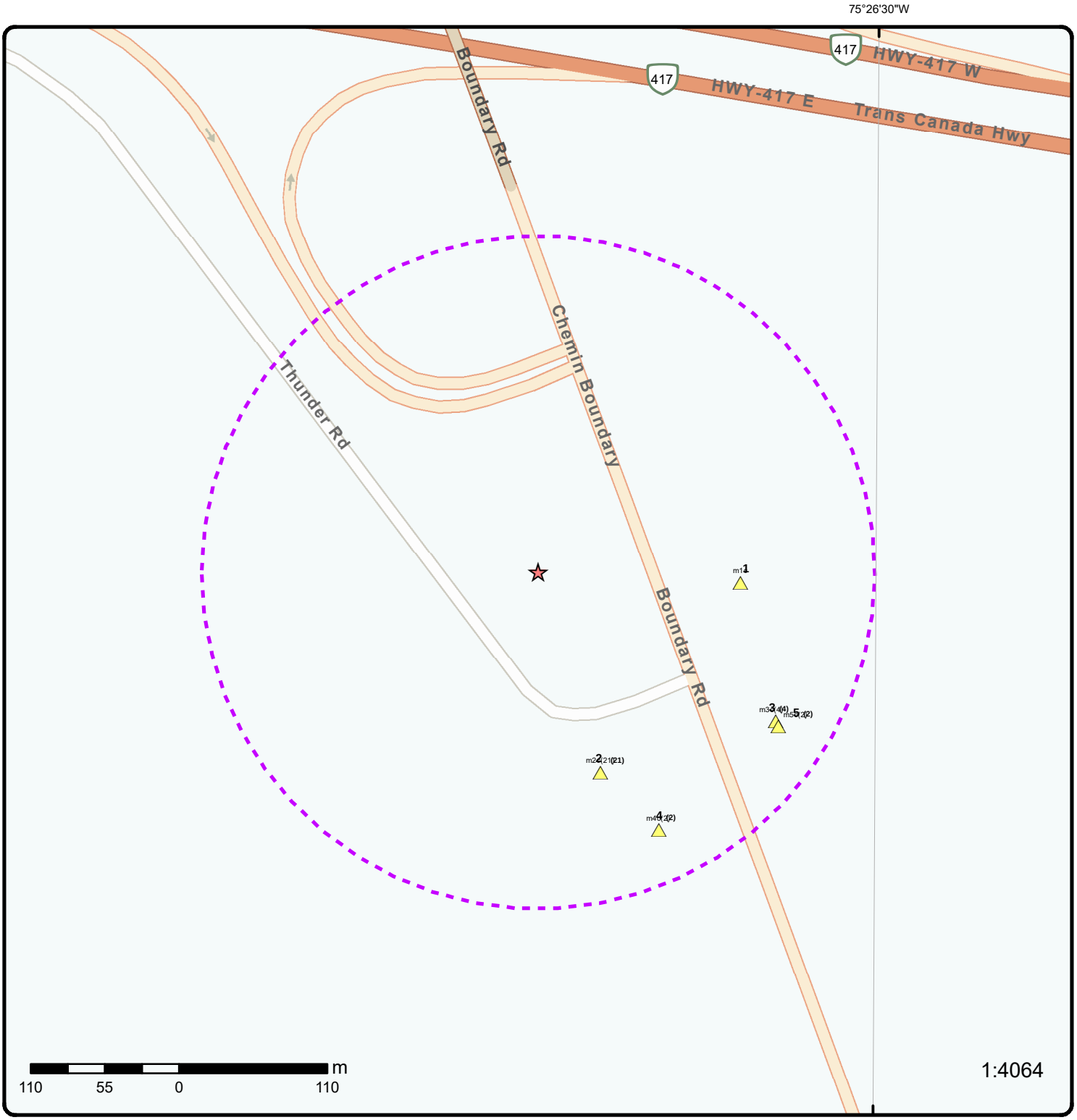
A search of the RST database, dated 1999-Sep 30, 2021 has found that there are 4 RST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
HWY 417 BOUNDARY ROAD SUNOCO INC	5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	SSE	155.50	2
HWY 417 BOUNDARY ROAD SUNOCO	5336 BOUNDARY RD RR 1 CARLSBAD SPRINGS ON K0A 1K0	SSE	155.50	2
PETRO CANADA SUNOCO	5336 BOUNDARY RD RR 1 CARLSBAD SPRINGS ON K0A1K0	SSE	155.50	2
PETRO CANADA SUNOCO	5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	SSE	155.50	2

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	5371 BOUNDRY RD con 11 ON ***Well ID:*** 7310678	E	150.27	1



Map: 0.25 Kilometer Radius

Order Number: 22022200758
Address: 6165 Thunder Road, Carlsbad Springs, ON

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

Source: © 2021 ESRI StreetMap Premium.

© ERIS Information Limited Partnership

75°27'W

45°21'N

45°21'N

Aerial

Year: 2020

Order Number: 22022200758

Address: 6165 Thunder Road, Carlsbad Springs, ON

Source: ESRI World Imagery

© ERIS Information Limited Partnership

Topographic Map

Order Number: 22022200758

Address: 6165 Thunder Road, ON

Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	E/150.3	73.9 / 4.00	5371 BOUNDRY RD con 11 ON	WWIS

Well ID:	7310678	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	5/7/2018
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7417
Casing Material:		**Form Version:**	7
Audit No:	Z276189	**Owner:**	
Tag:	A236242	**Street Name:**	5371 BOUNDRY RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/731\7310678.pdf

Additional Detail(s) (Map)

Well Completed Date:	2018/03/23
Year Completed:	2018
Depth (m):	60.96
Latitude:	45.3459981997719
Longitude:	-75.4429438964874
Path:	731\7310678.pdf

Bore Hole Information

Bore Hole ID:	1007045560	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	465300.00
Code OB Desc:		**North83:**	5021483.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	23-Mar-2018 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1007932856
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	0.0
Formation End Depth:	1.7999999523162842
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007932859
Layer:	4
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	06
Mat2 Desc:	SILT
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	21.0
Formation End Depth:	22.25
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007932858
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	3.9000000953674316
Formation End Depth:	21.0
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007932860
Layer:	5
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	74
Mat3 Desc:	LAYERED

Formation Top Depth:	22.25
Formation End Depth:	60.959999084472656
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007932857
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	1.7999999523162842
Formation End Depth:	3.9000000953674316
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007934217
Layer:	1
Plug From:	0.0
Plug To:	24.989999771118164
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007935455
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1007931624
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007935958
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.6000000238418579
Depth To:	24.989999771118164
Casing Diameter:	15.550000190734863
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	1007935959
Layer:	2

Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	24.989999771118164
Depth To:	60.689998626708984
Casing Diameter:	15.319999694824219
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pump Test ID:	1007937167
Pump Set At:	60.0
Static Level:	3.8299999237060547
Final Level After Pumping:	5.75
Recommended Pump Depth:	58.0
Pumping Rate:	42.0
Flowing Rate:	
Recommended Pump Rate:	66.0
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	3
Water State After Test:	OTHER
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1007940619
Test Type:	Draw Down
Test Duration:	10
Test Level:	4.960000038146973
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007940637
Test Type:	Recovery
Test Duration:	40
Test Level:	3.8299999237060547
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007940616
Test Type:	Draw Down
Test Duration:	3
Test Level:	4.75
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007940624
Test Type:	Draw Down
Test Duration:	40
Test Level:	5.619999885559082
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1007940631
Test Type: Recovery
Test Duration: 5
Test Level: 4.179999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940635
Test Type: Recovery
Test Duration: 25
Test Level: 3.890000104904175
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940638
Test Type: Recovery
Test Duration: 50
Test Level: 3.8299999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940618
Test Type: Draw Down
Test Duration: 5
Test Level: 4.789999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940620
Test Type: Draw Down
Test Duration: 15
Test Level: 5.190000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940633
Test Type: Recovery
Test Duration: 15
Test Level: 4.03000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940639
Test Type: Recovery
Test Duration: 60
Test Level: 3.8299999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940628
Test Type: Recovery
Test Duration: 2
Test Level: 4.360000133514404

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940617
Test Type: Draw Down
Test Duration: 4
Test Level: 4.78000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940626
Test Type: Draw Down
Test Duration: 60
Test Level: 5.75
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940630
Test Type: Recovery
Test Duration: 4
Test Level: 4.230000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940615
Test Type: Draw Down
Test Duration: 2
Test Level: 4.610000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940621
Test Type: Draw Down
Test Duration: 20
Test Level: 5.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940622
Test Type: Draw Down
Test Duration: 25
Test Level: 5.309999942779541
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940625
Test Type: Draw Down
Test Duration: 50
Test Level: 5.699999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940634
Test Type: Recovery
Test Duration: 20
Test Level: 3.950000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940614
Test Type: Draw Down
Test Duration: 1
Test Level: 4.420000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940623
Test Type: Draw Down
Test Duration: 30
Test Level: 5.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940627
Test Type: Recovery
Test Duration: 1
Test Level: 4.639999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940636
Test Type: Recovery
Test Duration: 30
Test Level: 3.8499999046325684
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940629
Test Type: Recovery
Test Duration: 3
Test Level: 4.260000228881836
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007940632
Test Type: Recovery
Test Duration: 10
Test Level: 4.099999904632568
Test Level UOM: m

Water Details

Water ID: 1007936654
Layer: 2
Kind Code: 8

Kind: Untested
Water Found Depth: 52.0
Water Found Depth UOM: m

Water Details

Water ID: 1007936653
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 21.0
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1007934824
Diameter: 24.899999618530273
Depth From: 0.0
Depth To: 24.989999771118164
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1007934825
Diameter:
Depth From: 24.989999771118164
Depth To: 60.900001525878906
Hole Depth UOM: m
Hole Diameter UOM:

2	1 of 21	SSE/155.5	75.7 / 5.81	HWY 417 BOUNDARY ROAD SUNOCO INC 5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A1K0	RST

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas
Phone: 6138226642
List Name:
Description:

2	2 of 21	SSE/155.5	75.7 / 5.81	HWY 417 BOUNDARY ROAD SUNOCO 5336 BOUNDARY RD RR 1 CARLSBAD SPRINGS ON K0A 1K0	RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS
Phone:
List Name:
Description:

2	3 of 21	SSE/155.5	75.7 / 5.81	4011350 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER ON	FSTH

License Issue Date: 4/12/2006
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Retail Fuel Outlet

Facility Type: Gasoline Station - Self Serve

--Details--

Status: Removed
Year of Installation: 1990
Corrosion Protection:
Capacity: 25000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Removed
Year of Installation: 1990
Corrosion Protection:
Capacity: 25000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Removed
Year of Installation: 1990
Corrosion Protection:
Capacity: 25000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Removed
Year of Installation: 1990
Corrosion Protection:
Capacity: 25000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Removed
Year of Installation: 1990
Corrosion Protection:
Capacity: 25000
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

2	4 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER ON	FSTH

License Issue Date: 1/21/2008 3:03:00 PM
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 2003
Corrosion Protection:
Capacity: 50000
Tank Fuel Type: Liquid Fuel Double Wall UST - Diesel

Status: Active
Year of Installation: 2003
Corrosion Protection:
Capacity: 50000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

Status: Active
Year of Installation: 2003
Corrosion Protection:
Capacity: 50000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

Status:	Active
Year of Installation:	2003
Corrosion Protection:	
Capacity:	50000
Tank Fuel Type:	Liquid Fuel Double Wall UST - Gasoline

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	5 of 21	SSE/155.5	75.7 / 5.81	SUNCOR ENERGY PRODUCTS PARTNERSHIP 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No:	25665956	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Diesel
Tank Type:	Double Wall UST	**Fuel Type2:**	NULL
Install Date:	5/20/2009	**Fuel Type3:**	NULL
Install Year:	2003	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	50000	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	FS Gasoline Station - Self Serve		
Facility Location:			
Device Installed Location:	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA		

Fuel Storage Tank Details

Owner Account Name:	SUNCOR ENERGY PRODUCTS PARTNERSHIP

Liquid Fuel Tank Details

Overfill Protection:	
Owner Account Name:	SUNCOR ENERGY PRODUCTS PARTNERSHIP
Item:	FS LIQUID FUEL TANK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	6 of 21	SSE/155.5	75.7 / 5.81	SUNCOR ENERGY PRODUCTS PARTNERSHIP 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No:	25665959	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Double Wall UST	**Fuel Type2:**	NULL
Install Date:	5/20/2009	**Fuel Type3:**	NULL
Install Year:	2003	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	50000	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	

Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location:
Device Installed Location: 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA

Fuel Storage Tank Details

Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP
Item: FS LIQUID FUEL TANK

2	7 of 21	SSE/155.5	75.7 / 5.81	SUNCOR ENERGY PRODUCTS PARTNERSHIP 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No:	25665958	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:	FS Liquid Fuel Tank	***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Double Wall UST	***Fuel Type2:***	NULL
Install Date:	5/20/2009	***Fuel Type3:***	NULL
Install Year:	2003	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	50000	***Num Underground:***	
Tank Material:	Fiberglass (FRP)	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	

Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location:
Device Installed Location: 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA

Fuel Storage Tank Details

Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP
Item: FS LIQUID FUEL TANK

2	8 of 21	SSE/155.5	75.7 / 5.81	SUNCOR ENERGY PRODUCTS PARTNERSHIP 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No:	25665957	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:	FS Liquid Fuel Tank	***Quantity:***	

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

Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Double Wall UST	***Fuel Type2:***	NULL
Install Date:	5/20/2009	***Fuel Type3:***	NULL
Install Year:	2003	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	50000	***Num Underground:***	
Tank Material:	Fiberglass (FRP)	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location:
Device Installed Location: 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA

Fuel Storage Tank Details

Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP
Item: FS LIQUID FUEL TANK

2	***9 of 21***	***SSE/155.5***	***75.7 / 5.81***	***PETRO CANADA SUNOCO*** ***5336 BOUNDARY RD*** ***CARLSBAD SPRINGS ON K0A1K0***	***RST***

Headcode: 01186800
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL GAS
Phone: 6138226642
List Name: INFO-DIRECT(TM) BUSINESS FILE
Description:

2	***10 of 21***	***SSE/155.5***	***75.7 / 5.81***	***PETRO CANADA SUNOCO*** ***5336 BOUNDARY RD RR 1*** ***CARLSBAD SPRINGS ON K0A1K0***	***RST***

Headcode: 01186800
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL
Phone: 6138226642
List Name:
Description:

2	***11 of 21***	***SSE/155.5***	***75.7 / 5.81***	***6151892 CANADA INC O/A GAS STN*** ***5336 BOUNDARY RD GLOUCESTER K0A 1K0*** ***ON CA*** ***ON***	***DTNK***

2	***12 of 21***	***SSE/155.5***	***75.7 / 5.81***	***6151892 CANADA INC O/A GAS STN*** ***5336 BOUNDARY RD GLOUCESTER K0A 1K0*** ***ON CA*** ***ON***	***DTNK***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	13 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	DTNK
2	14 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	DTNK
2	15 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	DTNK
2	16 of 21	SSE/155.5	75.7 / 5.81	5336 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	FST

Instance No:	9831233	**Manufacturer:**	
Status:	Active	**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS GASOLINE STATION - SELF SERVE	**Unit of Measure:**	
Item Description:		**Fuel Type:**	
Tank Type:		**Fuel Type2:**	
Install Date:		**Fuel Type3:**	
Install Year:		**Piping Steel:**	0
Years in Service:		**Piping Galvanized:**	0
Model:		**Tanks Single Wall St:**	0
Description:		**Piping Underground:**	3
Capacity:		**Num Underground:**	4
Tank Material:		**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			
Facility Type:			
Parent Facility Type:			
Facility Location:			
Device Installed Location:			

2	17 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No:	11285094	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	**Fuel Type2:**	NULL
Install Date:	5/20/2009	**Fuel Type3:**	NULL
Install Year:	1990	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	25000	**Num Underground:**	
Tank Material:	Steel	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	

Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA

Fuel Storage Tank Details

Owner Account Name: 6151892 CANADA INC O/A GAS STN

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 6151892 CANADA INC O/A GAS STN
Item: FS LIQUID FUEL TANK

2	18 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No: 11285114
Status:
Cont Name:
Instance Type:
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Liquid Fuel Single Wall UST
Install Date: 5/20/2009
Install Year: 1990
Years in Service:
Model: NULL
Description:
Capacity: 25000
Tank Material: Steel
Corrosion Protect:
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related:
Panam Venue:

Fuel Storage Tank Details

Owner Account Name: 6151892 CANADA INC O/A GAS STN

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 6151892 CANADA INC O/A GAS STN
Item: FS LIQUID FUEL TANK

2	19 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No: 11285066
Status:
Cont Name:
Instance Type:

Manufacturer:
Serial No:
Ulc Standard:
Quantity:

Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	5/20/2009	***Fuel Type3:***	NULL
Install Year:	1990	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	25000	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA		

Fuel Storage Tank Details

Owner Account Name: 6151892 CANADA INC O/A GAS STN

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 6151892 CANADA INC O/A GAS STN
Item: FS LIQUID FUEL TANK

2	***20 of 21***	***SSE/155.5***	***75.7 / 5.81***	***6151892 CANADA INC O/A GAS STN*** ***5336 BOUNDARY RD GLOUCESTER K0A 1K0*** ***ON CA*** ***ON***	***FST***

Instance No:	10762658	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	5/20/2009	***Fuel Type3:***	NULL
Install Year:	1990	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	25000	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA		

Fuel Storage Tank Details

Owner Account Name: 6151892 CANADA INC O/A GAS STN

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 6151892 CANADA INC O/A GAS STN
Item: FS LIQUID FUEL TANK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	21 of 21	SSE/155.5	75.7 / 5.81	6151892 CANADA INC O/A GAS STN 5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA ON	FST

Instance No:	11285130	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Diesel
Tank Type:	Liquid Fuel Single Wall UST	**Fuel Type2:**	NULL
Install Date:	5/20/2009	**Fuel Type3:**	NULL
Install Year:	1990	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	25000	**Num Underground:**	
Tank Material:	Steel	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	5336 BOUNDARY RD GLOUCESTER K0A 1K0 ON CA		

Fuel Storage Tank Details

Owner Account Name: 6151892 CANADA INC O/A GAS STN

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 6151892 CANADA INC O/A GAS STN
Item: FS LIQUID FUEL TANK

3	1 of 4	ESE/208.2	77.9 / 8.00	Krzysztof Jablonski 5329 Boundary Road Ottawa ON	CA

Certificate #:	3478-6FDNY7
Application Year:	2005
Issue Date:	8/22/2005
Approval Type:	Industrial Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

3	2 of 4	ESE/208.2	77.9 / 8.00	Krzysztof Jablonski 5329 Boundary Road Ottawa ON K4B 1P6	ECA

Approval No:	3478-6FDNY7	**MOE District:**	Ottawa
Approval Date:	2005-08-22	**City:**	

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

Status:	Approved	**Longitude:**	-75.44256
Record Type:	ECA	**Latitude:**	45.3451
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	South Nation	**Geometry Y:**	
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS		
Project Type:	INDUSTRIAL SEWAGE WORKS		
Business Name:	Krzysztof Jablonski		
Address:	5329 Boundary Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9082-6E7PAX-14.pdf		
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	3 of 4	ESE/208.2	77.9 / 8.00	TAGGART CONSTRUCTION LIMITED 5329 BOUNDARY RD NAVAN ON K4B 1P6	EASR

Approval No:	R-009-6110604370	**SWP Area Name:**	South Nation
Status:	REGISTERED	**MOE District:**	Ottawa
Date:	2018-09-26	**Municipality:**	NAVAN
Record Type:	EASR	**Latitude:**	45.345
Link Source:	MOFA	**Longitude:**	-75.4425
Project Type:	Water Taking - Construction Dewatering	**Geometry X:**	
Full Address:		**Geometry Y:**	
Approval Type:	EASR-Water Taking - Construction Dewatering		
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2094876		
PDF URL:			
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	4 of 4	ESE/208.2	77.9 / 8.00	5329 Boundary Road Ottawa Navan ON K4B 1P6	EHS

Order No:	20180727053	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	01-AUG-18	**Search Radius (km):**	.25
Date Received:	27-JUL-18	**X:**	-75.442602
Previous Site Name:		**Y:**	45.345071
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 2	SE/211.2	77.9 / 8.05	5348 Boundary Road Carlsbad Springs ON K0A 1K0	EHS

Order No:	21062300197	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	28-JUN-21	**Search Radius (km):**	.25
Date Received:	23-JUN-21	**X:**	-75.44370626
Previous Site Name:		**Y:**	45.34434194
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	2 of 2	SE/211.2	77.9 / 8.05	5348 Boundary Road Carlsbad Springs ON K0A 1K0	EHS

Order No:	21062300197	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	28-JUN-21	**Search Radius (km):**	.25

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

Date Received:	23-JUN-21	**X:**	-75.44370626
Previous Site Name:		**Y:**	45.34434194
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 2	ESE/211.9	77.9 / 8.00	5329 Boundary Rd Navan ON K4B 1P6	EHS

Order No:	21062100164	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	24-JUN-21	**Search Radius (km):**	.25
Date Received:	21-JUN-21	**X:**	-75.44257569
Previous Site Name:		**Y:**	45.34503861
Lot/Building Size:			
Additional Info Ordered:	Topographic Maps		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	2 of 2	ESE/211.9	77.9 / 8.00	5329 Boundary Rd Navan ON K4B 1P6	EHS

Order No:	21062100164	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	24-JUN-21	**Search Radius (km):**	.25
Date Received:	21-JUN-21	**X:**	-75.44257569
Previous Site Name:		**Y:**	45.34503861
Lot/Building Size:			
Additional Info Ordered:	Topographic Maps		

Unplottable Summary

Total: 33 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Lot 1, Concession 9	Ottawa ON	
CA		Lot 1, Concession 9	Ottawa ON	
CA	Scully Way	Lot 1, Concession 9	Ottawa ON	
CA	Petro-Canada		Ottawa ON	
CA	Taggart Construction Limited	Mobile Facility	Ottawa ON	
CA	Scully Way	Lot 1, Concession 9	Ottawa ON	
CONV	Taggart Construction Limited		Ottawa ON	
EBR	Taggart Construction Limited	Mobile Facility Ottawa Ontario Ottawa	ON	
ECA	Taggart Construction Limited	Mobile Facility	Ottawa ON	K1V 8Y3
ECA	Petro-Canada Inc.		Ottawa ON	L6L 6N5
PES	HORTICARE CONSULTING DESIGN $ LANDSCAPING	R.R. #1, BOUNDARY ROAD	CARLSBAD SPRINGS ON	K0A 1K0
PRT	REGENT POMERLEAU	BOUNDARY RD	OTTAWA ON	
PRT	417 BOUNDRY OIL INC	LOT 1 CON 9	GLOUCESTER ON	
SPL	Taggart Construction Limited		Ottawa ON	
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON	
WWIS		lot 22	ON	
WWIS		con 9	ON	
WWIS		lot 1	ON	
WWIS		lot 1	ON	

WWIS	lot 22	ON
WWIS	lot 22	ON
WWIS	lot 1	ON
WWIS	lot 22	ON
WWIS	lot 1	ON
WWIS	lot 22	ON
WWIS	lot 1	ON
WWIS	lot 1	ON
WWIS	lot 22	ON
WWIS	lot 22	ON
WWIS	con 11	ON
WWIS	lot 1	ON
WWIS	con 9	ON
WWIS	lot 1	ON

Unplottable Report

Site: **Database:** CA

Lot 1, Concession 9 Ottawa ON

Certificate #:	1157-4UKJS3
Application Year:	01
Issue Date:	3/7/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Urbandale Corporation
Client Address:	2193 Arch Street
Client City:	OTTAWA
Client Postal Code:	K1G 2H5
Project Description:	Installation of storm and sanitary sewers on Scala Avenue, Calico Crescent, Swallowtail Crescent, Block 216, and Marwick Crescent.
Contaminants:	
Emission Control:	

Site: **Database:** CA

Lot 1, Concession 9 Ottawa ON

Certificate #:	3312-4UKKJ7
Application Year:	01
Issue Date:	3/7/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Urbandale Corporation
Client Address:	2193 Arch Street
Client City:	OTTAWA
Client Postal Code:	K1G 2H5
Project Description:	Installation of watermains on Scala Avenue, Calico Crescent, Swallowtail Crescent, Block 216, and Markwick Crescent.
Contaminants:	
Emission Control:	

Site: **Scully Way** **Database:** CA

Lot 1, Concession 9 Ottawa ON

Certificate #:	9846-56XQCU
Application Year:	02
Issue Date:	2/4/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	1427165 Ontario Limited
Client Address:	210 Gladstone Avenue, Suite 2001
Client City:	Ottawa
Client Postal Code:	K2P 0Y6
Project Description:	This application is for approval to install storm and sanitary sewers on Scully Way
Contaminants:	
Emission Control:	

Site: **Petro-Canada** **Database:** CA

Ottawa ON

Certificate #:	5607-79YMZ8
Application Year:	2008
Issue Date:	2/12/2008
Approval Type:	Industrial Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Taggart Construction Limited***
Mobile Facility Ottawa ON

Database: ***CA***

Certificate #:	0636-7KEL2F
Application Year:	2008
Issue Date:	11/19/2008
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Scully Way***
Lot 1, Concession 9 Ottawa ON

Database: ***CA***

Certificate #:	7423-56XPWY
Application Year:	02
Issue Date:	2/4/02
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	1427165 Ontario Limited
Client Address:	210 Gladstone Avenue, Suite 2001
Client City:	Ottawa
Client Postal Code:	K2P 0Y6
Project Description:	This application is for approval to install watermains on Scully Way
Contaminants:	
Emission Control:	

Site: ***Taggart Construction Limited***
Ottawa ON

Database: ***CONV***

File No:	012802	***Location:***	
Crown Brief No:		***Region:***	
Court Location:		***Ministry District:***	
Publication City:			
Publication Title:			
Act:			
Act(s):			
First Matter:			
Second Matter:			
Investigation 1:			
Investigation 2:			
Penalty Imposed:			
Description:	Taggart Construction Limited, Paterson Group Inc. and Robert Passmore have been fined $5,000 each, totalling $15,000 plus a victim fine surcharge, after pleading guilty on January 15, 2009 to violations under the Ontario		

Water Resources Act. Taggart Construction Limited and Paterson Group Inc. were convicted of failing to comply with a Provincial Officer Order by taking more than 50,000 litres of water per day, and Mr. Passmore was convicted of giving false or misleading information to the ministry. The parties were given six months to pay the fine. The Court heard that Taggart Construction Limited was contracted by a developer to install municipal services at a subdivision in Ottawa which required dewatering activities. After being issued a Provincial Officer Order to restrict water taking activities to below 50,000 litres per day until a permit had been obtained, Taggart hired Paterson Group Inc. to submit an application for the permit. Taggart then pumped over 50,000 litres of water based on information provided by Paterson Group employee, Mr. Passmore, that the go ahead to pump had been given when a permit had yet to be issued. In an interview with ministry investigators, Mr. Passmore denied giving Taggart verbal approval to pump in excess of 50,000 litres per day. Taggart Construction Limited, Paterson Group Inc. and Mr. Passmore were charged following an investigation by the Ministry of the Environment's Investigations and Enforcement Branch.

Background:
URL:

Additional Details

Publication Date:	
Count:	1
Act:	OWRA
Regulation:	
Section:	
Act/Regulation/Section:	OWRA
Date of Offence:	
Date of Conviction:	
Date Charged:	January 15, 2009
Charge Disposition:	fine, victim fine surcharge
Fine:	$5,000
Synopsis:	

Site: ***Taggart Construction Limited***
Mobile Facility Ottawa Ontario Ottawa ON

Database: ***EBR***

EBR Registry No:	IA07E0165	***Decision Posted:***	
Ministry Ref No:	8556-6XWUA3	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	December 09, 2008	***Act 2:***	
Proposal Date:	January 30, 2007	***Site Location Map:***	
Year:	2007		

Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:	
Posted By:	
Company Name:	Taggart Construction Limited
Site Address:	
Location Other:	
Proponent Name:	
Proponent Address:	3187 Albion Rd S, Ottawa Ontario, K1V 8Y3
Comment Period:	
URL:	

Site Location Details:

Mobile Facility Ottawa Ontario Ottawa

Site: ***Taggart Construction Limited***
Mobile Facility Ottawa ON K1V 8Y3

Database: ***ECA***

Approval No:	0636-7KEL2F	***MOE District:***	
Approval Date:	2008-11-19	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type:	ECA-AIR
Project Type:	AIR

Business Name:	Taggart Construction Limited
Address:	Mobile Facility
Full Address:	
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8556-6XWUA3-14.pdf
PDF Site Location:	

Site: ***Petro-Canada Inc.***
Ottawa ON L6L 6N5

Database: ***ECA***

Approval No:	4810-4UMJP8	***MOE District:***	
Approval Date:	2001-03-12	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS		
Project Type:	INDUSTRIAL SEWAGE WORKS		
Business Name:	Petro-Canada Inc.		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf		
PDF Site Location:			

Site: ***HORTICARE CONSULTING DESIGN $ LANDSCAPING***
R.R. #1, BOUNDARY ROAD CARLSBAD SPRINGS ON K0A 1K0

Database: ***PES***

Detail Licence No:		***Operator Box:***	
Licence No:		***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:		***Oper Area Code:***	
Licence Type:	Operator	***Oper Phone No:***	
Licence Type Code:		***Operator Ext:***	
Licence Class:		***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Latitude:		***Operator Region:***	
Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF Link:			
PDF Site Location:			

Site: ***REGENT POMERLEAU***
BOUNDARY RD OTTAWA ON

Database: ***PRT***

Location ID:	10882
Type:	private
Expiry Date:	
Capacity (L):	27276.00
Licence #:	0001028875

Site: ***417 BOUNDRY OIL INC***
LOT 1 CON 9 GLOUCESTER ON

Database: ***PRT***

Location ID:	5296
Type:	retail
Expiry Date:	1995-08-31
Capacity (L):	125000
Licence #:	0056225001

Site: ***Taggart Construction Limited***
Ottawa ON

Database: ***SPL***

Ref No:	7584-BB3KRQ	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	4/4/2019	***Health/Env Conseq:***	
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/9/2019	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	1896 John Quinn rd, Metcalfe<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Mobile Crusher Relocation - 2019		
Contaminant Qty:			

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

Database: ***SPL***

Ref No:	30833	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2/12/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/12/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PETRO CANADA SERVICE STN.FURANCE OIL LEAK.		
Contaminant Qty:			

Site:
lot 22 ON

Database: ***WWIS***

Well ID:	1527380	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/25/1993

Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6587
Casing Material:		***Form Version:***	1
Audit No:	134520	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10049030	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	20-Aug-1993 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931066493
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931066494
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0

Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066492
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066496
Layer: 5
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 54.0
Formation End Depth: 67.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066497
Layer: 6
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 67.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066495
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 73

Mat3 Desc:	HARD
Formation Top Depth:	52.0
Formation End Depth:	54.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933112418
Layer:	1
Plug From:	0.0
Plug To:	40.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961527380
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10597600
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930085607
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	67.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930085608
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	68.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991527380
Pump Set At:	
Static Level:	19.0
Final Level After Pumping:	39.0
Recommended Pump Depth:	55.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934903153
Test Type:	
Test Duration:	60
Test Level:	19.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934110637
Test Type:	
Test Duration:	15
Test Level:	19.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934385453
Test Type:	
Test Duration:	30
Test Level:	19.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654778
Test Type:	
Test Duration:	45
Test Level:	19.0
Test Level UOM:	ft

Water Details

Water ID:	933486817
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	67.0
Water Found Depth UOM:	ft

Site: ***Database:***
con 9 ON ***WWIS***

Well ID:	1525856	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/10/1991
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	102539	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	09

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047591
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Nov-1991 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931062493
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 4.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062494
Layer: 3
Color: 8
General Color: BLACK
Mat1: 26
Most Common Material: ROCK
Mat2: 17
Mat2 Desc: SHALE
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 118.0
Formation End Depth: 123.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062492
Layer: 1
Color: 6
General Color: BROWN

Mat1: 02
Most Common Material: TOPSOIL
Mat2: 28
Mat2 Desc: SAND
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111405
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525856
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10596161
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083311
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 118.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083310
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 20.0
Casing Diameter: 10.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083312
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:

Depth To:	123.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991525856
Pump Set At:	
Static Level:	7.0
Final Level After Pumping:	9.0
Recommended Pump Depth:	40.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934105640
Test Type:	
Test Duration:	15
Test Level:	7.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934907419
Test Type:	
Test Duration:	60
Test Level:	9.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934389296
Test Type:	
Test Duration:	30
Test Level:	8.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649823
Test Type:	
Test Duration:	45
Test Level:	9.0
Test Level UOM:	ft

Water Details

Water ID:	933484988
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	118.0
Water Found Depth UOM:	ft

Site:
lot 1 ON

Database:
WWIS

Well ID:	1528977	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Commerical	***Date Received:***	6/10/1996
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	169410	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050513	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	29-May-1996 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931071371
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	85.0
Formation End Depth:	92.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931071370
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11

Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 80.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071368
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071369
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113977
Layer: 1
Plug From: 5.0
Plug To: 40.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528977
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10599083
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930088277
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	92.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930088276
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	85.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991528977
Pump Set At:	
Static Level:	-1.0
Final Level After Pumping:	92.0
Recommended Pump Depth:	50.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	Yes

Draw Down & Recovery

Pump Test Detail ID:	934907575
Test Type:	Recovery
Test Duration:	60
Test Level:	-1.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105828
Test Type:	Recovery
Test Duration:	15
Test Level:	-1.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934389454
Test Type:	Recovery
Test Duration:	30

Test Level:	-1.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934658629
Test Type:	Recovery
Test Duration:	45
Test Level:	-1.0
Test Level UOM:	ft

Water Details

Water ID:	933488886
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 1 ON ***WWIS***

Well ID:	1518217	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/6/1983
Sec. Water Use:	Livestock	***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10040087	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	21-Mar-1983 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931037740

Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 14
Mat3 Desc: HARDPAN
Formation Top Depth: 15.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931037741
Layer: 3
Color: 2
General Color: GREY
Mat1: 13
Most Common Material: BOULDERS
Mat2: 14
Mat2 Desc: HARDPAN
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931037742
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 52.0
Formation End Depth: 167.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931037739
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961518217
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10588657
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069992
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 53.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069993
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 167.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518217
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 90.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934639345
Test Type:
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934897806
Test Type:	
Test Duration:	60
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934103534
Test Type:	
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378286
Test Type:	
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Water Details

Water ID:	933474886
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	148.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933474885
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933474887
Layer:	3
Kind Code:	5
Kind:	Not stated
Water Found Depth:	162.0
Water Found Depth UOM:	ft

Site:
lot 22 ON

Database:
WWIS

Well ID:	1519591	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/15/1985
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10041461	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	04-Apr-1985 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931042150
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	19.0
Formation End Depth:	53.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931042149
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	19.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933108869
Layer:	1

Plug From: 0.0
Plug To: 19.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519591
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590031
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072400
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 19.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519591
Pump Set At:
Static Level: 29.0
Final Level After Pumping: 37.0
Recommended Pump Depth: 49.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934653794
Test Type: Draw Down
Test Duration: 45
Test Level: 37.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383815
Test Type: Draw Down
Test Duration: 30
Test Level: 37.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934894137
Test Type:	Draw Down
Test Duration:	60
Test Level:	37.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934109224
Test Type:	Draw Down
Test Duration:	15
Test Level:	37.0
Test Level UOM:	ft

Water Details

Water ID:	933476631
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	45.0
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 22 ON

Well ID:	1523008	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/23/1988
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	37559	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10044814	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08-Nov-1988 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931053220
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	33.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053219
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110062
Layer:	1
Plug From:	4.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523008
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10593384
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078399
Layer:	1
Material:	1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523008
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	23.0
Recommended Pump Depth:	29.0
Pumping Rate:	14.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934648569
Test Type:	Draw Down
Test Duration:	45
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388006
Test Type:	Draw Down
Test Duration:	30
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906194
Test Type:	Draw Down
Test Duration:	60
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112164
Test Type:	Draw Down
Test Duration:	15
Test Level:	12.0
Test Level UOM:	ft

Water Details

Water ID:	933481102
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	31.0

Water Found Depth UOM: ft

Site:
lot 1 ON

Database:
WWIS

Well ID:	1523093	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/24/1989
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	27149	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10044899	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	28-Oct-1988 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931053533
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80.0
Formation End Depth:	103.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053531
Layer:	1
Color:	2

General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053532
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523093
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593469
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930078540
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930078541
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 103.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991523093
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	30.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	15.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934388085
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906271
Test Type:	
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649067
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112667
Test Type:	
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933481225
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933481226

Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	97.0
Water Found Depth UOM:	ft

Site:
lot 22 ON

Database:
WWIS

Well ID:	1523630	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/28/1989
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	44273	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045404	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-Jun-1989 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931055272
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	21.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931055275
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 140.0
Formation End Depth: 300.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055276
Layer: 6
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 300.0
Formation End Depth: 325.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055271
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055273
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931055274
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	140.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110399
Layer:	1
Plug From:	0.0
Plug To:	40.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523630
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10593974
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930079446
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523630
Pump Set At:	
Static Level:	150.0
Final Level After Pumping:	220.0
Recommended Pump Depth:	300.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	

Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934907979
Test Type:	
Test Duration:	60
Test Level:	220.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390215
Test Type:	
Test Duration:	30
Test Level:	210.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105569
Test Type:	
Test Duration:	15
Test Level:	200.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650774
Test Type:	
Test Duration:	45
Test Level:	220.0
Test Level UOM:	ft

Water Details

Water ID:	933481972
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	280.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 1 ON ***WWIS***

Well ID:	1524829	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/17/1990
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	56350	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	BF

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046575
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02-May-1990 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931059234
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059235
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524829
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID:	10595145
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930081538
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	29.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930081539
Layer:	2
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	63.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991524829
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	30.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934655198
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903575
Test Type:	
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934110011
Test Type:	
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934385420
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933483589
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.0
Water Found Depth UOM:	ft

Site:
lot 22 ON

Database: ***WWIS***

Well ID:	1531636	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/4/2000
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	1
Audit No:	200315	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10053170	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	14-Aug-1999 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931079094
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	12
Mat2 Desc:	STONES
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079095
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	405.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116805
Layer:	1
Plug From:	4.0
Plug To:	42.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531636
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10601740
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930093103
Layer:	1
Material:	1
Open Hole or Material:	STEEL

Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531636
Pump Set At:
Static Level: 69.0
Final Level After Pumping: 405.0
Recommended Pump Depth: 390.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 7.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934397662
Test Type: Recovery
Test Duration: 30
Test Level: 232.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934114046
Test Type: Recovery
Test Duration: 15
Test Level: 307.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934915071
Test Type: Recovery
Test Duration: 60
Test Level: 102.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658180
Test Type: Recovery
Test Duration: 45
Test Level: 164.0
Test Level UOM: ft

Water Details

Water ID: 933492179
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 240.0
Water Found Depth UOM: ft

Water Details

Water ID:	933492180
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	318.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933492181
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	382.0
Water Found Depth UOM:	ft

Site:
lot 1 ON

Database:
WWIS

Well ID:	1530576	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/9/1999
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	194890	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	LI
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10052111	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-Jun-1999 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931075933
Layer:	1

Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075935
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 29.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075936
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 63.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075934
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 29.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115724
Layer:	1
Plug From:	0.0
Plug To:	34.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530576
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10600681
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930090893
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	36.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930090894
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	75.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991530576
Pump Set At:	
Static Level:	22.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	40.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934385133
Test Type:	Recovery
Test Duration:	30
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934118957
Test Type:	Recovery
Test Duration:	15
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934663096
Test Type:	Recovery
Test Duration:	45
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934902687
Test Type:	Recovery
Test Duration:	60
Test Level:	23.0
Test Level UOM:	ft

Water Details

Water ID:	933490750
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	60.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 1 ON ***WWIS***

Well ID:	1529708	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/22/1997
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	183347	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	LI
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10051243	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-Oct-1997 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931073575
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42.0
Formation End Depth:	68.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073572
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073574
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	30.0
Formation End Depth:	42.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073576
Layer:	5
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	68.0
Formation End Depth:	247.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073573
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	8.0
Formation End Depth:	30.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073577
Layer:	6
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	247.0
Formation End Depth:	270.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114771
Layer:	1
Plug From:	424.0
Plug To:	
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529708
Method Construction Code:	5

Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10599813
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089437
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 44.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930089439
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 270.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930089438
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 150.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991529708
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 100.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID:	934391633
Test Type:	Recovery
Test Duration:	30
Test Level:	31.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934116659
Test Type:	Recovery
Test Duration:	15
Test Level:	37.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909332
Test Type:	Recovery
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660795
Test Type:	Recovery
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933489739
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	245.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933489738
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	48.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 22 ON ***WWIS***

Well ID:	1529689	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/4/1997
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	147571	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10051224	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	16-Oct-1997 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931073517
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	71
Mat2 Desc:	FRACTURED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073516
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	32.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114753
Layer:	1

Plug From:	20.0
Plug To:	0.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529689
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10599794
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930089398
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	32.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930089399
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991529689
Pump Set At:	
Static Level:	14.0
Final Level After Pumping:	17.0
Recommended Pump Depth:	50.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934391615

Test Type:	
Test Duration:	30
Test Level:	15.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909314
Test Type:	
Test Duration:	60
Test Level:	17.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934116641
Test Type:	
Test Duration:	15
Test Level:	14.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660777
Test Type:	
Test Duration:	45
Test Level:	16.0
Test Level UOM:	ft

Water Details

Water ID:	933489716
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	52.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933489717
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	56.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 22 ON ***WWIS***

Well ID:	1529150	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/1/1996
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	176078	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	022
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10050686	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	26-Sep-1996 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931071944
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Mat2 Desc:	LAYERED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	378.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931071943
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	71
Mat2 Desc:	FRACTURED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114135
Layer:	1
Plug From:	0.0
Plug To:	42.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529150
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10599256
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930088552
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	378.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930088551
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	44.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991529150
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	4.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933489088
Layer:	1
Kind Code:	1
Kind:	FRESH

Water Found Depth:	368.0
Water Found Depth UOM:	ft

Site:
con 11 ON

Database: ***WWIS***

Well ID:	1528755	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1995
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	154668	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050291	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-Feb-1995 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931070692
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070695
Layer:	5

Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Mat2 Desc: POROUS
Mat3:
Mat3 Desc:
Formation Top Depth: 105.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070693
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 104.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070694
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 104.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070691
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113708
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528755
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10598861
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930087884
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105.0
Casing Diameter:	7.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930087885
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	106.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991528755
Pump Set At:	
Static Level:	35.0
Final Level After Pumping:	80.0
Recommended Pump Depth:	95.0
Pumping Rate:	24.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934906567
Test Type:	
Test Duration:	60
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388868
Test Type:	
Test Duration:	30
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105242
Test Type:	
Test Duration:	15
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649385
Test Type:	
Test Duration:	45
Test Level:	80.0
Test Level UOM:	ft

Water Details

Water ID:	933488582
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	105.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 1 ON ***WWIS***

Well ID:	1528660	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Municipal	***Date Received:***	8/3/1995
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	147554	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	LI
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050196	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	21-Jun-1995 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931070393
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	34.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070396
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	12
Mat2 Desc:	STONES
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	110.0
Formation End Depth:	130.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070395
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	41.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070394
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	34.0
Formation End Depth:	41.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113579
Layer:	1
Plug From:	0.0
Plug To:	15.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113581
Layer:	3
Plug From:	115.0
Plug To:	130.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113580
Layer:	2
Plug From:	15.0
Plug To:	115.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528660
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10598766
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930087738
Layer:	1

Material:	
Open Hole or Material:	
Depth From:	
Depth To:	130.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Water Details

Water ID:	933488459
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	127.0
Water Found Depth UOM:	ft

Site: ***con 9 ON***

Database: ***WWIS***

Well ID:	1525855	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Irrigation	***Date Received:***	12/10/1991
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	102540	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	09
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10047590	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-Nov-1991 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931062488
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02

Most Common Material: TOPSOIL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062489
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062491
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 74
Mat2 Desc: LAYERED
Mat3:
Mat3 Desc:
Formation Top Depth: 126.0
Formation End Depth: 127.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062490
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 126.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525855
Method Construction Code: 5
Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID:	10596160
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930083308
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	20.0
Casing Diameter:	10.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930083309
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	127.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991525855
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	9.0
Recommended Pump Depth:	50.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	15.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934389295
Test Type:	
Test Duration:	30
Test Level:	7.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906998
Test Type:	
Test Duration:	60

Test Level:	9.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649822
Test Type:	
Test Duration:	45
Test Level:	8.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105639
Test Type:	
Test Duration:	15
Test Level:	7.0
Test Level UOM:	ft

Water Details

Water ID:	933484987
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	127.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 1 ON ***WWIS***

Well ID:	1526826	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/27/1993
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	121999	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10048514	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	04-Dec-1992 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931065294
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	42.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931065296
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	98.0
Formation End Depth:	107.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931065295
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42.0
Formation End Depth:	98.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111993
Layer:	1
Plug From:	0.0
Plug To:	25.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961526826
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10597084
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930084961
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 98.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526826
Pump Set At:
Static Level: 40.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 80.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934108991
Test Type: Draw Down
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653138
Test Type: Draw Down
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910329
Test Type: Draw Down
Test Duration: 60

Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392625
Test Type:	Draw Down
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Water Details

Water ID:	933486271
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102.0
Water Found Depth UOM:	ft

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-Oct 2018

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-Sep 30, 2021

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 2019

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: May 31, 2021

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-Sep 30, 2021

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 -Nov 2021

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jul 2021

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Jan 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: May 31, 2021

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- Jan 31, 2021

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 - Jan 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- Jan 31, 2021

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-Nov 30, 2021

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: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

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: May 31, 2020

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-Nov 2021

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: May 31, 2021

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-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: May 31, 2021

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: Feb 28, 2019

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-Dec 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Nov 30, 2021

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-Jan 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 all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Jan 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- Jan 31, 2021

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: May 31, 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 all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Jan 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-Jan 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-Sep 30, 2021

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; Feb 2021-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, 2019

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: May 31, 2021

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- Jan 31, 2021

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: Sep 30, 2021

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

Nick Sullivan, B.Sc.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Environmental Scientist

EDUCATION

McMaster University, B.Sc. 2016
Earth & Environmental Science

Niagara College, Cert. 2017
Environmental Management & Assessment

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Scientist

SELECT LIST OF PROJECTS

Phase I & II Environmental Site Assessments
Contaminated Soil and Groundwater Field Sampling
Subsurface Investigations of Soil and Rock Stratigraphy
Supervision of Environmental Remediation Programs
Designated Substance Surveys

Mark S. D'Arcy, P. Eng

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

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

SELECT LIST OF PROJECTS

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