Geotechnical Engineering

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Phase I-Environmental Site Assessment

3750 Bowesville Road North
Ottawa, Ontario

Prepared For

Jennings Real Estate

June 3, 2021

Report: PE5280-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Jennings Real Estate to conduct a Phase I-Environmental Site Assessment (ESA) for the property addressed 3750 Bowesville Road North, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I ESA Property.

According to the historical research, the Phase I ESA Property was initially developed in the early 1960s with a commercial building that was used as a dance hall until the mid-1980s when it was upgraded with the present-day banquet hall. No potentially contaminating activities (PCAs) were identified with the Phase I ESA Property.

The historical use of the surrounding lands consisted primarily residential developments, a golf course and some commercial. A retail fuel outlet located at 3705 Riverside Drive was identified approximately 150 m north of the Phase I ESA Property. Based on the separation distance, this PCA is not considered to represent an area of potential environmental concern (APEC) on the Phase I ESA Property. No other PCAs were identified with the former use of the neighbouring lands.

Following the historical research, a site visit was conducted. The Phase I ESA Property is occupied by a 2 storey banquet hall surrounded by an asphaltic concrete parking lot. No PCAs were identified with the current use of the Phase I ESA Property. Neighbouring lands consisted of residential and commercial properties. No new off-site PCAs were identified with the current use of the surrounding lands.

Conclusion

Based on the findings of the assessment, **it is our opinion that a Phase II-Environmental Site Assessment is not required for the subject property.**

1.0 INTRODUCTION

At the request of Jennings Real Estate, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the property located at 3750 Bowesville Road North, in the City of Ottawa, Ontario, herein 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 ESA Property and properties within the Phase I ESA Study Area to identify any potentially contaminating activities that would result in areas of potential environmental concern on the Phase I ESA Property.

Paterson was engaged to conduct this Phase I-ESA by Mr. Kenneth Jennings from Jennings Real Estate. The head office is located at 18 Louisa Avenue, Ottawa, Ontario. Mr. Jennings can be reached by telephone at (613) 668-3459.

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

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

2.0 PHASE I PROPERTY INFORMATION

Address:	3750 Bowesville Road North, Ottawa, Ontario
Legal Description:	Part of Lot 4, Concession 2 from Rideau River (Gloucester), now in the City of Ottawa.
Location:	The site is located on the west side of Bowesville Road North, approximately 90 m south of Uplands Drive, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 20’ 27.53" N, 75° 41' 21.92" W
Site Description:	
Configuration:	Irregular
Area:	6,838 m^2 (approximately)
Zoning:	GM –General Mixed-Use Zone.
Current Use:	The Phase I ESA Property is currently occupied by a 2-storey banquet hall constructed circa 1980s, surrounded by an asphaltic concrete paved parking lot.
Services:	The Phase I ESA Property is situated in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

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

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject properties, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- 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 determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on a 1965 aerial photograph, the Phase I ESA Property was developed with a community/commercial style building. According to the current landowner, the use of the former building that was constructed circa 1960 was for commercial purposes (dance hall). The exact year of first developed use is not known, however, for the purpose of this assessment, the first developed use of the Phase I ESA Property was taken to be commercial in 1965.

Fire Insurance Plans

Fire Insurance Plans (FIPs) are not available for the Phase I ESA Property or the Phase I Study Area.

City of Ottawa Street Directories

City directories were reviewed in approximately ten (10) year intervals back to the 1910.

The Phase I ESA Property currently addressed 3750 Bowesville Road North was listed as Tudor Hall since the mid-1980s. The Phase I ESA Property was not listed prior to the 1980s.

The directories did not identify any PCAs at the subject site however, one (1) Potentially Contaminating Activity (PCA) was identified within the Phase I Study Area. A retail fuel outlet (RFO) was located at 3705 Riverside Drive, approximately 150m north of the subject land. Based on the separation distance, this RFO is not considered to represent an APEC on the Phase I ESA Property.

Chain of Title

Paterson did not request a Chain of Title for the Phase I ESA Property as it was determined that sufficient information was gathered from other sources, including city directories, aerial photographs and a personal interview.

Plan of Survey

A survey plan was not available for review at the time of this assessment.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on April 28, 2021. No records were found in the NPRI database for properties within the Phase I Study Area.

PCB Inventory

A search of national and provincial PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I ESA Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on April 28, 2021. The search did not reveal any areas of natural significance within the Phase I ESA Study Area.

Ministry of the Environment, Conservation and Parks (MECP) Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property as apart of this assessment. At the time of issuing this report, a response had not been received from the MECP. The client will be contacted should any pertinent information be received. A copy of the request form is provided in Appendix 2.

MECP Instruments

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments as apart of this assessment. At the time of issuing this report, a response had not been

received from the MECP. The client will be contacted should any pertinent information be received. A copy of the request form is provided in Appendix 2.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records as apart of this assessment. At the time of issuing this report, a response had not been received from the MECP. The client will be contacted should any pertinent information be received. A copy of the request form is provided in Appendix 2.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP as apart of this assessment. At the time of issuing this report, a response had not been received from the MECP. The client will be contacted should any pertinent information be received. A copy of the request form is provided in Appendix 2.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I ESA Property or properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

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

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted on May 27, 2021, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Based on the TSSA response, there were no TSSA related records for the subject site, however, a retail fuel outlet (RFO) is located at 3705 Riverside Drive, approximately 150 m north of the subject site. Based on the separation distance, this RFO is not considered to represent an APEC on the Phase I ESA Property.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I ESA Property and properties within the study area.

According to the ERIS report, there were no records or potential environmental concerns regarding the Phase I ESA Property.

The ERIS search identified several off-site records, which included environmental records (compliance and approvals), TSSA related records (storage tanks, incidents and spills), Ontario Waste Generators, and Scott's Manufacturing Directories. Based on the nature of these off-site PCAs identified in the ERIS, in combination with their separation distances and/or orientation with respect to the Phase I ESA property, these PCAs are not considered to represent APECs.

No APECs were identified during the review of the ERIS report. A copy of the ERIS report is provided in Appendix 2.

Former Industrial Sites

The report titled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" prepared by Intera Technologies Limited was reviewed. No former industrial sites were identified within the Phase I Study Area.

City of Ottawa Landfill Document

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

City of Ottawa Historical Land Use Inventory (HLUI)

A search request for the City of Ottawa's Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. At the time of issuing

this report, a response had not been received from the City. The client will be contacted should any pertinent information be received prepared upon receipt of the search results. A copy of the request form is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

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

1965 The subject site is occupied by a building situated on the southern portion of the site. Neighbouring lands to the south are occupied by a golf course while the remaining lands are occupied by agricultural lands.

1976 No significant changes were made to the subject site or neighbouring properties at this time.

1991 The subject site appears to have been redeveloped with the present-day commercial building, while the neighbouring lands appear unchanged from the previous photograph, with the exception of a residential development to the northeast.

2002 No significant changes were made to the subject site. Neighbouring lands immediately north and west are occupied by commercial buildings. An additional residential development can be seen further northwest of the site.

2011 No significant changes were made to the subject site or neighbouring properties at this time.

2019 The subject site and neighbouring lands appear unchanged from the previous photograph.

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

Physiographic Maps

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication, the site is situated within the Ottawa Clay Plain physiographic region.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the site slopes down in a westerly direction towards the Rideau River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area consists of interbedded shale and limestone of the Nepean Formation. The surficial geology in the area of the site consists of nearshore marine sediments with a drift thickness ranging from 10 to 15 m.

Water Well Records

A well record search was conducted on May 27, 2021 for all drilled wells within 250 m of the Phase I ESA Property. The search returned seven (7) well records, one of which was a monitoring well and six (6) domestic wells. No well records were identified on the Phase I ESA Property.

One monitoring well record was identified at the retail fuel outlet (RFO) at 3705 Riverside Drive, approximately 150 m north of the subject land. Based on the separation distance, this RFO is not considered to pose any risk to the Phase I ESA Property.

The remaining domestic well records were located more than 100 m away from the Phase I ESA Property. These wells were drilled between 1950 and 1975 to a maximum depth of 64 m below the existing grade. It is expected that these domestic wells are no longer in use as the area is municipally serviced.

Based on the well records identified in the immediate area of the Phase I ESA Property, the stratigraphy consisted of clay, underlain by limestone bedrock. Bedrock was encountered at approximately 5 m below the existing ground surface (mgbs). No other information was provided in the well records. A copy of the well records has been included in Appendix 2.

Areas of Natural Significance

No areas of natural significance were identified in the Phase I ESA Study Area.

Water Bodies

No natural bodies were identified in the Phase I ESA Study Area.

5.0 INTERVIEWS

Property Owner Representatives

Mr. Joe Giammaria, the current landowner of the Phase I ESA Property since the mid-1980s was interviewed as part of this assessment during the site visit on May 25, 2021. Based on the information provided by the Mr. Giammaria, the Phase I ESA Property was first developed in 1960 with a dance hall and upgraded in the mid-1980s with the present-day reception and conference hall. The subject building has always been heated using natural gas and electrical baseboard as a secondary source. Mr. Giammaria is not aware of any potential environmental concerns regarding the Phase I ESA Property. Any other pertinent information obtained during the interview has been included in the relevant sections of this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on May 25, 2021. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

A 2-storey with basement commercial building constructed circa 1985 occupies the central portion of the Phase I ESA Property. The building exterior is finished in brick with a flat tar and gravel style roof. The building is heated and cooled by a natural gas fired HVAC roof mounted units with electrical baseboard heaters for secondary heating.

Site Features

The majority of the Phase I ESA Property exists as an asphaltic concrete paved parking lot with catchbasins located along the northern, eastern, southern and western sections of the parking lot.

It is considered likely that road salt was applied to the surface of the parking lot and access lane on the eastern portion for the safety of vehicular and pedestrian traffic under conditions of ice and/or snow, and as such, the application of road salt on the Phase I ESA Property is considered a PCA.

The site topography is relatively flat and at the grade of the adjacent streets. Site drainage consists of sheetflow to catchbasin located on-site. The regional topography slopes down in a north-westerly direction.

Access to the site is located from Boweseville Road North. No evidence of current or former railway or spur lines was observed on the Phase I ESA Property at the time of the site visit. No areas of stained pavement or unidentified substances were observed on-site at this time. No chemicals or signs of an underground storage tank (UST) or above ground storage tank (AST) were noted at the time of the site visit.

Subsurface Services and Utilities

The Phase I ESA Property is situated in a municipally serviced area. Underground utilities, both public and private are present on the Phase I ESA Property.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site is as follows:

- ❒ North: Parkade (commercial), followed by Uplands Drive;
- ❒ South: Golf course, followed by Hunt Club Road;
- ❒ East: Bowesville Road North, followed by a golf course; and
- ❒ West: Commercial office building, followed by Riverside Drive.

Land use within the Phase I Study Area (250 m radius) is primarily used for residential and commercial purposes. Surrounding land use is shown on Drawing PE5280-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The current and past use of the Phase I ESA Property has been for commercial purposes (i.e. dance hall, followed by a banquet hall) since the Phase I ESA Property was developed circa 1965.

Potentially Contaminating Activities

Based on the historical review and current use of the neighbouring lands, one potentially contaminating activity (PCA) was identified on the Phase I ESA Property.

- PCA Other – "Use of Road Salt," associated vehicular and pedestrian road safety on the asphaltic paved concrete parking lot of the western half of the Phase I ESA Property.

Although not identified as per the O.Reg 153/04, Table 2, the application of deicing salts for vehicular and pedestrian safety is considered to represent an APEC on the Phase I ESA Property.

Based on the findings of the Phase I ESA, minor quantities of road salt were applied to the surface of the parking lot and laneway at the Property, for the safety of vehicular and pedestrian traffic under conditions of ice and/or snow. In accordance with Section 49.1 of O.Reg. 153/04, the application of road salt is not considered to be a PCA that does not result in an APEC on the Phase I ESA Property.

Potentially contaminating activities (PCAs) that were not considered to result in APECs based on their separation distances and/or orientations (down or cross-gradient) with respect to the Phase I ESA Property. The off-site PCAs within the Phase I Study Area that do not represent APECs are identified in green on Drawing PE5280-2– Surrounding Land Use Plan.

Areas of Potential Environmental Concern

Based on the findings of this assessment, there are no PCAs that resulted in APECs on the Phase I ESA Property.

Contaminants of Potential Concern

Based on the findings of this assessment, there are no APECs and as such, there are no Contaminants of Potential Concern (CPCs) on or beneath the Phase I ESA Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of interbedded shale and limestone of the Nepean Formation. The surficial geology in the area of the site consists of nearshore marine sediments with a drift thickness ranging from 10 to 15 m.

The groundwater beneath the Phase I ESA Property is anticipated to flow in a north-westerly direction.

Areas of Natural Significance

No areas of natural significance were identified in the Phase I ESA Study Area.

Water Bodies

No natural bodies were identified in the Phase I ESA Study Area.

Drinking Water Wells and Monitoring Wells

There are no known potable water wells on the Phase I ESA Property, nor are they expected to be present as the subject land is situated in a municipally serviced area.

Existing Buildings and Structures

A 2-storey with basement commercial building constructed circa 1985 occupies the central portion of the Phase I ESA Property. The building exterior is finished in brick with a flat tar and gravel style roof. The building is heated and cooled by a natural gas fired HVAC roof mounted units with electrical baseboard heaters for secondary heating.

Subsurface Structures and Utilities

The Phase I ESA Property is situated in a municipally serviced area. Underground utilities, both public and private are present on the Phase I ESA

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists primarily of residential and commercial (offices and a retailer) properties.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, there are no PCAs that resulted in APECs on the Phase I ESA Property.

Contaminants of Potential Concern

There are no contaminants of potential concern (CPCs) in soil or groundwater.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of the Phase I- ESA is considered to be sufficient to conclude that there are no PCAs that have resulted in APECs on the Phase I ESA Property.

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

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Jennings Real Estate to conduct a Phase I-Environmental Site Assessment (ESA) for the property addressed 3750 Bowesville Road North, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I ESA Property.

According to the historical research, the Phase I ESA Property was initially developed in the early 1960s with a commercial building that was used as a dance hall until the mid-1980s when it was upgraded with the present-day banquet hall. No potentially contaminating activities (PCAs) were identified with the Phase I ESA Property.

The historical use of the surrounding lands consisted primarily residential developments, a golf course and some commercial. A retail fuel outlet located at 3705 Riverside Drive was identified approximately 150 m north of the Phase I ESA Property. Based on the separation distance, this PCA is not considered to represent an area of potential environmental concern (APEC) on the Phase I ESA Property. No other PCAs were identified with the former use of the neighbouring lands.

Following the historical research, a site visit was conducted. The Phase I ESA Property is occupied by a 2 storey banquet hall surrounded by an asphaltic concrete parking lot. No PCAs were identified with the current use of the Phase I ESA Property. Neighbouring lands consisted of residential and commercial properties. No new off-site PCAs were identified with the current use of the surrounding lands.

8.2 Conclusion

Based on the findings of the assessment, **it is our opinion that a Phase II-Environmental Site Assessment is not required for the subject property**

9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of Jennings Real Estate. Permission and notification from the above noted parties and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Mandy Witteman, B.Eng., M.A.Sc.

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

Report Distribution:

- ❑ Jennings Real Estate
- ❑ Paterson Group

10.0 REFERENCES

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

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
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MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources
Personal Interviews.

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Sources
ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5280-1 – SITE PLAN

DRAWING PE5280-2 – SURROUNDING LAND USE PLAN

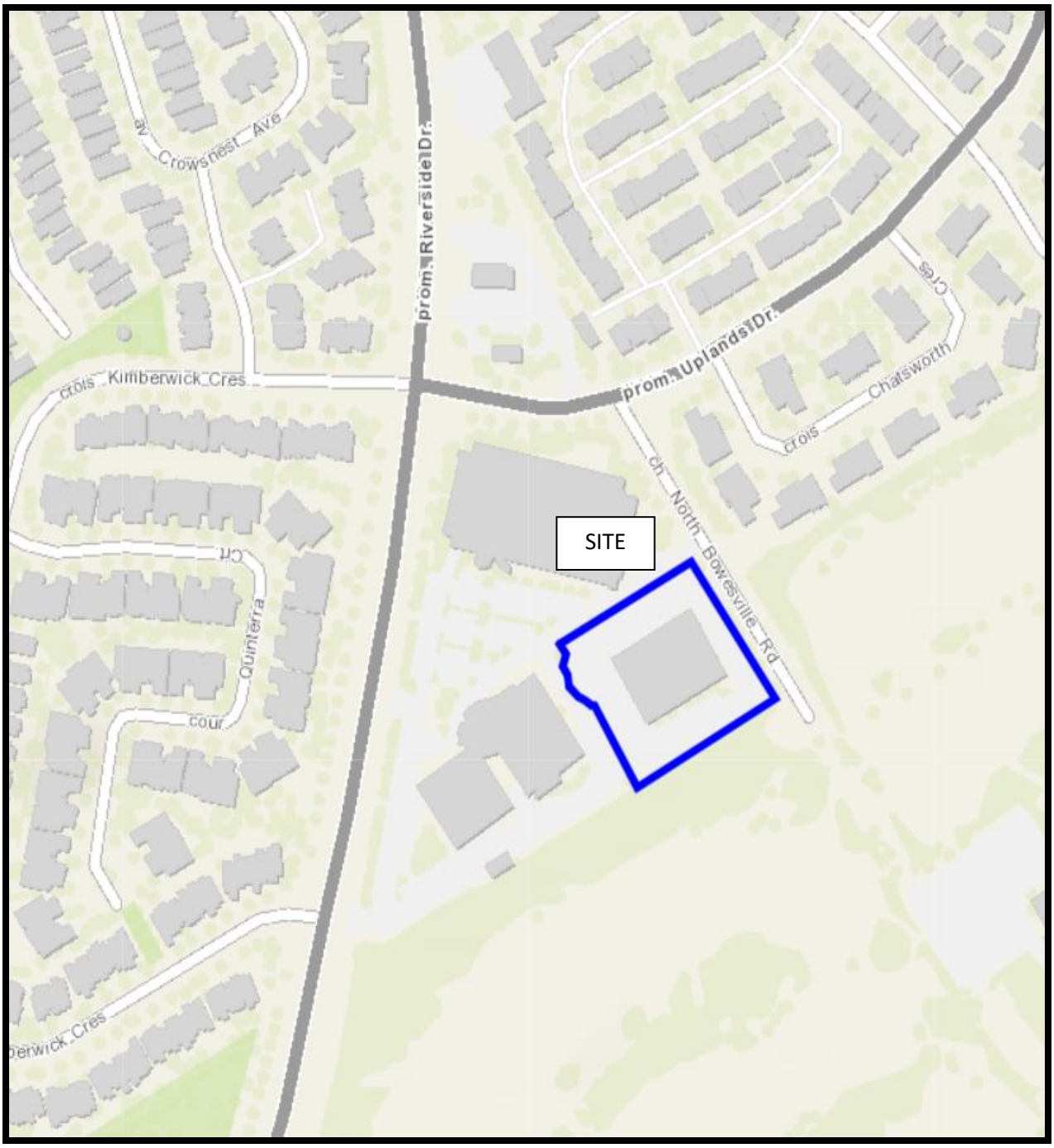


FIGURE 1

KEY PLAN

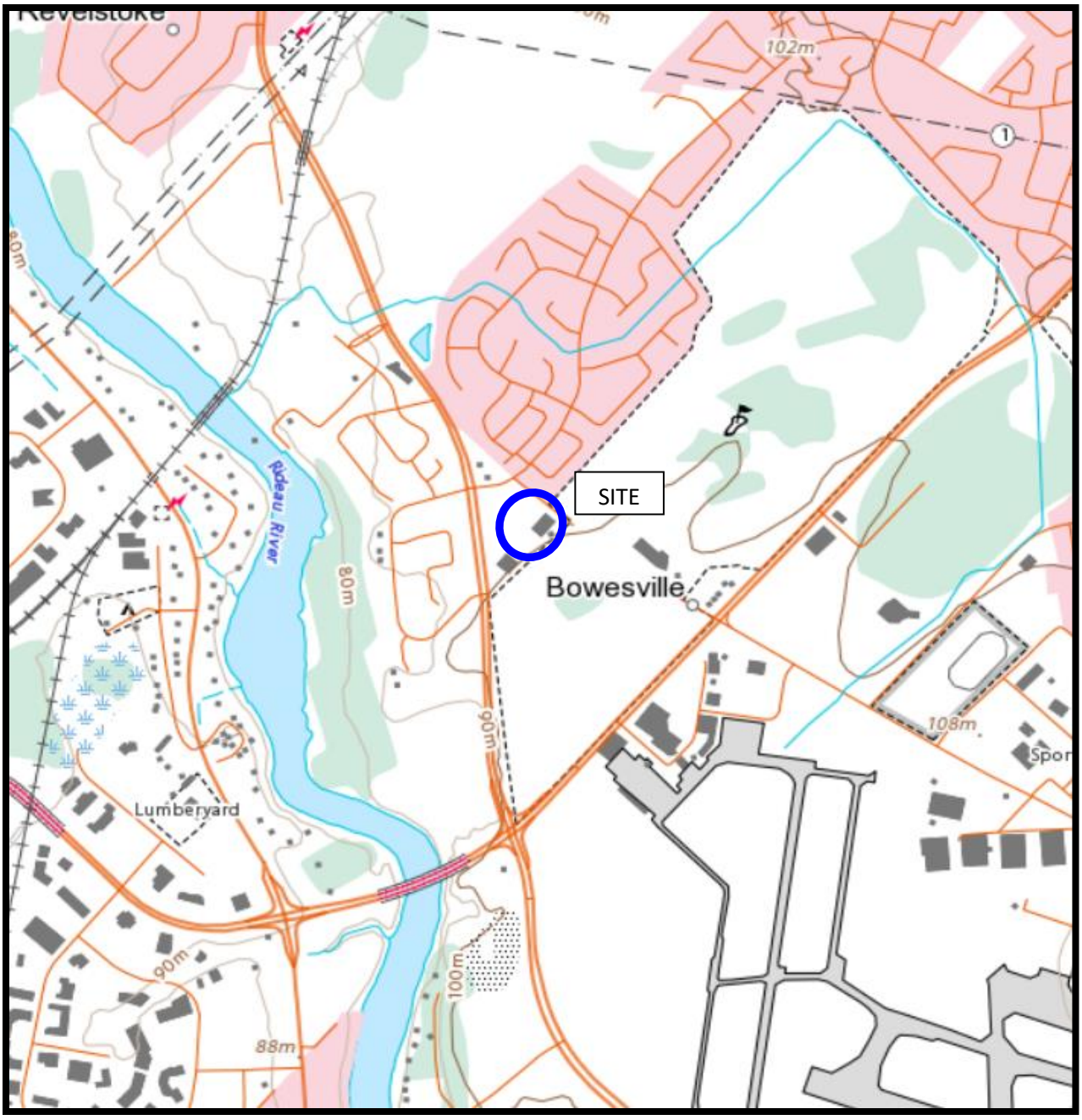
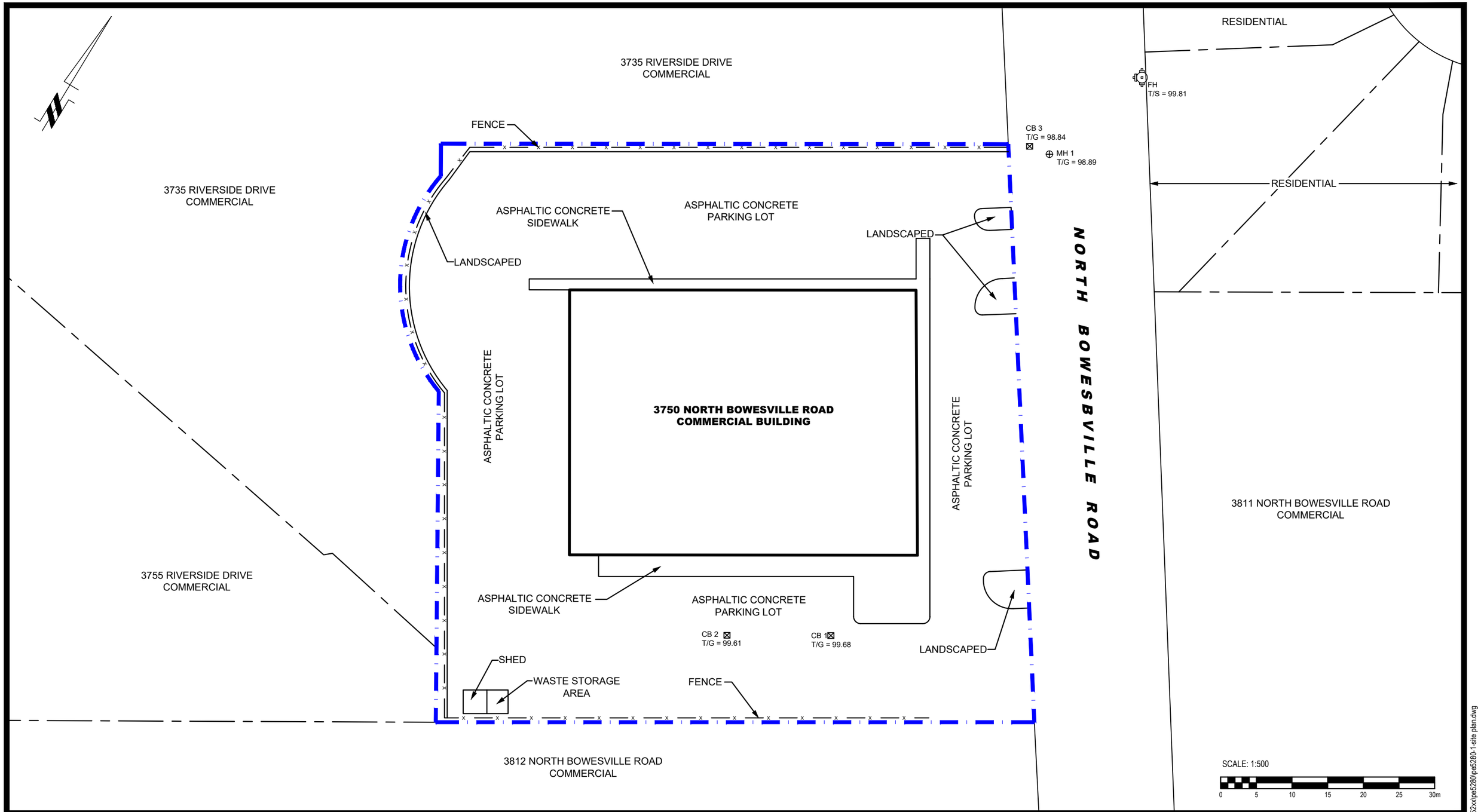


FIGURE 2

TOPOGRAPHIC MAP



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NO.	REVISIONS	DATE	INITIAL

JENNINGS REAL ESTATE

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
3750 NORTH BOWESVILLE ROAD

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:500	**Date:** 05/2021
Drawn by: JM	**Report No.:** PE5280-1
Checked by: MW	**Dwg No.:** PE5280-1
Approved by: MSD	**Revision No.:**

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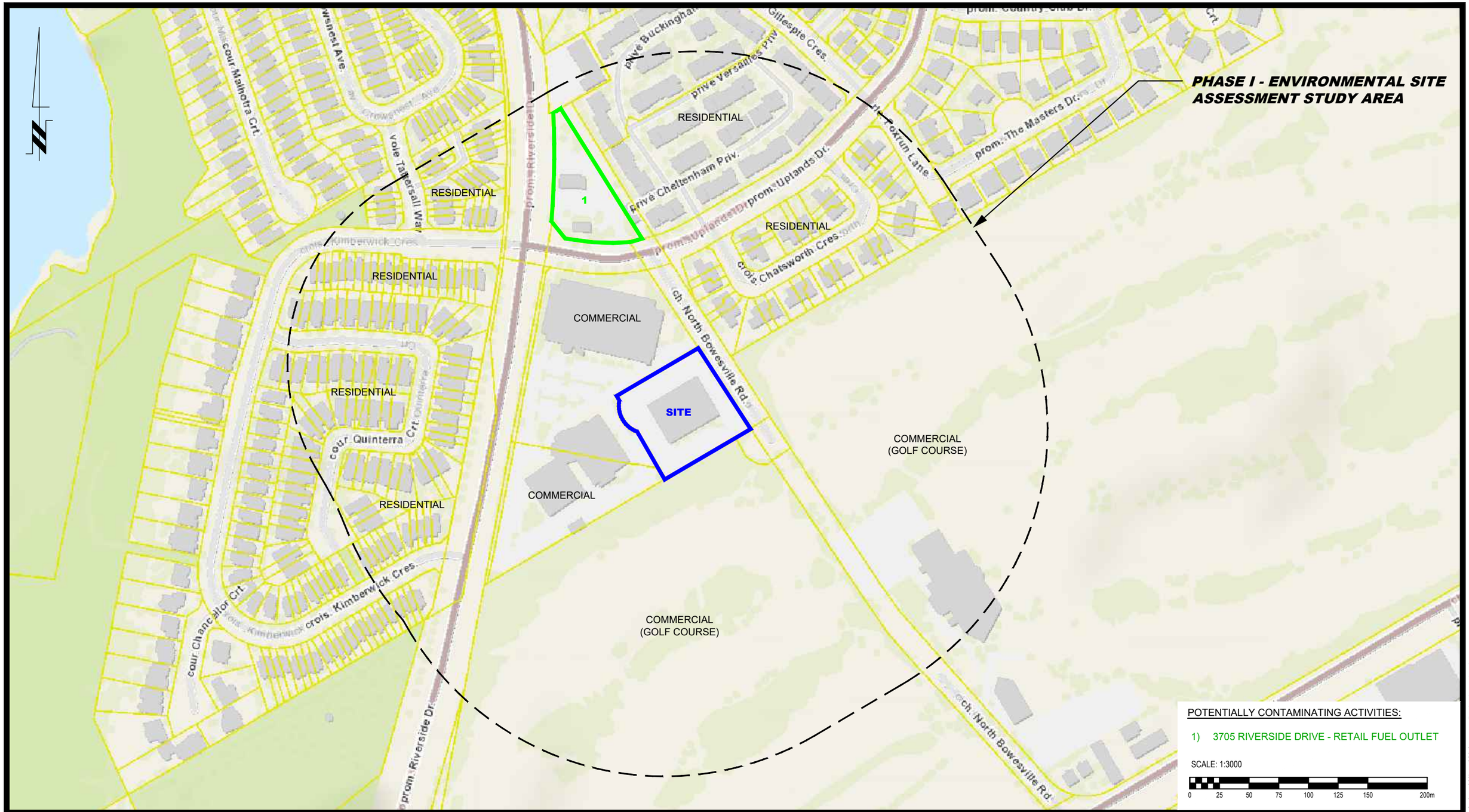

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NO.	REVISIONS	DATE	INITIAL

JENNINGS REAL ESTATE

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
3750 NORTH BOWESVILLE ROAD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:3000	Date: 05/2021
Drawn by: JM	Report No.: PE5280-1
Checked by: MW	Dwg No.: PE5280-2
Approved by: MSD	Revision No.:

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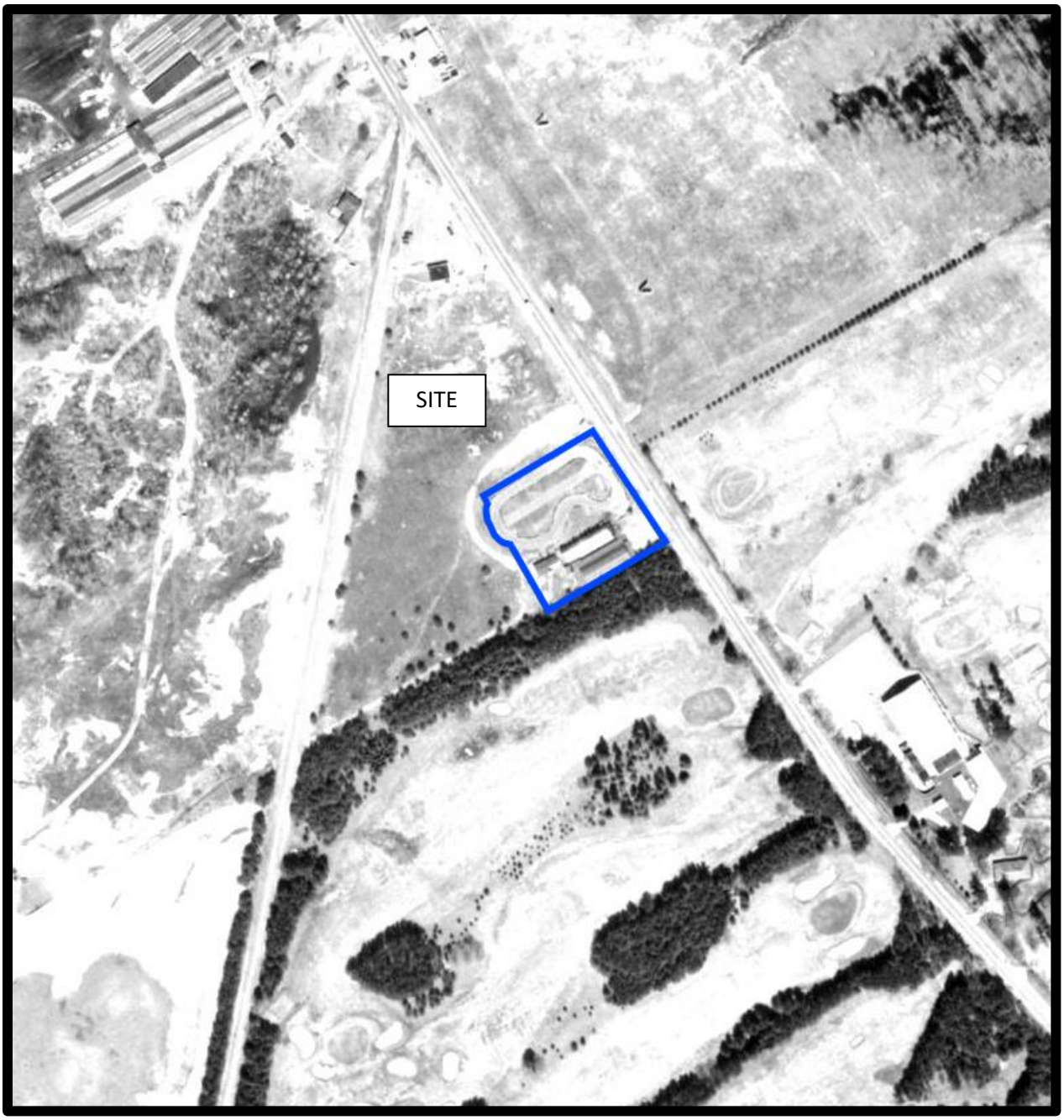
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1965

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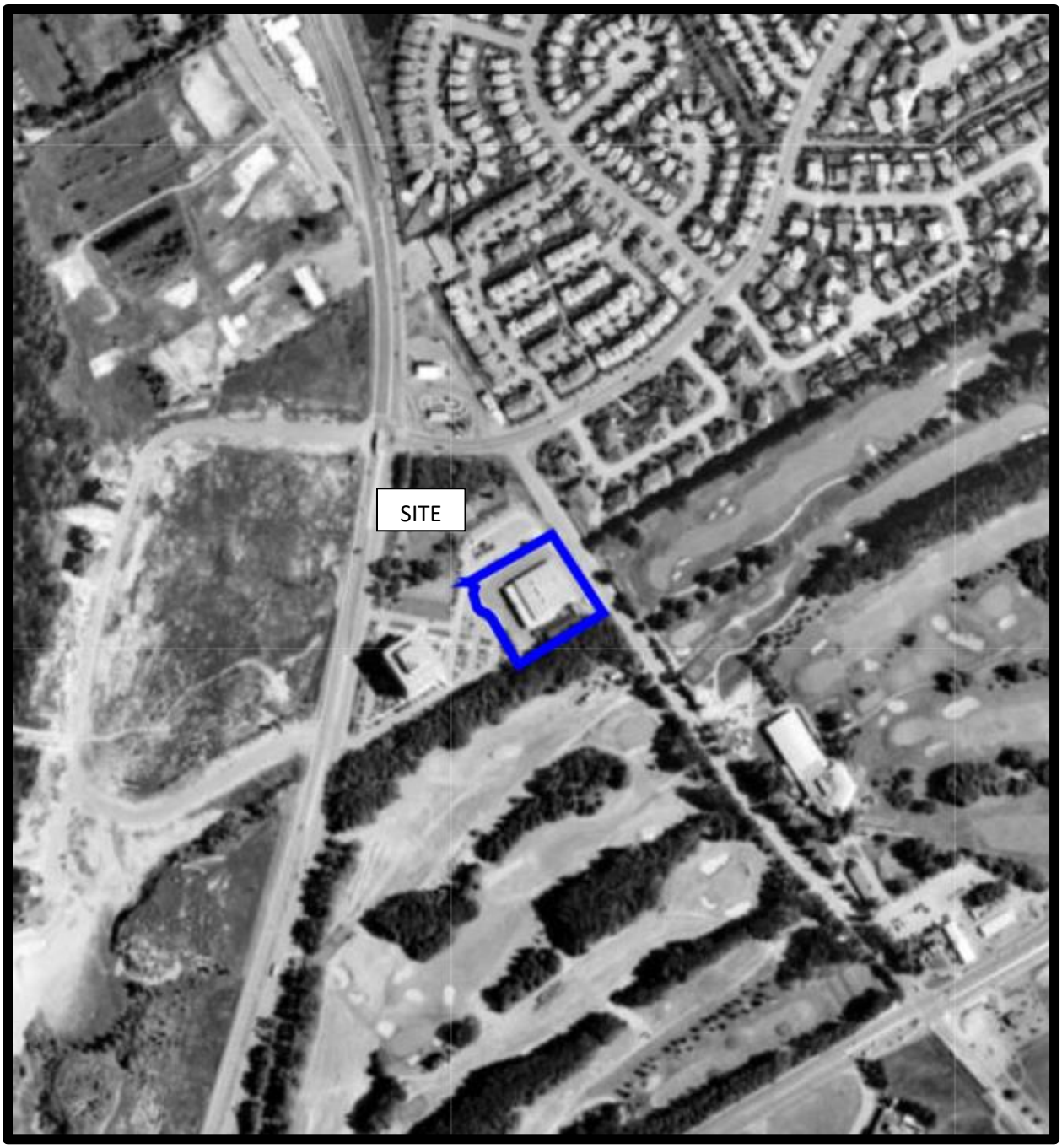
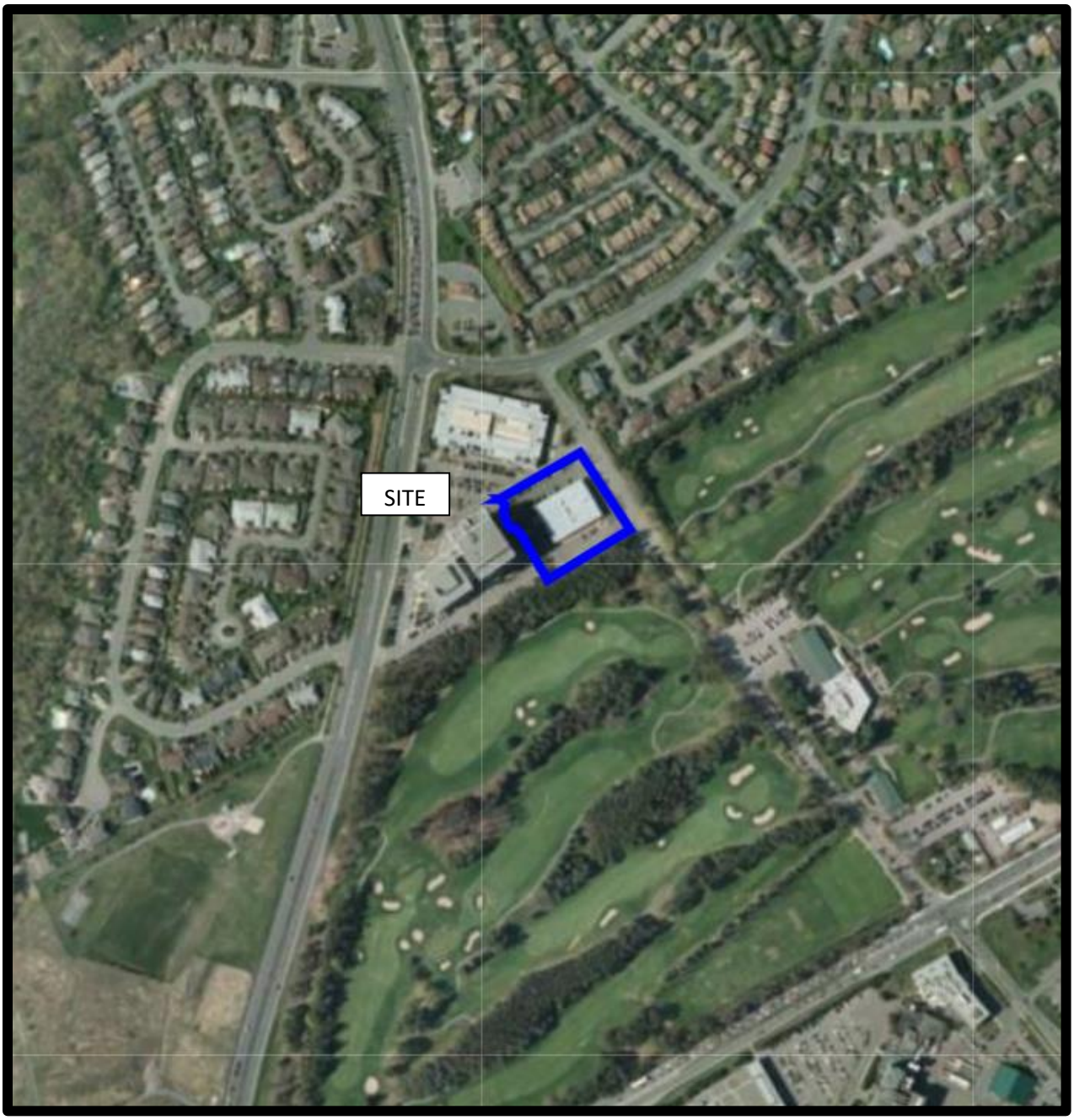
AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1991

AERIAL PHOTOGRAPH
2002

patersongroup



AERIAL PHOTOGRAPH
2011

patersongroup

AERIAL PHOTOGRAPH
2019

patersongroup

Site Photographs

PE5280 3750 Bowesville Road North, Ottawa ON May 26, 2021

Photograph 1: View of the southern portion of the Phase I ESA Property fronting Bowesville Road North.

Photograph 2: View of the eastern portion of the Phase I ESA Property, looking onto Riverside Drive.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA RESPONSE

HLUI RESPONSE

ERIS REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

April 29, 2021

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2021-01620, Your Reference 20210428132239345 / PE526x

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee).

The search will be conducted on the following: 3750 Bowesville Road North, Ottawa. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search and preparation time.

Due to the COVID-19 outbreak, requesters may experience some delays with FOI requests at this time.

If you have any questions regarding this matter, please contact Eric Giang at 416-274-2927 or eric.giang@ontario.ca.

Yours truly,

Original signed by

Noel Kent
Manager, Access and Privacy

Stay at home except for essential travel and follow the **restrictions and public health measures (https://covid-19.ontario.ca/zones-and-restrictions)**.

Ontario

Map: Well records

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

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

Go Back to Map ()

Well ID

Well ID Number: 7193375
Well Audit Number: *C15838*
Well Tag Number: *A122946*
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	GLOUCESTER TOWNSHIP
Lot	

Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445900.00 Northing: 5021265.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

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

Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	

50	50
60	60

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C15838

Date Well Completed: April 10, 2012

Date Well Record Received by MOE: December 11, 2012

Updated: April 30, 2021
Published: April 16, 2021

Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

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

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about Ontario (https://www.ontario.ca/page/about-ontario)

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UTM 1 8 Z 4 4 5 8 9 0 E

9 R 5 0 2 1 1 0 0 N

Elev. 9 R 0 3 1 0

Basin 2 5

ONTARIO

The Water-well Drillers Act, 1954

Department of Mines

15 No 7904

GROUND WATER BR...
OCT 28 1958
ONTARIO WATER RESOURCES COMMISSION

Water-Well Record

[redacted]hip, Village, Town or City Ottawa

[redacted]in Village, Town or City)

[redacted]Address 85 Bloor St. E, Toronto5,

Date completed 29 (day) 5 (month) 58 (year)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	5"	Static level	I5'
Length(s)	4 67'	Pumping rate	400 gph
Type of screen	none	Pumping level	50
Length of screen		Duration of test	I hr

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
sand	0	60			
limestone	60	I25	I25	II0	fresh

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

Is water clear or cloudy? clear

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

Drilling firm F.A. McLean & Son

Address

Name of Driller H. Sally

Address

Licence Number

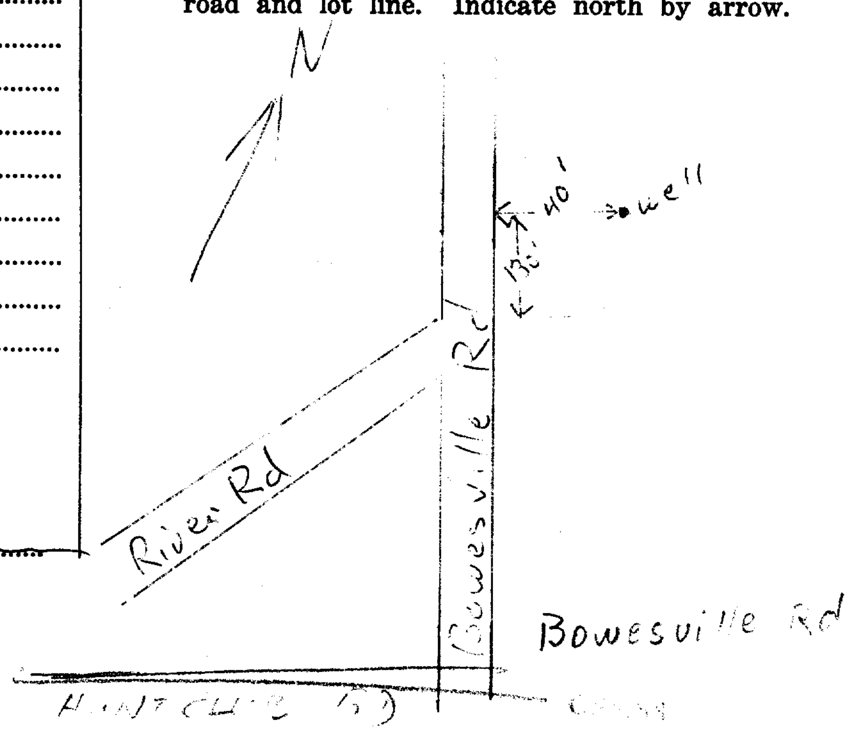
I certify that the foregoing statements of fact are true.

Date June 2,

Signature of Licensee

Location of Well

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



Form 5

UTM | 18 Z | 4145810 E
| 9 R | 5012141 7410 N
Elev. | 9 R | 02510
Basin | 25 | | |

15 No 8796

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District Carleton Township, Village, Town or City Ottawa

[redacted] 23 Date completed 10 (day) Oct (month) 1959 (year)

[redacted] Address 2909 Russell Rd.

Casing and Screen Record

Inside diameter of casing 2"
Total length of casing 30 ft
Type of screen N'
Length of screen N'
Depth to top of screen N'
Diameter of finished hole 2"

Pumping Test

Static level 22 ft
Test-pumping rate 4 G.P.M.
Pumping level 55 ft
Duration of test pumping 2 hrs
Water clear or cloudy at end of test cloudy
Recommended pumping rate 3 G.P.M.
with pumping level of 55 ft

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
dugg well	0	16	95	73	fresh
Boulders, gravel, sand	16	23			
Lime stone	23	57			

Water Record

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

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

Drilling Firm Victor Cosette

Address 31 Maisonneuve
Cartierville Ont

Licence Number

Name of Driller Victor Cosette

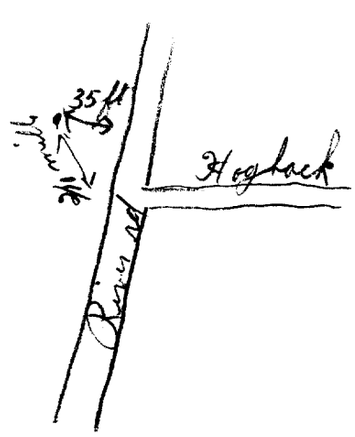
Address Maisonneuve Cartierville Co

Date 10 Oct 1959

Victor Cosette
(Signature of Licensed Drilling Contractor)

Location of Well

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



RIVER ROAD

Form 5
15M-58-4149

UTM | 1 | 8 | Z | 4 | 4 | 5 | 8 | 6 | 0 | E
5 | R | 5 | 0 | 2 | 0 | 9 | 4 | 0 | N
Elev. | 4 | R | 0 | 3 | 2 | 5
Basin | 2 | 5

The Ontario Water Resources Commission Act, 1957

GROUND WATER BRANCH
APR 6 1960
ONTARIO WATER RESOURCES COMMISSION

15 No. 8810

WATER WELL RECORD

County or District: Carleton
Township, Village, Town or City: (City) Ottawa
Con.: S/W Cor. Riverside Drive & Bowesville Rd. Lot
Date completed: 29 (day) March (month) 1960 (year)
Owner: Imperial Oil Limited (print in block letters)
Address: Leaside Ont.

Casing and Screen Record

Inside diameter of casing	6 1/4"
Total length of casing	67 ft
Type of screen	Nil
Length of screen	—
Depth to top of screen	—
Diameter of finished hole	6"

Pumping Test

Static level	15'
Test-pumping rate	20 G.P.M.
Pumping level	17'
Duration of test pumping	1 hour
Water clear or cloudy at end of test	clear
Recommended pumping rate	20 G.P.M.
with pumping level of	17'

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Sand	0'	67'	160'	145'	fresh
Limestone	67'	180'			

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

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

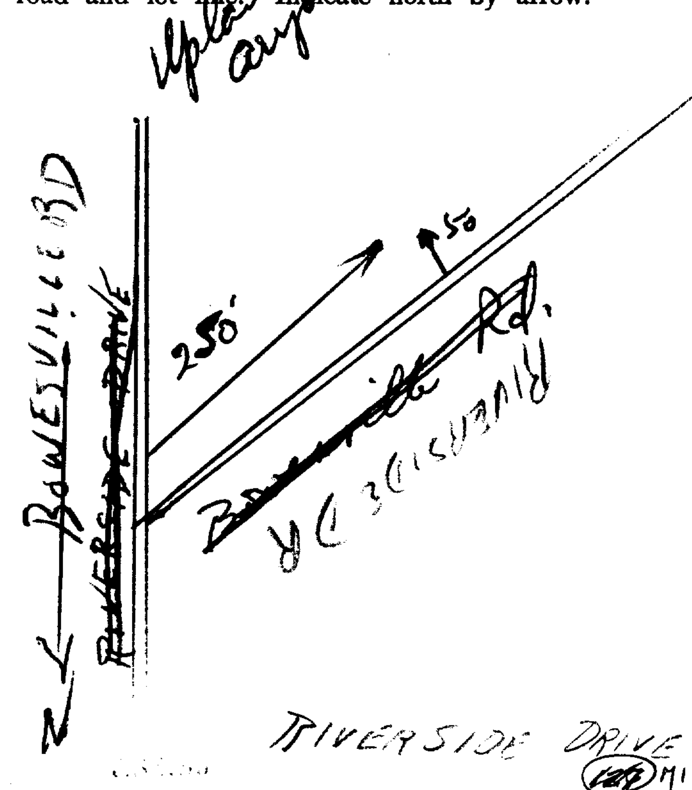
Drilling Firm: Blair Phillips Drilling Co. Ltd.
Address: 112 Falaise Rd.
Ottawa

Licence Number:
Name of Driller: M. Hartman
Address: Ottawa
Date: 29 March 1960

(Signature of Licensed Drilling Contractor)

Location of Well

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



MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31 G 5 b

Ontario

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

11 | 1513706 | MUNICIP. 15502 | CON.

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, TOWN, VILLAGE: Ottawa
CON., BLOCK, TRACT, SURVEY, ETC.: City of Gloucester
DATE COMPLETED: DAY 08 MO. 12 YR. 73
[redacted] Riverside Dr. Box 2 R.R. # 5 Ottawa
UTM: 20789 | RC. 4 | ELEVATION 0330 | RC. 4 | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
brown	sand		packed	0	30
grey	"	stones		30	65
grey	"	boulders		65	80
grey	hardpan	boulders		80	103
grey	sandstone		med. hard	103	160
grey	limestone		med. hard	160	210

31: 03061279 | 00652281 24 | 00802281 13 | 01032141 13 | 01692187873 | 02192157873
32:

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0180	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0205	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
[redacted]	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 [redacted]	188	0	0110
05			110	210
05	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		110	0210
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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

71 PUMPING TEST

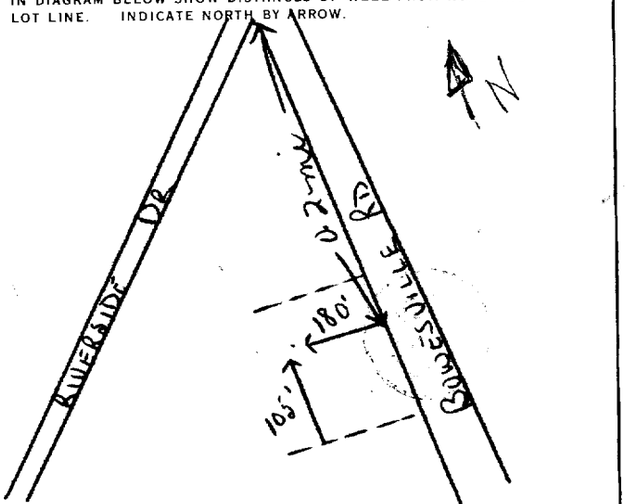
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0005 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
027 FEET	115 FEET	075 FEET	090 FEET	115 FEET	115 FEET

IF FLOWING GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 200 FEET
RECOMMENDED PUMPING RATE: 0005 GPM
GPM./FT. SPECIFIC CAPACITY:

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

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

WATER USE 05

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 DRILLING 1

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. | LICENCE NUMBER: 1558
ADDRESS: Box 490 Stittsville, Ont.
NAME OF DRILLER OR BORER: J. Moore | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE DAY 11 MO. 12 YR. 73

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 14 01 74
DATE OF INSPECTION 16/5/79 | INSPECTOR K/J.P.P.
REMARKS: APL
P
WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

3/9/56

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

11 | 1514766 | MUNICIP 15504 | CON. RF | 02

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
Carleton	Gloucester OTT CITY	2	24-25 004

[redacted] of 305, RR#5, Ottawa

DATE COMPLETED: DAY 11 MO. 06 YR. 75

20880 4 | ELEVATION 0325 | 4 | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sand		loose	0	5
grey	hardpan	boulders	packed	5	21
black	limestone		hard	21	45
grey	sandstone		hard	45	73

31 | 0005628 11 | 0021214 13 79 | 0045815 73 | 0073218 73

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0065	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
0072	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
~~6¼~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ ~~OPEN HOLE~~	188	0 ~~25~~	~~25~~ 0025 ~~73~~
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0073
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

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.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 0007 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
010 FEET	040 FEET	040 FEET	040 FEET	040 FEET	040 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

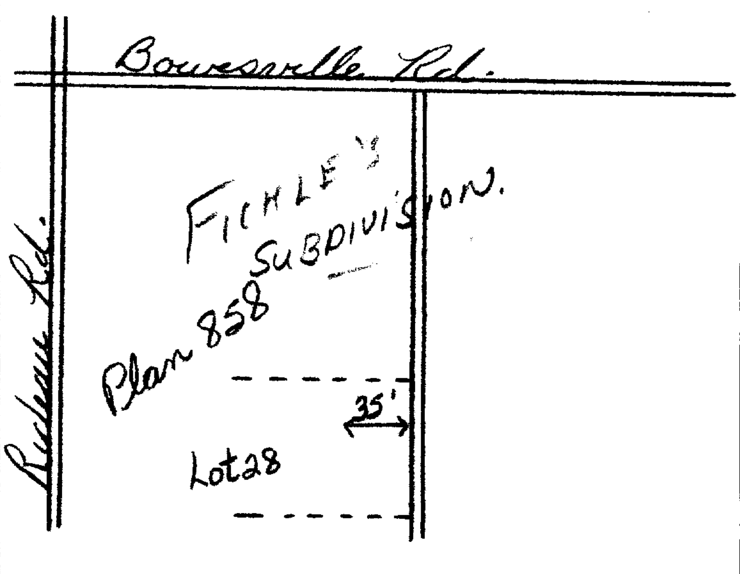
IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 050 FEET
RECOMMENDED PUMPING RATE: 0005 GPM

50-53 ____ GPM./FT. SPECIFIC CAPACITY

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

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

WATER USE 01

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

METHOD OF DRILLING 5

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd — LICENCE NUMBER: 1558
ADDRESS: Box 490 Stittsville Ont
NAME OF DRILLER OR BORER: M. Hamilton — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: W. Kavanagh — SUBMISSION DATE: DAY 12 MO. 6 YR. 75

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1558 | DATE RECEIVED: 1707 75
DATE OF INSPECTION: | INSPECTOR: Km
REMARKS: | P95 | WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below) A030415

A030415

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN ____ CON ____ LOT ____

Well Owner's Information and Location of Well Information

[redacted]

OTTAWA - City | OTTAWA | 20 | 2

RR#/Street Number/Name: 32 Kimberwick Cres. | City/Town/Village: OTTAWA | Site/Compartment/Block/Tract etc.: 4M 624

GPS Reading: NAD 83 | Zone 18 | Easting 445732 | Northing 5021136 | Unit Make/Model: Magellan | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Red	Clay		Soft	0	2.42
Grey	Clay		Soft	2.42	17.27
Grey	Limestone.		Hard.	17.27	90.90

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	6.06	20.32

Water Record

Water found at Metres / Kind of Water

79.24 ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Casing

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
15.55	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	0	17.27
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam	Material	Slot No.		
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

No Casing or Screen

15.23 ☑ Open hole | 17.27 | 90.90

Test of Well Yield

Pumping test method: Submercible

Pump intake set at (metres): 37.87

Pumping rate (litres/min): 225.00

Duration of pumping: 1 hrs + 00 min

Final water level end of pumping: 12.84 metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth: 37.87 metres

Recommended pump rate: 67.50 (litres/min)

If flowing give rate - (litres/min):

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		12.32		12.84
1	12.68		1	12.45
2	12.69		2	12.44
3	12.70		3	12.43
4	12.71		4	12.42
5	12.72		5	12.42
10	12.74		10	12.41
15	12.76		15	12.40
20	12.77		20	12.39
25	12.79		25	12.39
30	12.80		30	12.38
40	12.81		40	12.32
50	12.83		50	
60	12.84		60	

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.06	Cement Grout	120 kg.

Method of Construction

☐ Cable Tool ☑ Rotary (air) ☐ Diamond ☑ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☑ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: DAR-WATER-well-Drilling | Well Contractor's Licence No.: 6006

Business Address (street name, number, city etc.): RR. St-Albert ON

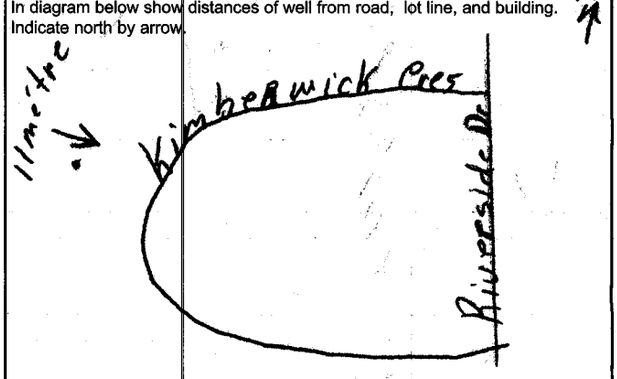
Name of Well Technician (last name, first name): Desnoyers Louis | Well Technician's Licence No.: T-625

Signature of Technician/Contractor: X [signature] | Date Submitted YYYY MM DD: 2006 06 16

Location of Well

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

N/A



Audit No. Z 32843

Date Well Completed YYYY MM DD: 2006 06 02

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered YYYY MM DD: 2006 06 02

Ministry Use Only

Data Source | Contractor: 6006

Date Received YYYY MM DD: JUL 10 2006 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐

Cette formule est disponible en français

Mandy Witteman

From: Public Information Services <publicinformationservices@tssa.org>
Sent: May 27, 2021 1:09 PM
To: Mandy Witteman
Subject: RE: Search Records Request (PE5280)

Follow Up Flag: Follow up
Flag Status: Flagged

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: Mandy Witteman <MWitteman@Patersongroup.ca>
Sent: May 27, 2021 11:44 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Search Records Request (PE5280)

[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 Morning,

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, ON:**

Bowesville Rd N: 3750, 3812, 3811
Riversside Drive: 3755, 3735, 3705

Thank you

Cheers,

Mandy Witteman, B.Eng., M.A.Sc.

patersongroup

solution oriented engineering
over 60 years servicing our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 339
Cell: (403) 921-1157

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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:** 3750 North Bowesville Road, Ottawa ON

** Mandatory Field*

Applicant/Agent Information:

Name: Mandy Witteman

Mailing Address: 154 Colonnade Road SouthOttawa, Ontario, K2E 7J5

Telephone: 403-921-1157 Email Address: MWitteman@Patersongroup.ca

Registered Property Owner Information: ☐ Same as above

Name: Jennings Development (Ken Jennings)

Mailing Address: Suite 370, 18 Louisa Street, Ottawa ON

Telephone: (613)668-3459 Email Address: kjennings@jenningsdevelopments.com

Site Details

Legal Description and PIN:

What is the land currently used for? *Commerical*

Lot frontage: ____ m Lot depth: ____ m Lot area: ____ m²

OR Lot area: (irregular lot) 6804 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 $128.00

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.

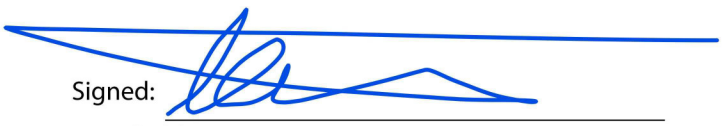
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the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

Dated (dd/mm/yyyy): 11/05/2021

Per: Mandy Witteman
(Please print name)

Title: Environmental Consultant

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
Archaeological Services

www.patersongroup.ca

April 28, 2021
File: PE526X-HLUI

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

Subject: **Authorization Letter, HLUI Search**
Phase I-Environmental Site Assessment
3750 North Bowesville Rd, Ottawa, ON

Dear Sir,

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: Jennings Real Estate Corp.

Name of Representative Ken Jennings

Signature of Representative

Date May 10, 2021

DATABASE REPORT

Project Property:	*PE527x - 3750 North Bowesville Road* *PE527x - 3750 North Bowesville Road* *Ottawa ON K1V 1B8*
Project No:	*31694*
Report Type:	*Standard Report*
Order No:	*21042700046*
Requested by:	*Paterson Group Inc.*
Date Completed:	*April 30, 2021*

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

Table of Contents

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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Executive Summary

Property Information:

Project Property:	*PE527x - 3750 North Bowesville Road* *PE527x - 3750 North Bowesville Road Ottawa ON K1V 1B8*
Project No:	*31694*

Coordinates:

Latitude:	*45.3409815*
Longitude:	*-75.6894226*
UTM Northing:	*5,021,061.41*
UTM Easting:	*445,986.22*
UTM Zone:	*18T*

Elevation:	*325 FT* *98.96 M*

Order Information:

Order No:	*21042700046*
Date Requested:	*April 27, 2021*
Requested by:	*Paterson Group Inc.*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	2	2
CA	*Certificates of Approval*	Y	0	3	3
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	1	1
ECA	*Environmental Compliance Approval*	Y	0	2	2
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	2	2
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	3	3
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	8	8
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	6	6
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
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	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
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	2	2
SCT	Scott's Manufacturing Directory	Y	0	2	2
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
	Total:	0	39	39	

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		lot 4 con 2 ON ***Well ID:*** 1514766	WNW/68.8	-1.08	20
2	WWIS		ON ***Well ID:*** 1513706	ESE/102.8	0.61	23
3	SCT	COGNOS INCORPORATED	3755 RIVERSIDE DR OTTAWA ON K1V 1B7	WSW/128.1	-0.08	27
3	SCT	COGNOS INC.	3755 Riverside Dr Ottawa ON K1V 1B7	WSW/128.1	-0.08	28
3	CA		Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr P.O. Box 9707, Stn. T Ottawa ON K1V 1B7	WSW/128.1	-0.08	28
3	EBR	Cognos Incorporated	Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr Ottawa Ontario K1G 4K9 Ottawa ON	WSW/128.1	-0.08	28
3	EHS		3755 Riverside Drive Ottawa ON	WSW/128.1	-0.08	29
3	CA	IBM Canada Limited	3755 Riverside Dr Ottawa ON	WSW/128.1	-0.08	29
3	GEN	IBM Canada Ltd	3755 Riverside Drive Ottawa ON	WSW/128.1	-0.08	29
3	ECA	IBM Canada Limited	3755 Riverside Dr Ottawa ON K1G 4K9	WSW/128.1	-0.08	29
3	ECA	Cognos Incorporated	Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr Ottawa ON K1G 4K9	WSW/128.1	-0.08	30

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	GEN	IBM Canada Ltd	3755 Riverside Drive Ottawa ON K1G 4K9	WSW/128.1	-0.08	30
3	GEN	IBM Canada Ltd	3755 Riverside Drive Ottawa ON K1G 4K9	WSW/128.1	-0.08	30
3	SPL	IBM Canada Limited	3755 Riverside Dr Ottawa ON K1G 4K9	WSW/128.1	-0.08	31
3	GEN	IBM Canada Ltd	3755 Riverside Drive Ottawa ON K1G 4K9	WSW/128.1	-0.08	31
4	WWIS		ON ***Well ID:*** 1508810	NW/138.7	-2.00	32
5	BORE		ON	NW/138.8	-2.00	34
6	BORE		ON	WSW/184.5	0.22	35
7	WWIS		ON ***Well ID:*** 1508796	WSW/184.6	0.22	36
8	PRT	RIVERSIDE ESSO J BROOKS AGENT	3705 RIVERSIDE DR OTTAWA ON K1V1G8	NNW/184.9	-3.20	39
8	RST	ESSO SHOP	3705 RIVERSIDE DR OTTAWA ON K1V1G8	NNW/184.9	-3.20	39
8	RST	RIVERSIDE ESSO	3705 RIVERSIDE DR OTTAWA ON K1V 1G8	NNW/184.9	-3.20	39
8	EHS		3705 Riverside Drive Ottawa ON K1V 1G8	NNW/184.9	-3.20	39
8	FST	MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	FST	MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	40
8	FST	MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	41
8	FST	MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	41
8	GEN	Imperial Oil	3705 Riverside Drive Ottawa ON	NNW/184.9	-3.20	42
8	GEN	Imperial Oil	3705 Riverside Drive Ottawa ON	NNW/184.9	-3.20	42
8	EXP	1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	42
8	EXP	1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	43
8	EXP	1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	43
8	FST	1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	43
8	FST	1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	44
8	FST		3705 RIVERSIDE DR OTTAWA ON K1V 1G8	NNW/184.9	-3.20	44
8	FST	1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW/184.9	-3.20	45

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	CA	NEWILL CORPORATION-LOTS 5&6, CONC. 2	RIVERSIDE DR./KIMBERWICK CR. OTTAWA CITY ON	NW/191.6	-3.00	45
10	WWIS		ON ***Well ID:*** 7193375	NNW/221.1	-3.00	45
11	PINC		36 Chatsworth Ave,Ottawa ON	ENE/225.6	-1.08	46

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WSW	184.52	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	NW	138.77	5

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
IBM Canada Limited	3755 Riverside Dr Ottawa ON	WSW	128.08	3
	Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr P.O. Box 9707, Stn. T Ottawa ON K1V 1B7	WSW	128.08	3
NEWILL CORPORATION-LOTS 5&6, CONC. 2	RIVERSIDE DR./KIMBERWICK CR. OTTAWA CITY ON	NW	191.55	9

EBR - Environmental Registry

A search of the EBR database, dated 1994-Mar 31, 2021 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Cognos Incorporated	Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr Ottawa Ontario K1G 4K9 Ottawa	WSW	128.08	3

ON

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Mar 31, 2021 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
IBM Canada Limited	3755 Riverside Dr Ottawa ON K1G 4K9	WSW	128.08	3
Cognos Incorporated	Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr Ottawa ON K1G 4K9	WSW	128.08	3

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	3755 Riverside Drive Ottawa ON	WSW	128.08	3
	3705 Riverside Drive Ottawa ON K1V 1G8	NNW	184.88	8

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Jul 31, 2020 has found that there are 3 EXP site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA	NNW	184.88	8

ON

FST - Fuel Storage Tank

A search of the FST database, dated Jul 31, 2020 has found that there are 8 FST site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
	3705 RIVERSIDE DR OTTAWA ON K1V 1G8	NNW	184.88	8
1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
MAC'S CONVENIENCE STORES INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8
1343615 ONTARIO INC	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	NNW	184.88	8

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2021 has found that there are 6 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
IBM Canada Ltd	3755 Riverside Drive Ottawa ON K1G 4K9	WSW	128.08	3
IBM Canada Ltd	3755 Riverside Drive Ottawa ON K1G 4K9	WSW	128.08	3
IBM Canada Ltd	3755 Riverside Drive Ottawa ON	WSW	128.08	3
IBM Canada Ltd	3755 Riverside Drive Ottawa ON K1G 4K9	WSW	128.08	3
Imperial Oil	3705 Riverside Drive Ottawa ON	NNW	184.88	8
Imperial Oil	3705 Riverside Drive Ottawa ON	NNW	184.88	8

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	36 Chatsworth Ave,Ottawa ON	ENE	225.65	11

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
RIVERSIDE ESSO J BROOKS AGENT	3705 RIVERSIDE DR OTTAWA ON K1V1G8	NNW	184.88	8

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Dec 31, 2020 has found that there are 2 RST site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
RIVERSIDE ESSO	3705 RIVERSIDE DR OTTAWA ON K1V 1G8	NNW	184.88	8
ESSO SHOP	3705 RIVERSIDE DR OTTAWA ON K1V1G8	NNW	184.88	8

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 2 SCT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
COGNOS INCORPORATED	3755 RIVERSIDE DR OTTAWA ON K1V 1B7	WSW	128.08	3
COGNOS INC.	3755 Riverside Dr Ottawa ON K1V 1B7	WSW	128.08	3

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
IBM Canada Limited	3755 Riverside Dr Ottawa ON K1G 4K9	WSW	128.08	3

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1513706	ESE	102.76	2
	ON	WSW	184.58	7

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1508796			

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 4 con 2 ON ***Well ID:*** 1514766	WNW	68.77	1
	ON ***Well ID:*** 1508810	NW	138.72	4
	ON ***Well ID:*** 7193375	NNW	221.09	10

Map: 0.25 Kilometer Radius

Order Number: 21042700046

Address: PE527x - 3750 North Bowesville Road, Ottawa, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

© ERIS Information Limited Partnership

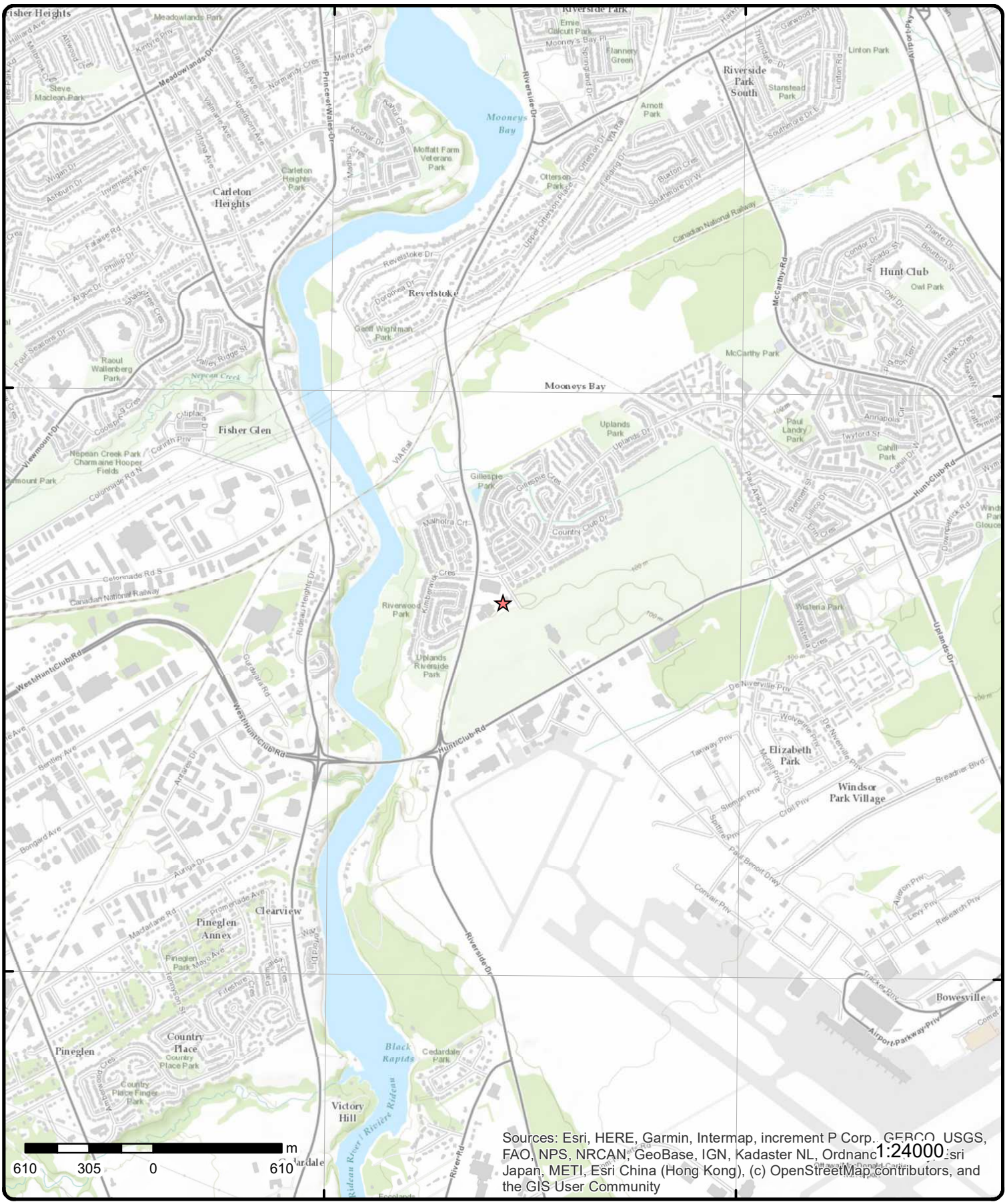
Aerial **Year: 2008**

Order Number: 21042700046

Address: PE527x - 3750 North Bowesville Road, Ottawa, ON

Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Order Number: 21042700046

Address: PE527x - 3750 North Bowesville 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	WNW/68.8	97.9 / -1.08	lot 4 con 2 ON	WWIS

Well ID:	1514766	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/17/1975
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	004
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	RF
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/151\1514766.pdf

Bore Hole Information

Bore Hole ID:	10036736	**Elevation:**	98.568824
DP2BR:	21	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	445930.7
Code OB Desc:	Bedrock	**North83:**	5021102
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/11/1975	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931027256
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13

Mat2 Desc: BOULDERS
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 5
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931027255
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931027257
Layer: 3
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 21
Formation End Depth: 45
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931027258
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 45
Formation End Depth: 73
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961514766

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

Pipe Information

Pipe ID: 10585306
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930064939
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 73
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930064938
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991514766
Pump Set At:
Static Level: 10
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5
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: 934902056
Test Type: Draw Down
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934383598
Test Type:	Draw Down
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644586
Test Type:	Draw Down
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934100582
Test Type:	Draw Down
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933470715
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72
Water Found Depth UOM:	ft

Water Details

Water ID:	933470714
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

---

2 ***1 of 1*** ***ESE/102.8*** ***99.6 / 0.61*** ***ON*** ***WWIS***

Well ID:	1513706	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Commerical	***Date Received:***	1/14/1974
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
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:***	
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:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513706.pdf

Bore Hole Information

Bore Hole ID:	10035688	***Elevation:***	100.982765
DP2BR:	103	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	446080.7
Code OB Desc:	Bedrock	***North83:***	5021021
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/8/1973	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931024257
Layer:	6
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	160
Formation End Depth:	210
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024252
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024253
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024254
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024256
Layer:	5
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	103
Formation End Depth:	160
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024255
Layer:	4
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	103

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513706
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10584258
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930063117
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 110
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930063118
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 210
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513706
Pump Set At:
Static Level: 27
Final Level After Pumping: 115
Recommended Pump Depth: 200
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
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: 934898201
Test Type: Draw Down
Test Duration: 60
Test Level: 115
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934640727
Test Type: Draw Down
Test Duration: 45
Test Level: 115
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934099494
Test Type: Draw Down
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934379734
Test Type: Draw Down
Test Duration: 30
Test Level: 90
Test Level UOM: ft

Water Details

Water ID: 933469379
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 205
Water Found Depth UOM: ft

Water Details

Water ID: 933469378
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 180
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 13	WSW/128.1	98.9 / -0.08	COGNOS INCORPORATED 3755 RIVERSIDE DR OTTAWA ON K1V 1B7	SCT

Established: 1969
Plant Size (ft²): 0
Employment: 500

--Details--
Description: MAGNETIC AND OPTICAL RECORDING MEDIA
SIC/NAICS Code: 3695

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	2 of 13	WSW/128.1	98.9 / -0.08	COGNOS INC. 3755 Riverside Dr Ottawa ON K1V 1B7	SCT

Established: 1969
Plant Size (ft²): 0
Employment: 500

--Details--
Description: Software Publishers
SIC/NAICS Code: 511210

Description: Manufacturing and Reproducing Magnetic and Optical Media
SIC/NAICS Code: 334610

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	3 of 13	WSW/128.1	98.9 / -0.08	Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr P.O. Box 9707, Stn. T Ottawa ON K1V 1B7	CA

Certificate #: 3975-57CM5H
Application Year: 02
Issue Date: 2/27/02
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: Cognos Incorporated
Client Address: 3755 Riverside Drive, P.O. Box 9707, Stn. T
Client City: Ottawa
Client Postal Code: K1G 4K9
Project Description: Cognos Riverside II is a new 10 storey office tower located at the existing Cognos Campus near Uplands Drive on Riverside Drive. Also on the site are a new 4 level parking structure and an existing 6 storey office tower. This application covers the emission of NOx from the following equipment: New 10 storey office tower: - One (1) 1000 kw emergency diesel generator - Three (3) 3000 MBTU gas fired boilers - Two (2) 250 MBH gas fired domestic water heaters - One (1) 999 MBH gas fired make-up air unit New 4 level parking structure: -One (1) 1260 MBTU gas fired boiler - One (1) 1800 MBTU gas fired boiler The equipment is located and exhausted as shown on the enclosed site plan The NOx emissions from the listed equipment are below Ministry of Environment acceptable limits. The noise levels emitted from the listed equipment are below Ministry of Environment acceptable levels.
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	4 of 13	WSW/128.1	98.9 / -0.08	Cognos Incorporated Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr Ottawa Ontario K1G 4K9 Ottawa ON	EBR

EBR Registry No: IA01E1076
Ministry Ref No: 1307-4YWS26
Notice Type: Instrument Decision
Notice Stage:
Notice Date: March 04, 2002
Proposal Date: July 24, 2001
Year: 2001
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: Cognos Incorporated
Site Address:
Location Other:
Proponent Name:

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

Proponent Address: 3755 Riverside Drive, P.O. Box 9707, Stn. T, Ottawa Ontario, K1G 4K9
Comment Period:
URL:

Site Location Details:

Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr Ottawa Ontario K1G 4K9 Ottawa

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3 ***5 of 13*** ***WSW/128.1*** ***98.9 / -0.08*** ***3755 Riverside Drive Ottawa ON*** ***EHS***

Order No:	20071212001	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	CAN - Complete Report	***Client Prov/State:***	
Report Date:	12/20/2007	***Search Radius (km):***	0.25
Date Received:	12/12/2007	***X:***	-75.690443
Previous Site Name:		***Y:***	45.341275
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps And /or Site Plans		

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3 ***6 of 13*** ***WSW/128.1*** ***98.9 / -0.08*** ***IBM Canada Limited 3755 Riverside Dr Ottawa ON*** ***CA***

Certificate #:	7055-7YHRCF
Application Year:	2009
Issue Date:	12/8/2009
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

---

3 ***7 of 13*** ***WSW/128.1*** ***98.9 / -0.08*** ***IBM Canada Ltd 3755 Riverside Drive Ottawa ON*** ***GEN***

Generator No:	ON8574389	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2011	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	541510		
SIC Description:			

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3 ***8 of 13*** ***WSW/128.1*** ***98.9 / -0.08*** ***IBM Canada Limited 3755 Riverside Dr Ottawa ON K1G 4K9*** ***ECA***

Approval No:	7055-7YHRCF	***MOE District:***	Ottawa
Approval Date:	2009-12-08	***City:***	
Status:	Approved	***Longitude:***	-75.690346
Record Type:	ECA	***Latitude:***	45.340855
Link Source:	IDS	***Geometry X:***	

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

SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: IBM Canada Limited
Address: 3755 Riverside Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1735-7WVRB2-14.pdf
Geometry Y:

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3 | **9 of 13** | **WSW/128.1** | **98.9 / -0.08** | **Cognos Incorporated**
Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr
Ottawa ON K1G 4K9 | **ECA**

Approval No: 3975-57CM5H
Approval Date: 2002-02-27
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Cognos Incorporated
Address: Pt Lot 4, Conc 2 (Rideau Front); 3755 Riverside Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1307-4YWS26-14.pdf
MOE District: Ottawa
City:
Longitude: -75.690346
Latitude: 45.340855
Geometry X:
Geometry Y:

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3 | **10 of 13** | **WSW/128.1** | **98.9 / -0.08** | **IBM Canada Ltd**
3755 Riverside Drive
Ottawa ON K1G 4K9 | **GEN**

Generator No: ON8574389
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 263 H
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

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3 | **11 of 13** | **WSW/128.1** | **98.9 / -0.08** | **IBM Canada Ltd**
3755 Riverside Drive
Ottawa ON K1G 4K9 | **GEN**

Generator No: ON8574389
Status: Registered
PO Box No:
Country: Canada

Approval Years:	As of Jul 2020	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	145 L
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
Waste Class:	263 H
Waste Class Desc:	Misc. waste organic chemicals

---

3 ***12 of 13*** ***WSW/128.1*** ***98.9 / -0.08*** ***IBM Canada Limited*** ***SPL***
3755 Riverside Dr
Ottawa ON K1G 4K9

Ref No:	6070-BADR4A	***Discharger Report:***	
Site No:	9951-4YWS2G	***Material Group:***	
Incident Dt:	3/11/2019	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	24	***Nearest Watercourse:***	
Contaminant Name:	GLYCOL/WATER SOLUTION	***Site Address:***	3755 Riverside Dr
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	K1G 4K9
Contaminant UN No 1:	n/a	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	NA
Receiving Env:		***Northing:***	NA
MOE Response:	No	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	NA
MOE Reported Dt:	3/18/2019	***Site Map Datum:***	NA
Dt Document Closed:	3/22/2019	***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	3755 Riverside Drive		
Site County/District:	NA		
Site Geo Ref Meth:	NA		
Incident Summary:	IBM 1323 L of glycol to sanitary sewer		
Contaminant Qty:	1323 L		

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3 ***13 of 13*** ***WSW/128.1*** ***98.9 / -0.08*** ***IBM Canada Ltd*** ***GEN***
3755 Riverside Drive
Ottawa ON K1G 4K9

Generator No:	ON8574389	***PO Box No:***	
Status:	Registered	***Country:***	Canada

Approval Years: As of Jan 2021
Choice of Contact:
Contam. Facility:
Co Admin:
MHSW Facility:
Phone No Admin:
SIC Code:
SIC Description:

Detail(s)

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 263 H
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

---

4 **1 of 1** **NW/138.7** **97.0 / -2.00** **ON** **WWIS**

Well ID: 1508810
Construction Date:
Primary Water Use: Commerical
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/6/1960
Selected Flag: Yes
Abandonment Rec:
Contractor: 4216
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508810.pdf

Bore Hole Information

Bore Hole ID: 10030844
DP2BR: 67
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 3/29/1960
Remarks:

Elevation: 97.717315
Elevrc:
Zone: 18
East83: 445890.7
North83: 5021162
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931010659
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 67
Formation End Depth: 180
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010658
Layer: 1
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 67
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508810
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579414
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054322
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:	
Depth To:	67
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930054323
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	180
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508810
Pump Set At:	
Static Level:	15
Final Level After Pumping:	17
Recommended Pump Depth:	17
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933463491
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	160
Water Found Depth UOM:	ft

5 ***1 of 1*** ***NW/138.8*** ***97.0 / -2.00*** ***ON*** ***BORE***

Borehole ID:	612416	***Inclin FLG:***	No
OGF ID:	215513725	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAR-1960	***Municipality:***	
Static Water Level:	36.9	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.34188
Total Depth m:	54.9	***Longitude DD:***	-75.690653
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	445891
Drill Method:		***Northing:***	5021162

Orig Ground Elev m:	99.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	97.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218391205	**Mat Consistency:**	
Top Depth:	20.4	**Material Moisture:**	
Bottom Depth:	54.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 00160ERS. LIMESTONE. GREY. 00098LE AT 204.0 FEET.BEDROCK. GREY. . 00 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218391204	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	20.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04924 NTS_Sheet:		
Confiden 1:			

Source List

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

---

6 ***1 of 1*** ***WSW/184.5*** ***99.2 / 0.22*** ***ON*** ***BORE***

Borehole ID:	612407	**Inclin FLG:**	No
OGF ID:	215513716	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	OCT-1959	**Municipality:**	

Static Water Level:	-62.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.340075
Total Depth m:	76.2	**Longitude DD:**	-75.691396
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	445831
Drill Method:		**Northing:**	5020962
Orig Ground Elev m:	0	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	101		
Concession:			
Location D:			
Survey D:			
Comments:			

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04915 NTS_Sheet:		
Confiden 1:			

Source List

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

---

7 **1 of 1** **WSW/184.6** **99.2 / 0.22** **ON** **WWIS**

Well ID:	1508796	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/12/1959
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1628
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:**	
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508796.pdf

Bore Hole Information

Bore Hole ID:	10030830	**Elevation:**	101.128425
DP2BR:	23	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	445830.7
Code OB Desc:	Bedrock	**North83:**	5020962
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	10/10/1959	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010613
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010615
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23
Formation End Depth:	97
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010614
Layer:	2
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	09

Mat3 Desc: MEDIUM SAND
Formation Top Depth: 16
Formation End Depth: 23
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508796
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10579400
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054293
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054294
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 97
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508796
Pump Set At:
Static Level: 22
Final Level After Pumping: 55
Recommended Pump Depth: 55
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 3
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: 0
Flowing: No

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

Water Details

Water ID:	933463472
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	95
Water Found Depth UOM:	ft

---

8 ***1 of 17*** ***NNW/184.9*** ***95.8 / -3.20*** ***RIVERSIDE ESSO J BROOKS AGENT*** ***PRT***
3705 RIVERSIDE DR
OTTAWA ON K1V1G8

Location ID:	11076
Type:	retail
Expiry Date:	1995-09-30
Capacity (L):	70370
Licence #:	0076426568

---

8 ***2 of 17*** ***NNW/184.9*** ***95.8 / -3.20*** ***ESSO SHOP*** ***RST***
3705 RIVERSIDE DR
OTTAWA ON K1V1G8

Headcode:	1186800
Headcode Desc:	Service Stations-Gasoline, Oil & Natural Gas
Phone:	6137399724
List Name:	
Description:	

---

8 ***3 of 17*** ***NNW/184.9*** ***95.8 / -3.20*** ***RIVERSIDE ESSO*** ***RST***
3705 RIVERSIDE DR
OTTAWA ON K1V 1G8

Headcode:	1186800
Headcode Desc:	Service Stations-Gasoline, Oil & Natural Gas
Phone:	6137399724
List Name:	
Description:	

---

8 ***4 of 17*** ***NNW/184.9*** ***95.8 / -3.20*** ***3705 Riverside Drive*** ***EHS***
Ottawa ON K1V 1G8

Order No:	20120214071	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	2/24/2012	***Search Radius (km):***	0.25
Date Received:	2/14/2012 2:49:24 PM	***X:***	-75.690339
Previous Site Name:		***Y:***	45.342499
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans;		

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8 ***5 of 17*** ***NNW/184.9*** ***95.8 / -3.20*** ***MAC'S CONVENIENCE STORES INC*** ***FST***
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
ON

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

Instance No:	10906497	**Manufacturer:**	NULL
Status:	Active	**Serial No:**	NULL
Cont Name:		**Ulc Standard:**	NULL
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	1
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	EA
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Single Wall UST	**Fuel Type2:**	NULL
Install Date:	5/21/2009	**Fuel Type3:**	NULL
Install Year:	1988	**Piping Steel:**	
Years in Service:	1.9	**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	31800	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	NULL
Corrosion Protect:	Fiberglass	**Panam Venue:**	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
Device Installed Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

Fuel Storage Tank Details

Owner Account Name: MAC'S CONVENIENCE STORES INC

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: MAC'S CONVENIENCE STORES INC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	6 of 17	NNW/184.9	95.8 / -3.20	MAC'S CONVENIENCE STORES INC 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	FST

Instance No:	10906488	**Manufacturer:**	NULL
Status:	Active	**Serial No:**	NULL
Cont Name:		**Ulc Standard:**	NULL
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	1
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	EA
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Single Wall UST	**Fuel Type2:**	NULL
Install Date:	5/21/2009	**Fuel Type3:**	NULL
Install Year:	1988	**Piping Steel:**	
Years in Service:	1.9	**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	31800	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	NULL
Corrosion Protect:	Fiberglass	**Panam Venue:**	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
Device Installed Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

Fuel Storage Tank Details

Owner Account Name: MAC'S CONVENIENCE STORES INC

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: MAC'S CONVENIENCE STORES INC

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8 | **7 of 17** | **NNW/184.9** | **95.8 / -3.20** | **MAC'S CONVENIENCE STORES INC**
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON | **FST**

Instance No:	10906512	**Manufacturer:**	NULL
Status:	Active	**Serial No:**	NULL
Cont Name:		**Ulc Standard:**	NULL
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	1
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	EA
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Single Wall UST	**Fuel Type2:**	NULL
Install Date:	5/21/2009	**Fuel Type3:**	NULL
Install Year:	1988	**Piping Steel:**	
Years in Service:	1.9	**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	31800	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	NULL
Corrosion Protect:	Fiberglass	**Panam Venue:**	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
Device Installed Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

Fuel Storage Tank Details

Owner Account Name: MAC'S CONVENIENCE STORES INC

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: MAC'S CONVENIENCE STORES INC

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8 | **8 of 17** | **NNW/184.9** | **95.8 / -3.20** | **MAC'S CONVENIENCE STORES INC**
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON | **FST**

Instance No:	10906503	**Manufacturer:**	NULL
Status:	Active	**Serial No:**	NULL
Cont Name:		**Ulc Standard:**	NULL
Instance Type:	FS Liquid Fuel Tank	**Quantity:**	1
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	EA
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Single Wall UST	**Fuel Type2:**	NULL
Install Date:	5/21/2009	**Fuel Type3:**	NULL
Install Year:	1988	**Piping Steel:**	
Years in Service:	1.9	**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	31800	**Num Underground:**	
Tank Material:	Fiberglass (FRP)	**Panam Related:**	NULL
Corrosion Protect:	Fiberglass	**Panam Venue:**	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
Device Installed Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

Fuel Storage Tank Details

Owner Account Name: MAC'S CONVENIENCE STORES INC

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: MAC'S CONVENIENCE STORES INC

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8 | ***9 of 17*** | ***NNW/184.9*** | ***95.8 / -3.20*** | ***Imperial Oil 3705 Riverside Drive Ottawa ON*** | ***GEN***

Generator No: ON8677772
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 447110
SIC Description: Gasoline Stations with Convenience Stores
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

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8 | ***10 of 17*** | ***NNW/184.9*** | ***95.8 / -3.20*** | ***Imperial Oil 3705 Riverside Drive Ottawa ON*** | ***GEN***

Generator No: ON8677772
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 447110
SIC Description:
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

---

8 | ***11 of 17*** | ***NNW/184.9*** | ***95.8 / -3.20*** | ***1343615 ONTARIO INC 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON*** | ***EXP***

Instance No: 64533186
Status: EXPIRED
Instance ID:
Instance Type:
Instance Creation Dt: 7/9/2012 6:29:30 AM
Instance Install Dt: 7/9/2012 6:29:30 AM
Item:
Item Description: FS Liquid Fuel Tank
Facility Type: FS LIQUID FUEL TANK
Overfill Prot Type: Alarm
Creation Date: 7/9/2012 6:30:25 AM
Expired Date:
Manufacturer: NULL
Source: FS Liquid Fuel Tank
Description: 2012V AMB
Model: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:
Panam Related: NULL
Panam Venue Nm: NULL

Serial No: NULL
Ulc Standard: NULL
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

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8 | **12 of 17** | **NNW/184.9** | **95.8 / -3.20** | **1343615 ONTARIO INC**
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
ON | **EXP**

Instance No:	64533187	**Model:**	NULL
Status:	EXPIRED	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	7/9/2012 6:30:42 AM	**Fuel Type3:**	NULL
Instance Install Dt:	7/9/2012 6:29:30 AM	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	Alarm	**Tank Underground:**	
Creation Date:	7/9/2012 6:30:42 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		

Source: FS Liquid Fuel Tank
Description: 2012V AMB
Serial No: NULL
Ulc Standard: NULL
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

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8 | **13 of 17** | **NNW/184.9** | **95.8 / -3.20** | **1343615 ONTARIO INC**
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
ON | **EXP**

Instance No:	64533188	**Model:**	NULL
Status:	EXPIRED	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	7/9/2012 6:30:45 AM	**Fuel Type3:**	NULL
Instance Install Dt:	7/9/2012 6:29:30 AM	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	Alarm	**Tank Underground:**	
Creation Date:	7/9/2012 6:30:45 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		

Source: FS Liquid Fuel Tank
Description: 2012V AMB
Serial No: NULL
Ulc Standard: NULL
Facility Location: 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA

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8 | **14 of 17** | **NNW/184.9** | **95.8 / -3.20** | **1343615 ONTARIO INC**
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
ON | **FST**

Instance No:	64533186	**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:	Double Wall UST	**Fuel Type2:**	NULL
Install Date:	7/9/2012 6:29:30 AM	**Fuel Type3:**	NULL
Install Year:	2012	**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:			
Facility Location:			
Device Installed Location:	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA		

Fuel Storage Tank Details

Owner Account Name: 1343615 ONTARIO INC

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8 | ***15 of 17*** | ***NNW/184.9*** | ***95.8 / -3.20*** | ***1343615 ONTARIO INC***
3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA
ON | ***FST***

Instance No:	64533188	**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:	Double Wall UST	**Fuel Type2:**	NULL
Install Date:	7/9/2012 6:29:30 AM	**Fuel Type3:**	NULL
Install Year:	2012	**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:			
Facility Location:			
Device Installed Location:	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA		

Fuel Storage Tank Details

Owner Account Name: 1343615 ONTARIO INC

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8 | ***16 of 17*** | ***NNW/184.9*** | ***95.8 / -3.20*** | ***3705 RIVERSIDE DR***
OTTAWA ON K1V 1G8 | ***FST***

Instance No:	9811716	**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:**	1
Years in Service:		**Piping Galvanized:**	1
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:					

8	17 of 17	NNW/184.9	95.8 / -3.20	1343615 ONTARIO INC 3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA ON	FST

Instance No:	64533187	**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:	Double Wall UST	**Fuel Type2:**	NULL
Install Date:	7/9/2012 6:29:30 AM	**Fuel Type3:**	NULL
Install Year:	2012	**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:			
Facility Location:			
Device Installed Location:	3705 RIVERSIDE DR OTTAWA K1V 1G8 ON CA		

Fuel Storage Tank Details

Owner Account Name: 1343615 ONTARIO INC

9	1 of 1	NW/191.6	96.0 / -3.00	NEWILL CORPORATION-LOTS 5&6, CONC. 2 RIVERSIDE DR./KIMBERWICK CR. OTTAWA CITY ON	CA

Certificate #:	7-1129-91-
Application Year:	91
Issue Date:	9/23/1991
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

10	1 of 1	NNW/221.1	96.0 / -3.00	ON	WWIS

Well ID:	7193375	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	12/11/2012

Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	1844
Casing Material:		**Form Version:**	8
Audit No:	C15838	**Owner:**	
Tag:	A122946	**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
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:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004219230	**Elevation:**	95.527786
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445900
Code OB Desc:		**North83:**	5021265
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/10/2012	**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:			

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11 | ***1 of 1*** | ***ENE/225.6*** | ***97.9 / -1.08*** | ***36 Chatsworth Ave,Ottawa ON*** | ***PINC***

Incident ID:	2696604	**Fuel Category:**	Natural Gas
Incident No:	540146	**Health Impact:**	No
Incident Reported Dt:		**Environment Impact:**	No
Type:	FS-Pipeline Incident	**Property Damage:**	Yes
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	Yes
Customer Acct Name:		**Enforce Policy:**	Yes
Incident Address:		**Public Relation:**	No
Tank Status:	RC Established	**Pipeline System:**	Transmission pipeline
Task No:	3245264	**Depth:**	40
Spills Action Centre:		**Pipe Material:**	Plastic
Fuel Type:	Natural Gas	**PSIG:**	53
Fuel Occurrence Tp:	Pipeline Strike	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:	10/13/2010 0:00	**Regulator Location:**	Outside
Occurrence Start Dt:	2011/06/06	**Method Details:**	E-mail

Operation Type: Construction Site (pipeline strike)
Pipeline Type: Main Distribution Pipeline
Regulator Type: Service Regulator (up to 60 psi intake)
Summary: 36 Chatsworth Ave,Ottawa - 1 ¼" Pipeline Hit
Reported By: Stiles, Jeff - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc: directional boring
Damage Reason: Excavation practices not sufficient
Notes: failed to hand locate

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

Unplottable Summary

Total: 47 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CAMPEAU CORP.	RIVERSIDE DR.	OTTAWA ON	
CA	CAMPEAU CORP.	RIVERSIDE DR.	OTTAWA ON	
CA	Riverwalk Park Subdivision	Kimberwick Crescent	Ottawa ON	
CA	PEREZ CORPORATION	STREET NO. 1 RIVERSIDE DR.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARL.S.E. TRANSITWAY ST. 1	E. SIDE OF RIVERSIDE DR.	OTTAWA CITY ON	
CA	J. PEREZ CORPORATION STM MGN. 3-0842-87	STREET #1 RIVERSIDE DR.	OTTAWA CITY ON	
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
ECA	City of Ottawa	Riverside Drive	Ottawa ON	K1S 5K2
GEN	PUBLIC WORKS CANADA	SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS- RIVERSIDE DRIVE	OTTAWA ON	
GEN	OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	HURDMAN'S BRIDGE, PUMPING STATION RIVERSIDE DRIVE	OTTAWA ON	
GEN	GVT. OF CAN.-NATIONAL DEFENSE 17-625	OFF UPLANDS DRIVE BLDG.308 FUEL FARM C/O CFB OTTAWA S.	GLOUCESTER ON	K1A 0K5
GEN	DEPT. OF NATIONAL DEFENCE	BUILDING 308, FUEL FARM OFF UPLANDS DRIVE	GLOUCESTER ON	
GEN	GVT. OF CAN. - PUBLIC WORKS CANADA	REPROGRAPHIC SERVICES TUPPER BLDG. RIVERSIDE DRIVE	OTTAWA ON	K1A 0M2
GEN	GVT. OF CAN. - PUBLIC WORKS CANADA18-229	SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS, RIVERSIDE DRIVE	OTTAWA ON	
NDFT		UPLANDS SITE	ON	
NDFT		UPLANDS SITE	ON	

NDFT		UPLANDS DRIVE	ON
NDFT		UPLANDS SITE	ON
NDFT		UPLANDS DRIVE	ON
NDFT		UPLANDS DRIVE	ON
NDFT		Uplands Site	ON
NDFT		UPLANDS DRIVE	ON
NDFT		UPLANDS SITE	ON
NDFT		UPLANDS SITE	ON
PTTW	Ottawa Hunt & Golf Club Limited	Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA	ON
PTTW	Ottawa Hunt and Golf Club Limited	Lot 5, Concession 2, Gloucester (Part: 1, Plan: 4R-7577), Ottawa CITY OF OTTAWA	ON
PTTW	Ottawa Hunt and Golf Club, Limited	Lot 5, Concession 2 City of Ottawa, Ontario CITY OF OTTAWA	ON
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON
SPL	ULTRAMAR	RIVERSIDE DRIVE AT TRANSIT WAY (NEAR POST OFFICE) TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	GLOUCESTER HYDRO	UPLANDS MS SUBSTATION ON UPLANDS DRIVE TRANSFORMER	GLOUCESTER CITY ON
SPL	ESSO PETROLEUM CANADA	OTTAWA AIRPORT TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ONTARIO HYDRO	LOT 5 CONC 2 HUNTLEY TWP. TRANSFORMER	OTTAWA-CARLETON R. M. ON
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON
WWIS		lot 4 con 2	ON
WWIS		lot 5	ON
WWIS		lot 4	ON

WWIS	lot 4	ON
WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 5	ON

Unplottable Report

Site: ***CAMPEAU CORP.***
RIVERSIDE DR. OTTAWA ON

Database: ***CA***

Certificate #:	3-0118-85-006
Application Year:	85
Issue Date:	3/1/85
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CAMPEAU CORP.***
RIVERSIDE DR. OTTAWA ON

Database: ***CA***

Certificate #:	7-0165-85-006
Application Year:	85
Issue Date:	3/29/85
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Riverwalk Park Subdivision***
Kimberwick Crescent Ottawa ON

Database: ***CA***

Certificate #:	3-0842-87-006
Application Year:	02
Issue Date:	2/7/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	Notice
Client Name:	Claridge Homes (Briar Ridge) Inc.
Client Address:	210 Gladstone Avenue
Client City:	Ottawa
Client Postal Code:	K4B 1H9
Project Description:	This application is for an amendment to an existing Certificate of Approval for a minor adjustment to the overflow weir to provide improved maintenance of the outlet control.
Contaminants:	
Emission Control:	

Site: ***PEREZ CORPORATION***
STREET NO. 1 RIVERSIDE DR. OTTAWA CITY ON

Database: ***CA***

Certificate #:	7-0478-87-

Application Year: 87
Issue Date: 5/5/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARL.S.E.TRANSITWAY ST. 1 E. SIDE OF RIVERSIDE DR. OTTAWA CITY ON***

Database: ***CA***

Certificate #: 7-0818-89-
Application Year: 89
Issue Date: 5/29/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***J. PEREZ CORPORATION STM MGN. 3-0842-87 STREET #1 RIVERSIDE DR. OTTAWA CITY ON***

Database: ***CA***

Certificate #: 3-0563-87-
Application Year: 87
Issue Date: 5/5/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***IMPERIAL OIL LIMITED NORTH YORK ON***

Database: ***CONV***

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: $4,000
Synopsis:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: $1,000
Synopsis:

Site: ***IMPERIAL OIL LIMITED DON MILLS ON***

Database: ***CONV***

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: $6,000
Synopsis:

Site: ***City of Ottawa***

Database: ***ECA***

Riverside Drive Ottawa ON K1S 5K2

Approval No:	6330-5XEKCD	***MOE District:***	
Approval Date:	2004-03-29	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Business Name:	City of Ottawa		
Address:	Riverside Drive		
Full Address:			
Full PDF Link:			

Site: ***PUBLIC WORKS CANADA***
SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS- RIVERSIDE DRIVE OTTAWA ON

Database: ***GEN***

Generator No:	ON0144720	***PO Box No:***	
Status:		***Country:***	
Approval Years:	98,99,00,01	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	8159		
SIC Description:	OTHER GEN. ADMIN.		

Detail(s)

Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	243
Waste Class Desc:	PCB'S
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES

Site: ***OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF***
HURDMAN'S BRIDGE, PUMPING STATION RIVERSIDE DRIVE OTTAWA ON

Database: ***GEN***

Generator No:	ON0303122	***PO Box No:***	
Status:		***Country:***	
Approval Years:	98	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	8272		
SIC Description:	RES. CONS./IND. DEV.		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

Site: ***GVT. OF CAN.-NATIONAL DEFENSE 17-625***
OFF UPLANDS DRIVE BLDG.308 FUEL FARM C/O CFB OTTAWA S. GLOUCESTER ON K1A 0K5

Database: ***GEN***

Generator No:	ON0046573	***PO Box No:***	
Status:		***Country:***	
Approval Years:	94,95,96	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	8111		
SIC Description:	DEFENCE SERVICES		

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Site: ***DEPT. OF NATIONAL DEFENCE***
BUILDING 308, FUEL FARM OFF UPLANDS DRIVE GLOUCESTER ON

Database: ***GEN***

Generator No: ON0046573
Status:
Approval Years: 98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 8111
SIC Description: DEFENCE SERVICES

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Site: ***GVT. OF CAN. - PUBLIC WORKS CANADA***
REPROGRAPHIC SERVICES TUPPER BLDG. RIVERSIDE DRIVE OTTAWA ON K1A 0M2

Database: ***GEN***

Generator No: ON0144720
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Site: ***GVT. OF CAN. - PUBLIC WORKS CANADA18-229***
SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS, RIVERSIDE DRIVE OTTAWA ON

Database: ***GEN***

Generator No: ON0144720
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 243
Waste Class Desc: PCB'S

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

Site:

Database: ***NDFT***

UPLANDS SITE ON

Property Id:	K6144
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	Operating tank for heating or emergency power generator
Install Year:	1995
Tank Type:	More Info Needed
Last Year Used:	1998
Tank Contents:	Heating fuel / furnace oil
Capacity (L):	45000

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

UPLANDS SITE ON

Property Id:	K6150
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	
Install Year:	1992
Tank Type:	Underground
Last Year Used:	1997
Tank Contents:	Organic chemicals, alcohols
Capacity (L):	10000

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

UPLANDS DRIVE ON

Property Id:	K6138
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	Bulk Storage (i.e. >45 000 litres)
Install Year:	1954
Tank Type:	Aboveground Field-erected
Last Year Used:	1994
Tank Contents:	Empty
Capacity (L):	864000

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

UPLANDS SITE ON

Property Id:	K6143
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	Operating tank for heating or emergency power generator
Install Year:	1995
Tank Type:	More Info Needed
Last Year Used:	1998
Tank Contents:	Heating fuel / furnace oil
Capacity (L):	45000

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

UPLANDS DRIVE ON

Property Id:	K6140
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	Bulk Storage (i.e. >45 000 litres)
Install Year:	1954

Tank Type:	Aboveground Field-erected
Last Year Used:	1994
Tank Contents:	Empty
Capacity (L):	864000

Site: ***Database:***
UPLANDS DRIVE ON ***NDFT***

Property Id:	K6139
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	Bulk Storage (i.e. >45 000 litres)
Install Year:	1954
Tank Type:	Aboveground Field-erected
Last Year Used:	1994
Tank Contents:	Empty
Capacity (L):	864000

Site: ***Database:***
Uplands Site ON ***NDFT***

Property Id:	K6141
Base Name:	(0002) CF SUPPORT UNIT (OTTAWA)
Status:	Tank currently active
Status As Of:	May 25, 2001
Tank Class:	Tank with pumps to fuel vehicles, airplanes, boats, etc
Install Year:	1995
Tank Type:	More Info Needed
Last Year Used:	
Tank Contents:	Diesel
Capacity (L):	45000

Site: ***Database:***
UPLANDS DRIVE ON ***NDFT***

Property Id:	K6137
Base Name:	CFB OTTAWA
Status:	Tank no longer in service and removed
Status As Of:	May 25, 2001
Tank Class:	Bulk Storage (i.e. >45 000 litres)
Install Year:	1954
Tank Type:	Aboveground Field-erected
Last Year Used:	1994
Tank Contents:	Empty
Capacity (L):	864000

Site: ***Database:***
UPLANDS SITE ON ***NDFT***

Property Id:	K6145
Base Name:	(0002) CF SUPPORT UNIT (OTTAWA)
Status:	Tank currently active
Status As Of:	May 25, 2001
Tank Class:	Tank with pumps to fuel vehicles, airplanes, boats, etc
Install Year:	1994
Tank Type:	More Info Needed
Last Year Used:	
Tank Contents:	Unleaded Gasoline
Capacity (L):	15000

Site: ***Database:***

UPLANDS SITE ON ***NDFT***

Property Id:	K6142
Base Name:	(0002) CF SUPPORT UNIT (OTTAWA)
Status:	Tank currently active
Status As Of:	May 25, 2001
Tank Class:	Operating tank for heating or emergency power generator
Install Year:	1995
Tank Type:	More Info Needed
Last Year Used:	
Tank Contents:	Heating fuel / furnace oil
Capacity (L):	45000

Site: ***Ottawa Hunt & Golf Club Limited*** ***Database:***
Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA ON ***PTTW***

EBR Registry No:	IA05E0019	***Decision Posted:***	
Ministry Ref No:	ER-0608-67WSSP	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	April 29, 2005	***Act 2:***	
Proposal Date:	January 07, 2005	***Site Location Map:***	
Year:	2005		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Ottawa Hunt & Golf Club Limited		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	1 Hunt Club Road, Ottawa Ontario, K1V 1B9		
Comment Period:			
URL:			

Site Location Details:

Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA

Site: ***Ottawa Hunt and Golf Club Limited*** ***Database:***
Lot 5, Concession 2, Gloucester (Part: 1, Plan: 4R-7577), Ottawa CITY OF OTTAWA ON ***PTTW***

EBR Registry No:	010-2796	***Decision Posted:***	
Ministry Ref No:	7076-7A2KW2	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	June 04, 2008	***Act 2:***	
Proposal Date:	February 14, 2008	***Site Location Map:***	
Year:	2008		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Ottawa Hunt and Golf Club Limited		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	1 Hunt Club Road, Ottawa Ontario, Canada K1V 1B9		
Comment Period:			
URL:			

Site Location Details:

Lot 5, Concession 2, Gloucester (Part: 1, Plan: 4R-7577), Ottawa CITY OF OTTAWA

Site: ***Ottawa Hunt and Golf Club, Limited***
Lot 5, Concession 2 City of Ottawa, Ontario CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No:	013-2682	***Decision Posted:***	
Ministry Ref No:	0641-AX8JAH	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	September 19, 2018	***Act 2:***	
Proposal Date:	March 27, 2018	***Site Location Map:***	
Year:	2018		
Instrument Type:	Permit to Take Water - OWRA s. 34		
Off Instrument Name:			
Posted By:			
Company Name:	Ottawa Hunt and Golf Club, Limited(OWRA s. 34) - Permit to Take Water		
Site Address:			
Location Other:			
Proponent Name:	Ottawa Hunt and Golf Club, Limited		
Proponent Address:	1 Hunt Club Road Ottawa Ontario Canada K1V 1B9		
Comment Period:			
URL:	http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM0OTYz&statusId=MjA3Mzcy&language=en		

Site Location Details:

Lot 5, Concession 2
City of Ottawa, Ontario
CITY OF OTTAWA

Site: ***Esso Petroleum Canada, A Division of Imperial Oil Limited***
Nepean Ottawa ON

Database: ***SPL***

Ref No:	0874-78WNRU	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Tank Truck
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Ottawa
Nature of Impact:	soil contamiination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/13/2007	***Site Map Datum:***	
Dt Document Closed:	11/16/2007	***SAC Action Class:***	
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	1961 Merivale Rd<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Errentom Tanklines - 8L diesel to grd		
Contaminant Qty:	8 L		

Site: ***ULTRAMAR***
RIVERSIDE DRIVE AT TRANSIT WAY (NEAR POST OFFICE) TANK TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	76621	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/22/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	

Incident Cause:	TRUCK/TRAILER OVERTURN	***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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	F.D., FRANCIS WASTE MGT.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/22/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ULTRAMAR GASOLINE TANKER - UNKNOWN QUANTITY GAS FROM MOTOR TO ROAD.		
Contaminant Qty:			

Site: ***ESSO PETROLEUM CANADA***
TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	59519	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	11/7/1991	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE 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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/7/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ESSO-3 LITRES DIESEL FUELTO GRND UNDER LOADING RACK,COUPLING NOT CLOSED		
Contaminant Qty:			

Site: ***ESSO PETROLEUM CANADA***
TANK TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	47843	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/19/1991	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE 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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	

Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/20/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L.HEATING OIL ON GROUND		
Contaminant Qty:			

Site: ***GLOUCESTER HYDRO***
UPLANDS MS SUBSTATION ON UPLANDS DRIVE TRANSFORMER GLOUCESTER CITY ON

Database: ***SPL***

Ref No:	87910	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/3/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM 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:***	20105
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:	7/3/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	STORM/FLOOD/WIND	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	GLOUCESTER HYDRO-UNK QTY NON-PCB OIL TO LAND FROM TRANSFORMER: LIGHTNING		
Contaminant Qty:			

Site: ***ESSO PETROLEUM CANADA***
OTTAWA AIRPORT TANK TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	99461	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/4/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE	***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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/4/1994	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			

Site Geo Ref Meth:
Incident Summary: ESSO PETROLEUM: 2 L JET A-1 FUEL TO PAVEMENT FROMTANK TRUCK.
Contaminant Qty:

Site: ***ONTARIO HYDRO***
LOT 5 CONC 2 HUNTLEY TWP. TRANSFORMER OTTAWA-CARLETON R.M. ON

Database: ***SPL***

Ref No:	28839	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	12/13/1989	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM 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:	NOT ANTICIPATED	***Site Municipality:***	20000
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/13/1989	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: ONT.HYDRO - 100 LTR OIL TO SNOW FROM TRANSFORMER.NON-PCB.
Contaminant Qty:

Site: ***ESSO PETROLEUM CANADA***
ESSO DISTRIBUTION STATION BULK STATION OTTAWA CITY ON

Database: ***SPL***

Ref No:	46877	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2/21/1991	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	CONTAINER OVERFLOW	***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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/21/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.
Contaminant Qty:

Site: ***ESSO PETROLEUM CANADA***
BULK STATION OTTAWA CITY ON

Database: ***SPL***

Ref No:	155190	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/1/1998	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CAUSE (N.O.S.)	***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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/1/1998	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	NEGLIGENCE (APPARENT)	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ESSO-156 L DIESEL TO LOT,LOADING ARM NOT IN TRUCKSCOMPARTMENT,PUMP STARTED.		
Contaminant Qty:			

Site:

lot 4 con 2 ON

Database: ***WWIS***

Well ID:	1536506	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	8/1/2006
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	2
Audit No:	235230	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	15000
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
Well Depth:		***Concession:***	02
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:	11550572	***Elevation:***	
DP2BR:	34	***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	3/4/2004	***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: 933066014
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933066017
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 40
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933066015
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 21
Formation End Depth: 34
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933066016
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 34

Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 933066013
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933299444
Layer: 1
Plug From: 40
Plug To: 0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961536506
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11560179
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930884701
Layer: 3
Material:
Open Hole or Material:
Depth From: 40
Depth To: 140
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930884700
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From: -2
Depth To: 40
Casing Diameter: 6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930884699
Layer: 1
Material:
Open Hole or Material:
Depth From: 0
Depth To: 40
Casing Diameter: 10
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 11569551
Pump Set At: 60
Static Level: 12
Final Level After Pumping: 21
Recommended Pump Depth:
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11662478
Test Type: Draw Down
Test Duration: 45
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11662476
Test Type: Draw Down
Test Duration: 15
Test Level: 14.3
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11662477
Test Type: Draw Down
Test Duration: 30
Test Level: 16.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11662479
Test Type: Draw Down
Test Duration: 60
Test Level: 21
Test Level UOM: ft

Water Details

Water ID: 934078358
Layer: 2
Kind Code:
Kind:
Water Found Depth: 129
Water Found Depth UOM: ft

Water Details

Water ID: 934078359
Layer: 1
Kind Code:
Kind:
Water Found Depth: 93
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1520605
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/12/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042447
DP2BR: 63
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/25/1986
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: 931045290
Layer: 1

Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045293
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 63
Formation End Depth: 84
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045292
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045291
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 50
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520605
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591017
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074087
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 63
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930074088
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 84
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520605
Pump Set At:
Static Level: 20
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 15
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: 934906159
Test Type:
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112491
Test Type:
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648377
Test Type:
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387354
Test Type:
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933477897
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 78
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1524123
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56300
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/26/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045895
DP2BR: 56
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/14/1989
Remarks:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
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: 931056931
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056933
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 56
Formation End Depth: 84
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056932
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 56
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524123
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594465
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080343
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080344
Layer: 2
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 84
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524123
Pump Set At:
Static Level: 20
Final Level After Pumping: 75
Recommended Pump Depth: 75
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 7
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: 934391933
Test Type:
Test Duration: 30
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107704
Test Type:
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934652483
Test Type:	
Test Duration:	45
Test Level:	75
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934910103
Test Type:	
Test Duration:	60
Test Level:	75
Test Level UOM:	ft

Water Details

Water ID:	933482665
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	78
Water Found Depth UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1530022	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/11/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6455
Casing Material:		***Form Version:***	1
Audit No:	180720	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10051557	***Elevation:***	
DP2BR:	54	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/22/1998	***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: 931074231
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 54
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931074230
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 14
Mat3 Desc: HARDPAN
Formation Top Depth: 36
Formation End Depth: 54
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931074228
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 88
Mat3 Desc: THICK
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931074229
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 88
Mat2 Desc: THICK
Mat3:
Mat3 Desc:
Formation Top Depth: 25

Formation End Depth: 36
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115138
Layer: 1
Plug From: 0
Plug To: 21
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530022
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10600127
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089821
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930089820
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 54
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530022
Pump Set At:
Static Level: 17
Final Level After Pumping: 26
Recommended Pump Depth: 40
Pumping Rate: 50
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

Pumping Test Method: 2
Pumping Duration HR: 12
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934392215
Test Type:
Test Duration: 30
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909911
Test Type:
Test Duration: 60
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934661373
Test Type:
Test Duration: 45
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934117237
Test Type:
Test Duration: 15
Test Level: 26
Test Level UOM: ft

Water Details

Water ID: 933490035
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 66
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1530295
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 192714
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 11/24/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession:
Concession Name: LI
Easting NAD83:

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

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051830
DP2BR: 30
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/11/1998
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: 931075083
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 22
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075084
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075082
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY

Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 22
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115430
Layer: 1
Plug From: 2
Plug To: 38
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530295
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600400
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090315
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090314
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 38
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090313
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36
Casing Diameter: 6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530295
Pump Set At:
Static Level: 25
Final Level After Pumping: 65
Recommended Pump Depth: 65
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 18
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: 934118296
Test Type: Recovery
Test Duration: 15
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934662434
Test Type: Recovery
Test Duration: 45
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392863
Test Type: Recovery
Test Duration: 30
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910978
Test Type: Recovery
Test Duration: 60
Test Level: 25
Test Level UOM: ft

Water Details

Water ID: 933490361
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 66
Water Found Depth UOM: ft

Water Details

Water ID: 933490362
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 74
Water Found Depth UOM: ft

Water Details

Water ID: 933490360
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1500377
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/26/1948
Selected Flag: Yes
Abandonment Rec:
Contractor: 1107
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (GLOUCESTER)
Site Info:
Lot: 005
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10022422
DP2BR: 28
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/24/1947
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: 930989112
Layer: 1
Color: 2
General Color: GREY
Mat1: 09

Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989114
Layer: 3
Color: 2
General Color: GREY
Mat1: 19
Most Common Material: SLATE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 89
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989113
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 28
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961500377
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10570992
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037777
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 28

Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037778
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 89
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500377
Pump Set At:
Static Level: 12
Final Level After Pumping: 24
Recommended Pump Depth:
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933452894
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 89
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1530916
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 210553
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/17/1999
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10052450	***Elevation:***	
DP2BR:	37	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/18/1999	***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:	931076939
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	37
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931076940
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37
Formation End Depth:	60
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116087
Layer:	1
Plug From:	2
Plug To:	46
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530916

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

Pipe Information

Pipe ID: 10601020
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091618
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091616
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 44
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091617
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 46
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530916
Pump Set At:
Static Level: 23
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 21
Flowing Rate:
Recommended Pump Rate: 21
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: 934903818
Test Type: Recovery
Test Duration: 60
Test Level: 23
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934119528
Test Type: Recovery
Test Duration: 15
Test Level: 23
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386266
Test Type: Recovery
Test Duration: 30
Test Level: 23
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934664639
Test Type: Recovery
Test Duration: 45
Test Level: 23
Test Level UOM: ft

Water Details

Water ID: 933491217
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1530720
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 210452
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/22/1999
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10052254	***Elevation:***	
DP2BR:	34	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/29/1999	***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:	931076391
Layer:	3
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	34
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931076389
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931076390
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28

Formation End Depth: 34
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115862
Layer: 1
Plug From: 2
Plug To: 40
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530720
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600824
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091186
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 38
Casing Diameter: 9
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091187
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 40
Casing Diameter: 9
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091188
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530720
Pump Set At:
Static Level: 25
Final Level After Pumping: 70
Recommended Pump Depth: 70
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 20
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: 934664204
Test Type: Recovery
Test Duration: 45
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934120065
Test Type: Recovery
Test Duration: 15
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903241
Test Type: Recovery
Test Duration: 60
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385686
Test Type: Recovery
Test Duration: 30
Test Level: 25
Test Level UOM: ft

Water Details

Water ID: 933490946
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 73
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1530475
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src: 1
Date Received: 3/2/1999

Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 197136
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052010
DP2BR: 57
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/12/1998
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: 931075618
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075619
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 32

Formation End Depth: 57
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075620
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 57
Formation End Depth: 80
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115622
Layer: 1
Plug From: 2
Plug To: 63
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530475
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600580
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090702
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090701
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 63
Casing Diameter: 6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090700
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 61
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530475
Pump Set At:
Static Level: 21
Final Level After Pumping: 70
Recommended Pump Depth: 70
Pumping Rate: 13
Flowing Rate:
Recommended Pump Rate: 13
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: 934663010
Test Type: Recovery
Test Duration: 45
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385047
Test Type: Recovery
Test Duration: 30
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934118871
Test Type: Recovery
Test Duration: 15
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902180
Test Type: Recovery
Test Duration: 60
Test Level: 21
Test Level UOM: ft

Water Details

Water ID:	933490624
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

Site:
lot 5 ON

Database:
WWIS

Well ID:	1530296	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/24/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1119
Casing Material:		***Form Version:***	1
Audit No:	182440	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	005
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:	10051831	***Elevation:***	
DP2BR:	27	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/11/1998	***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:	931075085
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0
Formation End Depth:	27

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075086
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 27
Formation End Depth: 61
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115431
Layer: 1
Plug From: 3
Plug To: 35
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530296
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600401
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090318
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 61
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090316
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 33
Casing Diameter: 6
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090317
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 35
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530296
Pump Set At:
Static Level: 21
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 24
Flowing Rate:
Recommended Pump Rate: 24
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: 934118297
Test Type: Recovery
Test Duration: 15
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910979
Test Type: Recovery
Test Duration: 60
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934662435
Test Type: Recovery
Test Duration: 45
Test Level: 21
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392864
Test Type: Recovery
Test Duration: 30
Test Level: 21
Test Level UOM: ft

Water Details

Water ID:	933490363
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	44
Water Found Depth UOM:	ft

Water Details

Water ID:	933490365
Layer:	3
Kind Code:	5
Kind:	Not stated
Water Found Depth:	52
Water Found Depth UOM:	ft

Water Details

Water ID:	933490364
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	50
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 Sep 2020

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-Dec 31, 2020

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 2018

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: Jul 31, 2020

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-Dec 31, 2020

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 -Dec 2020

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-Nov 2020

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-Mar 31, 2021

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: Jul 31, 2020

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-Mar 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-Mar 31, 2021

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- Mar 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-Jan 31, 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: Jul 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-Jan 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: Jul 31, 2020

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-Jan 31, 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 2018

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: Jul 31, 2020

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, 2018

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-Dec 31, 2020

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-Feb 28, 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-Jun 2020

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-Mar 31, 2021

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-Mar 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: Oct 31, 2020

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-Mar 31, 2021

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: 1986-2016

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-Mar 2021

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-Dec 31, 2020

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.

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

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, 2017

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: Jul 31, 2020

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-Mar 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: Apr 30, 2020

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

Mandy Witteman, B.Eng., M.A.Sc.

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015
Thurber Engineering Limited
Oil Sand Tailings Group
Tailings Engineer

2009 – 2014
Carleton University
Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009
SLR Consulting Limited
Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

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