Geotechnical Engineering

Environmental Engineering

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Phase I-Environmental Site Assessment

3277 St. Joseph Boulevard
Ottawa, Ontario

Prepared For

DCR Phoenix c/o Landric Homes

April 6, 2021

Report: PE5155-1

TABLE OF CONTENTS

List of Figures

List of Appendices

EXECUTIVE SUMMARY

Assessment

A Phase I – Environmental Site Assessment was carried out for 3277 St. Joseph Boulevard in the City of Ottawa, Ontario.

The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the Phase I - Property.

Based on a review of historical sources, the southwestern corner of the Phase I – Property was developed with a residential dwelling circa 1965. One historical PCA resulting in an APEC on the Phase I - Property was identified in the form of imported fill material of unknown quality, notably during the construction of Tenth Line Road in the early 1990s. Two other PCAs were identified off-site: waste generator records associated with the Ottawa Police East Division Station, located over 70 m to the east, and a small diesel/oil spill which occurred within the adjacent roadway. Based on the separation distances, locations cross-gradient of the site with respect to anticipated groundwater flow direction, or the small, point source nature of the spill, these two PCAs are not considered to have impacted the Phase I Property.

Following the historical review, a site visit was conducted. The subject property currently exists as a vacant lot with some treed areas located in the southern, and northeastern portions of the site. No PCAs were identified with respect to the current use of the Phase I - Property.

The surrounding land use consisted primarily of residential and vacant land. No PCAs were identified with respect to the current surrounding land use.

Based on the results of this Phase I - Environmental Site Assessment, it is our opinion that **a Phase II - Environmental Site Assessment is required for the property,** to address the fill material of unknown quality.

1.0 INTRODUCTION

At the request of Landric Homes, for DCR Phoenix, Paterson conducted a Phase I - Environmental Site Assessment (ESA) of 3277 St. Joseph Boulevard, Ottawa, Ontario. The purpose of this Phase I - ESA was to research the past and current use of the site and area and to identify any environmental concerns with the potential to have impacted the property.

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

2.0 PHASE I PROPERTY INFORMATION

Address:	3277 St. Joseph Boulevard, Ottawa, Ontario
Legal Description:	Part of Lot 35, Concession 1 (Old Survey), Geographic Township of Cumberland, in the City of Ottawa Ontario, and Part of Block 2, Registered Plan 4M-1542, City of Ottawa.
Location:	The subject site is located on the north-western quadrant of the St. Joseph Boulevard and Tenth Line Road intersection.
Latitude and Longitude:	45° 29' 2.6" N, 75° 30' 6.9" W

Site Description:

Configuration:	Irregular
Area:	0.44 hectares (approximately)
Zoning:	R5 – Residential Fifth Density Zone.
Current Use:	The subject site consists of vacant land.
Services:	The subject site is not serviced but 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 review of historically available information, the southwestern corner of the Phase I - Property was first developed with a residential dwelling circa 1965. The residential dwelling was demolished circa 2000 and the property has remained vacant since its removal.

National Directories

Fire insurance plans and city directories are not available for the Phase I study area.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, aerial photographs, and city directories.

Plan of Survey

A plan of survey was not available at the time of preparing this report, however Paterson was provided with a topographic sketch of the site, prepared by Annis O'Sullivan, Vollebekk Ltd. in 2020. The sketch shows the legal property boundaries, as well as other features on the site such as treed and sloped areas.

Previous Engineering Reports

The following reports were reviewed prior to conducting this assessment:

- ❑ "Phase I - Environmental Site Assessment, Orleans Town Centre Vacant Lands, Place D'Orleans Drive – 10th Line Road, Highway 174 – Centrum Boulevard, Ottawa, Ontario", prepared by AMEC., dated May 2005.

The Phase I – ESA was completed for the subject site and adjacent lands to the west in May of 2005. The assessment identified a former landfill located approximately 300 m east of the Phase I – Property as a PCA. AMEC indicated that a test pitting investigation completed around the same time as their assessment inferred that methane migration to the subject site is not anticipated. AMEC recommended that a more expansive subsurface investigation be completed at the former landfill to assess the potential for adverse environmental impacts in the area.

Based on the separation distance and down gradient orientation of the former landfill with respect to the Phase I – Property, it is not considered to represent a PCA for the subject site.

- ❑ "Phase I - Environmental Site Assessment, Hillside Vista Walk Up Condominiums (Blocks 1-5), St. Joseph Boulevard and Tenth Line Road, Ottawa, Ontario", prepared by EXP, dated August 2017.

The Phase I – ESA was completed for the northern and central portion of the Phase I – Property as well as the adjacent lands to the west. One (1) APEC was identified in the form of stockpiled fill material observed across the majority of the subject site resulting in the recommendation of a Phase II – ESA.

- "Geotechnical Investigation, Proposed Apartment Building, Hillside Development, 3277 St. Joseph Boulevard, Ottawa, Ontario", prepared by Paterson Group, dated August 2020.

Paterson Group prepared a geotechnical investigation on the Phase I Property in August 2020. The geotechnical investigation involved the advancement of 12 boreholes sampled to a maximum depth of 11 m below the existing ground surface.

Fill material consisting of brown silty clay, sand, crushed stone, and blast rock was encountered in all of the boreholes extending to a maximum depth of 8.08 m. The fill material was found to overlay stiff brown silty clay and/or glacial till and bedrock was encountered at depths ranging from 6.65 to 11.33 m below grade.

The imported fill material identified in the Phase I - ESA completed by EXP and geotechnical investigation completed by our firm represents a PCA that results in an APEC for the Phase I – Property.

4.1 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on January 19, 2021. No listings for the subject site or properties within the study area were identified in the NPRI database.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I - 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 properties. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Instruments

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

MECP 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 for the site or adjacent properties. At the time of issuing this report, a response had not been received from the MECP. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Waste Management Records

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

MECP 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 - Property or properties within the study area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located within 250 m of 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

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on January 19, 2021. The search did not reveal any areas of natural significance within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on January 19, 2021, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records are listed in the TSSA registry for the subject site or the adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. One (1) unnamed former landfill site is located approximately 350 m east of the Phase I – Property. Based on the information contained within the document, the landfill was in operation prior to 1970. The unnamed former landfill does not represent a PCA based on its separation distance and cross-gradient orientation with respect to anticipated groundwater flow direction at the Phase I – Property.

City of Ottawa Historical Land Use Inventory (HLUI)

A search of the City of Ottawa’s Historical Land Use Inventory (HLUI) database was conducted as part of this assessment. At the time of issuance of this report, the HLUI search results had not yet ben received. A copy of the HLUI request form is provided in Appendix 2.

Environmental Risk Information Service (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I - Property and properties within the Phase I Study Area.

Based on the ERIS search, there are three records identified for the Phase I – Property, all pertaining to previous ERIS Historical Searches.

A total of 55 records from various databases were identified in the ERIS search within the 250 m search radius, including Boreholes, Certificates of Approval (CAs), Environmental Compliance Approvals (ECAs), Ontario Waste Generators, Ontario Spills Registry, Pipeline Incidents (PINC) and Water Well Information Systems (WWIS).

One Ontario Spill record pertained to a 45L diesel/motor oil spill in 1993 resulting from an overturned truck. The documented spill represents a PCA that does not result in an APEC on the Phase I – Property based on its separation distance (67m E/SE), and cross gradient orientation with respect to groundwater flow at the subject site.

The ERIS report identified Ontario Waste Generator records and associated waste classes (oil skimming's and sludges, waste oils/sludges and paint/pigment/coating residues) for the property addressed as 3343 St. Joseph Boulevard, and represent a PCA for the Phase I – Property. Based on their separation distance (123 m E/NE) and cross/down gradient orientation with respect to the Phase I – Property, the Ontario Waste Generator records do not result in an APEC on the subject site.

None of the other records contained within the ERIS Database report represent a PCA for the Phase I – Property.

A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Historical air photos from the National Air Photo Library and the City of Ottawa's geoOttawa website were reviewed in approximate ten-year intervals. Based on the review, the following observations have been made:

1976 The southwest corner of the Phase I - Property appears to be occupied by a residential dwelling with some treed areas in the central and southeastern portions of the property.

Surrounding properties consists primarily of residential dwellings and agricultural fields. St. Joseph Boulevard appears to be in the early stages of development.

1991 The eastern portion of the Phase I – Property is occupied by what appears to be fill material used in conjunction with the construction of Tenth Line Road. Increased residential development is apparent to the west, south and southeast of the Phase I -Property, across a now fully developed St. Joseph Boulevard.

2002 The Phase I – Property is now vacant. Tenth Line Road can be seen in its current configuration and the Ottawa Police East Division Station has been constructed further to the east of the Phase I - Property.

2011 No significant changes have been made to the Phase I – Property or surrounding properties with one exception. The adjacent property to the west is now occupied by a multi-storey, rowhouse-style residential building.

2019 No significant changes have been made to the Phase I – Property since the previous photo. The adjacent properties to the north and northwest are now occupied by multi-tenant residential dwellings.

As previously stated in Section 4.1, the importation and storage of fill material on the subject site during the construction of Tenth Line Road represents a PCA that results in an Area of Potential Environmental Concern (APEC) on the Phase I – Property.

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

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 70 m above sea level. The regional topography in the general area of the site slopes significantly downward to the north/northeast towards the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping, the site is situated within the St. Lawrence Lowlands, Till Plains (Drumlinized) physiographic region.

According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The subject site is in the Central St. Lawrence Lowland, “where the land is rarely more than 150 m above sea level, except for the Monteregion Hills, which consist of intrusive igneous rocks.

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 of the site consists of interbedded limestone, sandstone, and shale of the Rockcliffe Formation. Overburden consists of Paleozoic rocks, with a drift thickness of 0 to 1 m.

Although the published values are considered to be accurate, it should be noted that the geotechnical investigation carried out by Paterson in August 2020 identified up to 11 m of overburden on the Phase I Property. This is due partly to the importation of fill material to the site.

Water Well Records

A search of the MECPs web site for all drilled well records within 250 m of the subject site was conducted on January 19, 2021. Based on the search results, one domestic well, drilled in 1965, was identified on the Phase I Property. Seven additional domestic wells drilled between 1963 and 1977 were identified in the Phase – I Study Area. Based on the well records for the surrounding area, the subsurface profile consists primarily of native clay overlaying limestone bedrock. The bedrock was intercepted at an average depth of 12 meters.

The on-site domestic well was likely associated with the residential dwelling that was formerly located in the southern area of the Phase I Property. The well would no longer be in use. Based on availability of municipal services within the study area, any recent developments would be serviced with municipal potable water.

A copy of the well records has been included in Appendix 2.

Areas of Natural Significance and Water Bodies

The closest major body of water is the Ottawa River located approximately 1.2 km north of the Phase I - Property. No areas of natural significance were identified within the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representative

The site contact, Mr. Greg Winters, was interviewed on January 26, 2021 as part of the Phase I ESA. Mr. Winters indicated that he was unaware of any environmental concerns on the Phase I – Property except for fill material identified during the previous geotechnical investigations. Paterson was also informed that there is a trunk sanitary sewer line that runs north to south through the central portion of the Phase I – Property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on January 21, 2021. Weather conditions were overcast with a temperature of approximately -9°C. Personnel 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. It should be noted that the site was snow covered at the time of the assessment.

6.2 Specific Observations at the Phase I Property

Site Features

The Phase I - Property consists of undeveloped vacant land with treed areas in the southern and northeastern portions of the site. The site and regional topography slope significantly downward to the north/northeast towards the Ottawa River. Water drainage on the Phase I – Property consists primarily of surface infiltration, in addition to surface runoff towards manholes located along Eric Czapnik Way. No signs of staining or indications of potential subsurface contamination were observed at the time of the site visit.

A depiction of the Phase I – Property is presented on Drawing PE5155-1 – Site Plan, in the Figures section of this report.

Potential Environmental Concerns

❑ **Fuels and Chemical Storage**

No above ground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed on the subject property at the time of the site visit.

❑ **Hazardous Materials and Unidentified Substances**

No hazardous materials, unidentified substances, surficial staining, abnormal odours, or indications of potential sub-surface contamination were observed on the subject property at the time of the site inspection.

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

No transformers or other sources of PCBs were observed on the subject property at the time of the site inspection.

❑ **Waste Management**

No waste is being produced on the Phase I – Property.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site visit.

Land use adjacent to the subject site was as follows:

North - Residential apartment building followed by Regional Road 174;

South - St. Joseph Boulevard followed by residential dwellings;

East - Tenth Line Road followed by Ottawa Police East Division Station;

West - Residential apartment building followed by residential dwellings.

Land use within the Phase I Study Area (250 m radius) is primarily used for residential purposes. No existing off-site PCAs were identified at the time of the site visit. Surrounding land use is shown on Drawing PE5155-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The southwest corner of the Phase I – Property appears to have been developed with a residential dwelling circa 1965.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

One PCA was identified on the Phase I – Property as a result of the importation of fill material of unknown quality during the construction of Tenth Line Road. Two additional PCAs were identified in the Phase I - Study Area as a result of waste generators associated with the Ottawa Police East Division Station and a historical diesel spill that occurred in 1993.

Based on their separation distance, and cross or down gradient orientation with respect to the Phase I – Property, the waste generators and historic spill do not result in APECs on the subject site. However, the importation and storage of fill material of unknown quality on the Phase I - Property during the construction of Tenth Line Road results in an APEC on the subject site.

Contaminants of Potential Concern

The contaminants of potential concern for the Phase I Property include:

- ❑ Metals
- ❑ PAHs

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

The subject site is located in an area of limestone and sandstone bedrock with clay and Paleozoic rock overburden of 0 to 1m in depth.

However, based on recent geotechnical studies, fill material and native clays were encountered to depths between 6 and 11 m below grade. Groundwater flow is expected to be in a northern/northeastern direction towards the Ottawa River.

Existing Buildings and Structures

The site is not occupied by any buildings or structures.

Water Bodies and Areas of Natural Significance

No areas of natural significance were identified on the Phase I Property or within the Phase I Study Area. Groundwater is anticipated to flow in a north/northeastern direction towards the Ottawa River.

Drinking Water Wells

There are no active domestic drinking water wells located on the subject site.

Neighbouring Land Use

Neighbouring land use in the Phase I study area is currently vacant, residential, or institutional. Neighbouring land use does not pose an environmental concern to the subject site.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, one PCA was identified on the Phase I – Property that resulted in an APEC. Two additional PCAs were identified in the Phase I – Study Area but are not considered to result in APECs.

Contaminants of Potential Concern

The contaminants of potential concern for the Phase I Property include:

- Metals
- PAHs

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are three PCAs, one of which results in an APEC on the subject site. The presence of three PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 ASSESSMENT AND CONCLUSION

Assessment

A Phase I – Environmental Site Assessment was carried out for 3277 St. Joseph Boulevard in the City of Ottawa, Ontario.

The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the Phase I - Property.

Based on a review of historical sources, the southwestern corner of the Phase I – Property was developed with a residential dwelling circa 1965. One historical PCA resulting in an APEC on the Phase I - Property was identified in the form of imported fill material of unknown quality, notably during the construction of Tenth Line Road in the early 1990s. Two other PCAs were identified off-site: waste generator records associated with the Ottawa Police East Division Station, located over 70 m to the east, and a small diesel/oil spill which occurred within the adjacent roadway. Based on the separation distances, locations cross-gradient of the site with respect to anticipated groundwater flow direction, or the small, point source nature of the spill, these two PCAs are not considered to have impacted the Phase I Property.

Following the historical review, a site visit was conducted. The subject property currently exists as a vacant lot with some treed areas located in the southern, and northeastern portions of the site. No PCAs were identified with respect to the current use of the Phase I - Property.

The surrounding land use consisted primarily of residential and vacant land. No PCAs were identified with respect to the current surrounding land use.

Conclusion

Based on the results of this Phase I - Environmental Site Assessment, it is our opinion that **a Phase II - Environmental Site Assessment is required for the property,** to address the fill material of unknown quality.

9.0 STATEMENT OF LIMITATIONS

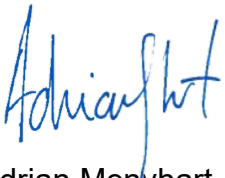
This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The 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 Landric Homes c/o DCR Phoenix. Permission and notification from Landric Homes c/o DCR Phoenix and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Samuel Berube, B.Eng.



Adrian Menyhart, P.Eng., ing., QP$_{ESA}$

Report Distribution:

- ❑ DCR Phoenix c/o Landric Homes
- ❑ Paterson Group Inc.

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.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
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.
ERIS Database Report

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5155-1 – SITE PLAN

DRAWING PE5155-2 – SURROUNDING LAND USE PLAN

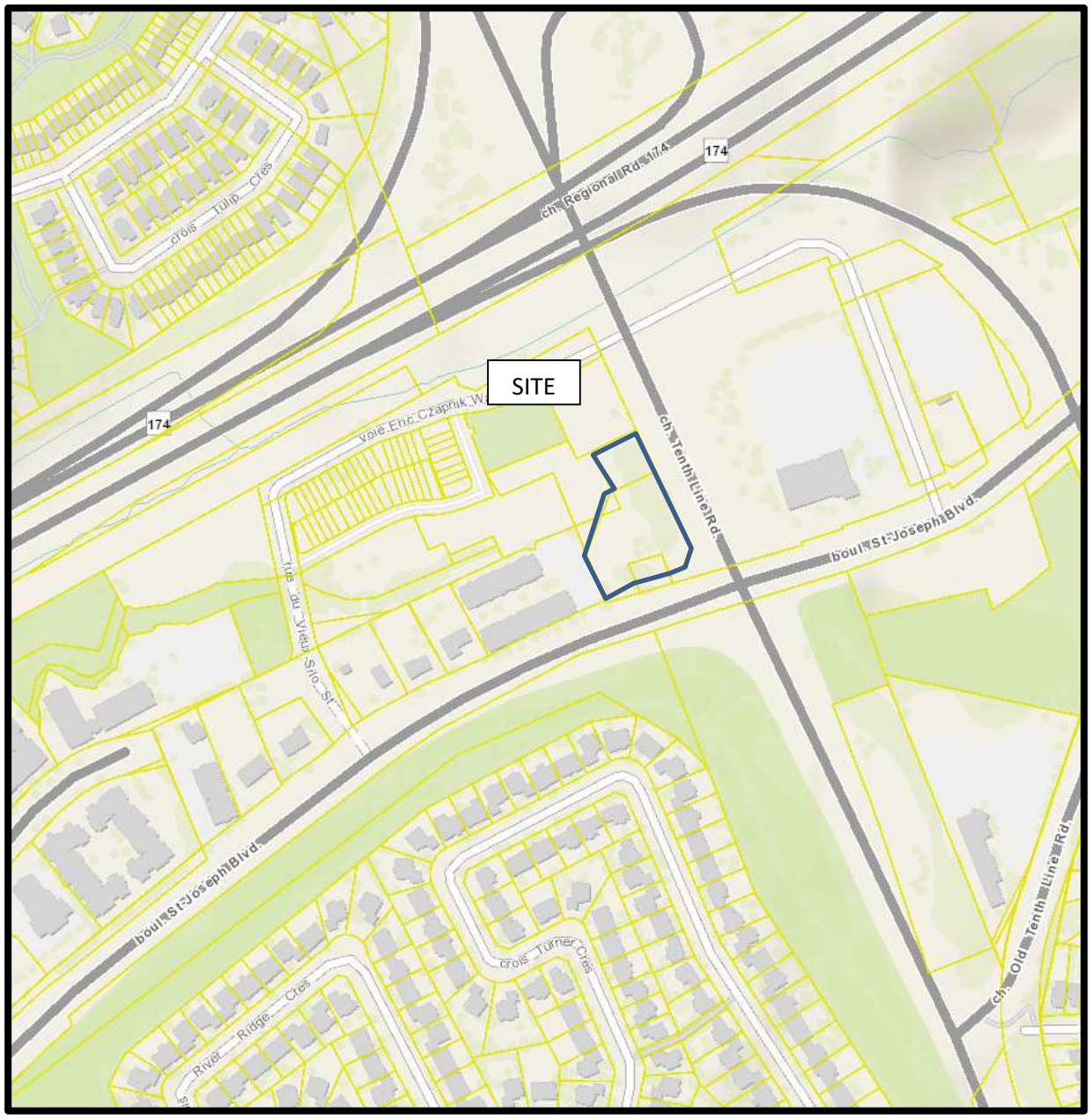


FIGURE 1

KEY PLAN

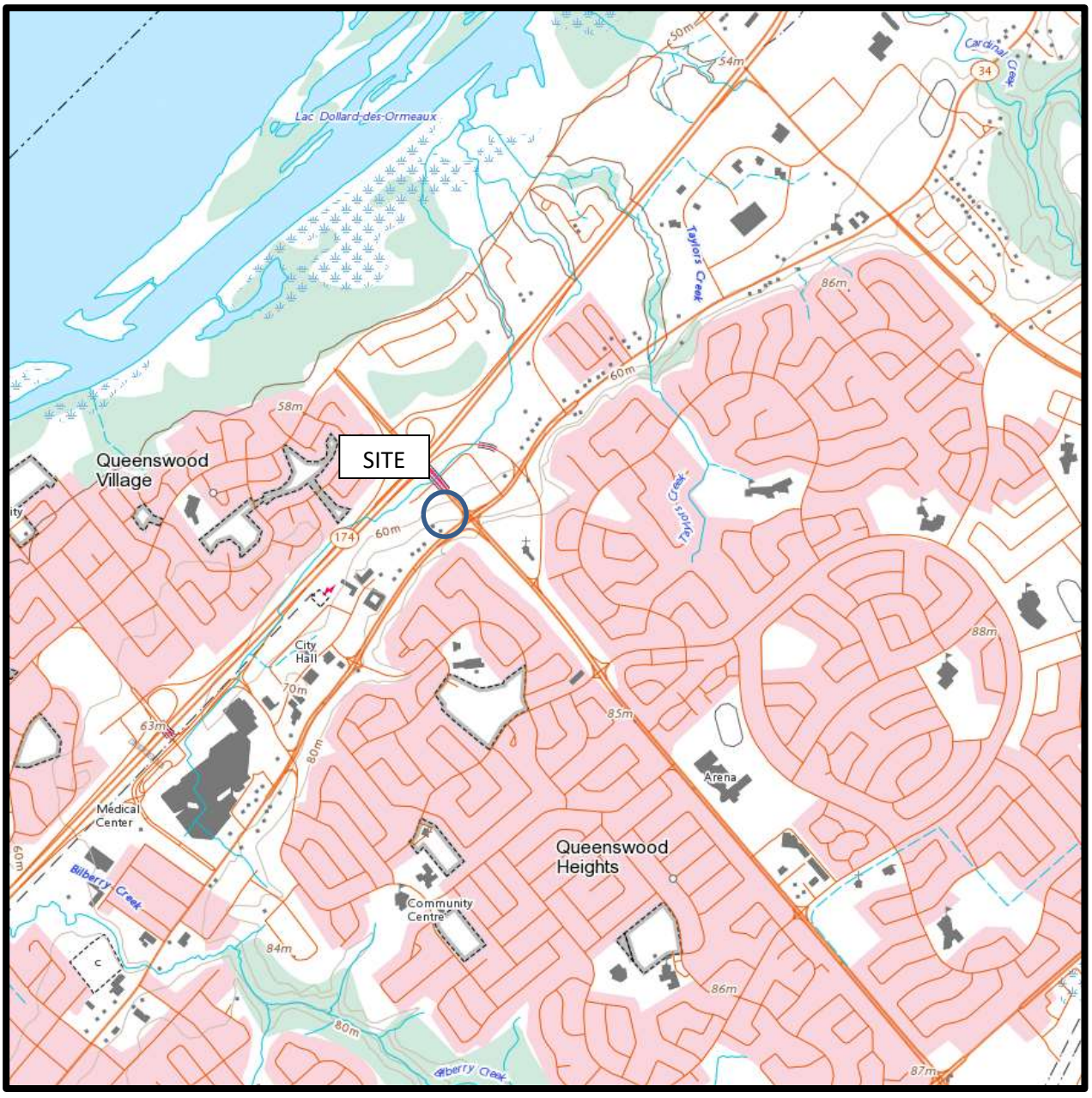
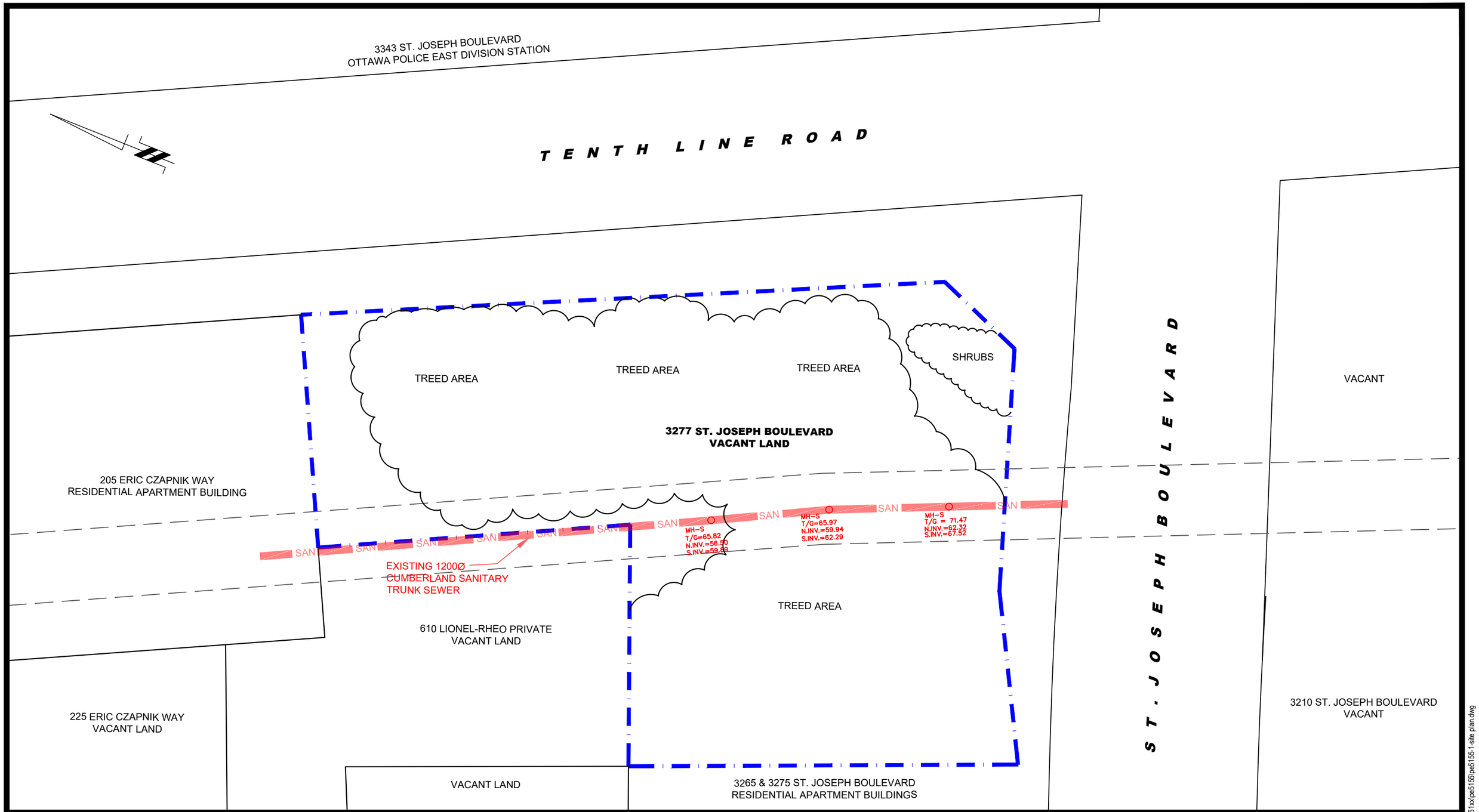


FIGURE 2

TOPOGRAPHIC MAP



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NO.	REVISIONS	DATE	INITIAL

LANDRIC HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
3277 ST-JOSEPH BOULEVARD

OTTAWA, **ONTARIO**

Title:

SITE PLAN

Scale: 1:500	Date: 01/2021
Drawn by: JM	Report No.: PE5155-1
Checked by: SB	Dwg No.: **PE5155-1**
Approved by: MSD	Revision No.:

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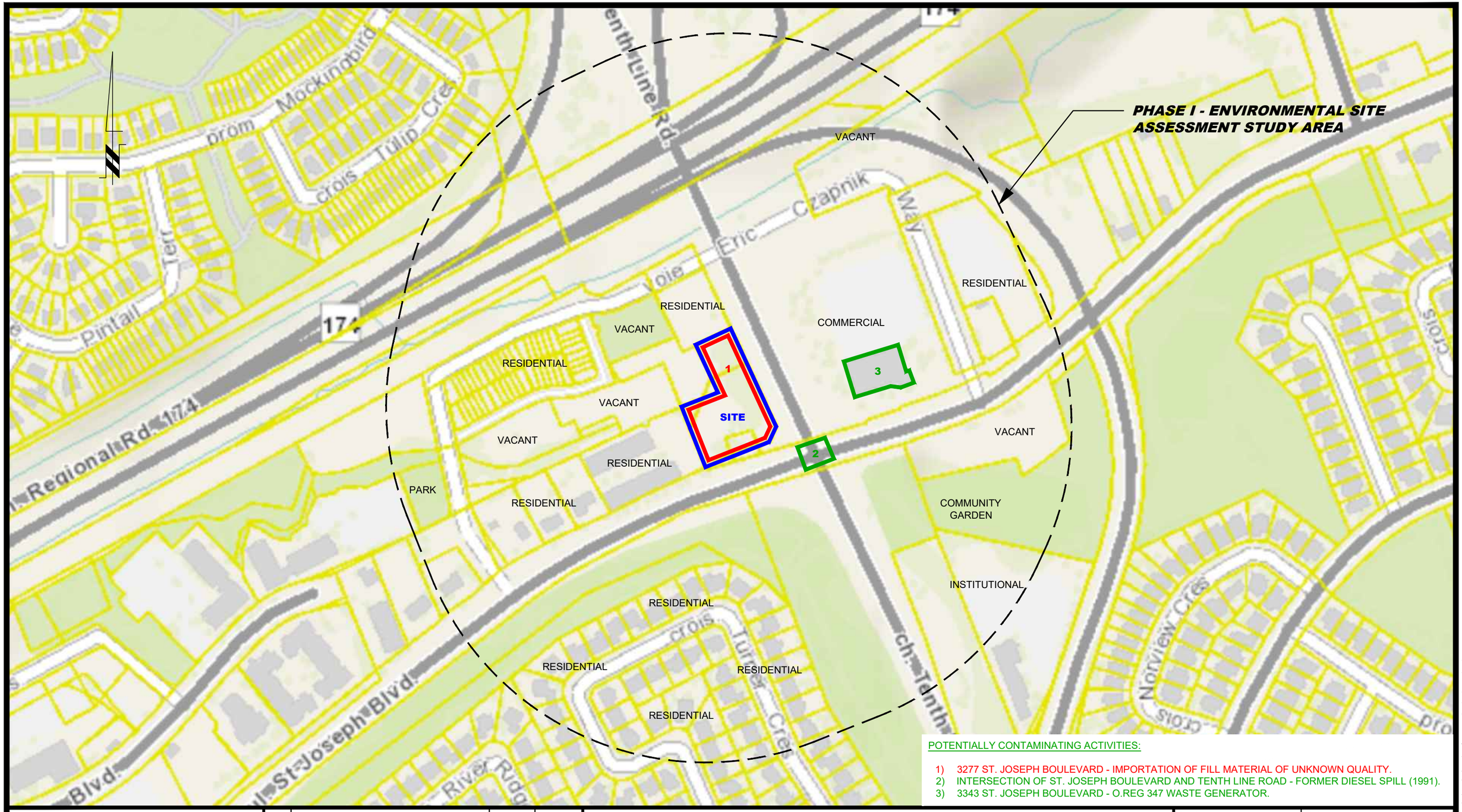

POTENTIALLY CONTAMINATING ACTIVITIES:

1) 3277 ST. JOSEPH BOULEVARD - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY.
2) INTERSECTION OF ST. JOSEPH BOULEVARD AND TENTH LINE ROAD - FORMER DIESEL SPILL (1991).
3) 3343 ST. JOSEPH BOULEVARD - O.REG 347 WASTE GENERATOR.

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NO.	REVISIONS	DATE	INITIAL

LANDRIC HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
3277 ST. JOSEPH BOULEVARD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:3000	Date: 01/2021
Drawn by: JM	Report No.: PE5155-1
Checked by: SB	Dwg No.: PE5155-2
Approved by: MSD	Revision No.:

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APPENDIX 1

AERIAL PHOTOGRAPHS

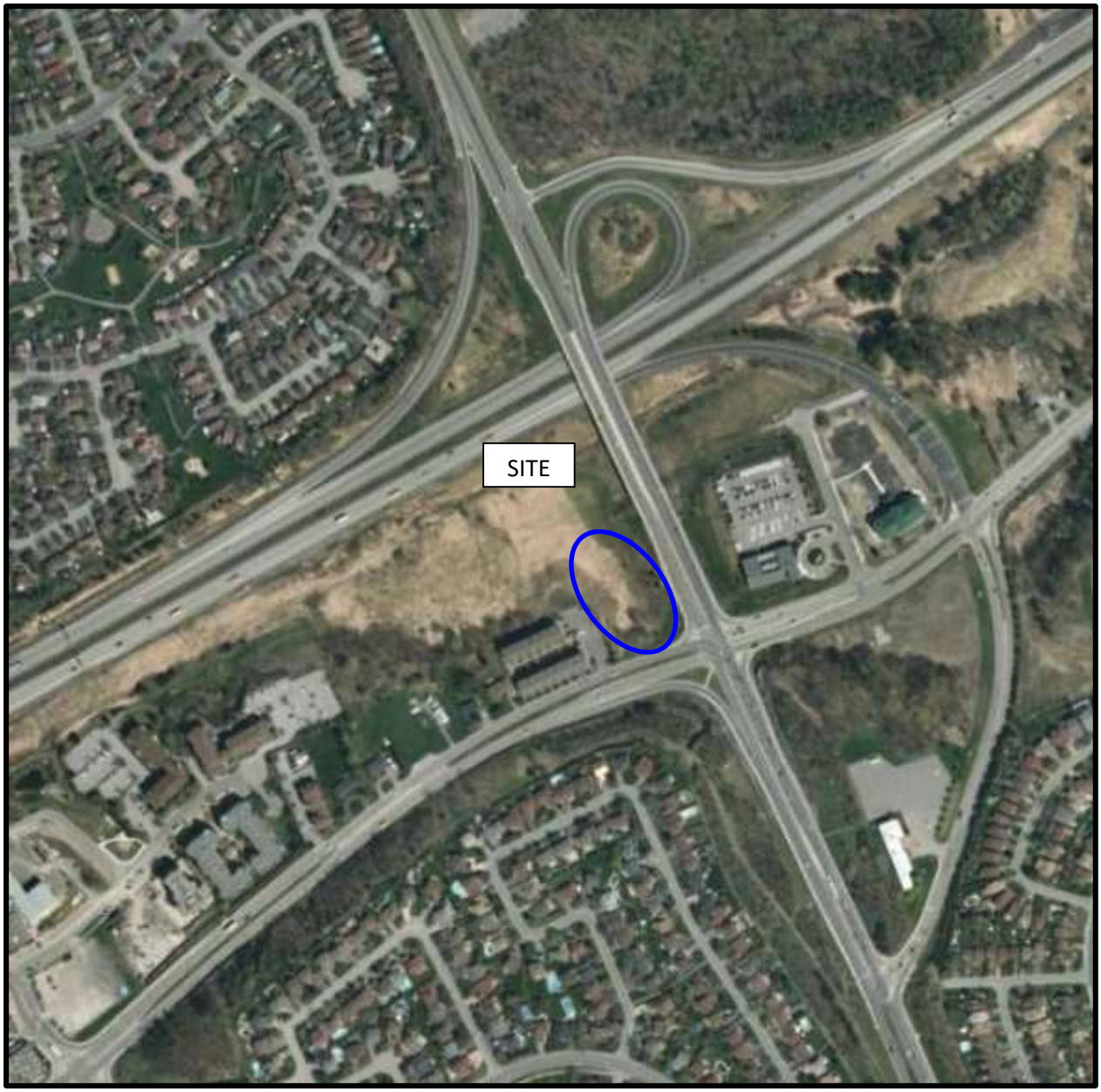
SITE PHOTOGRAPHS

TOPGRAPHIC SKETCH

AERIAL PHOTOGRAPH
1976

AERIAL PHOTOGRAPH
1991

AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011

AERIAL PHOTOGRAPH
2019

patersongroup

Site Photographs

PE5155 3277 St. Joseph Boulevard – Ottawa, ON February 1, 2020

Photograph 1: View of the subject property, looking southeast.

Photograph 2: View of subject property, looking east.

TOPOGRAPHIC SKETCH OF

PART OF LOT 35
CONCESSION 1 (OLD SURVEY)
GEOGRAPHIC TOWNSHIP OF CUMBERLAND
AND
PART OF BLOCK 2
REGISTERED PLAN 4M-1542
CITY OF OTTAWA

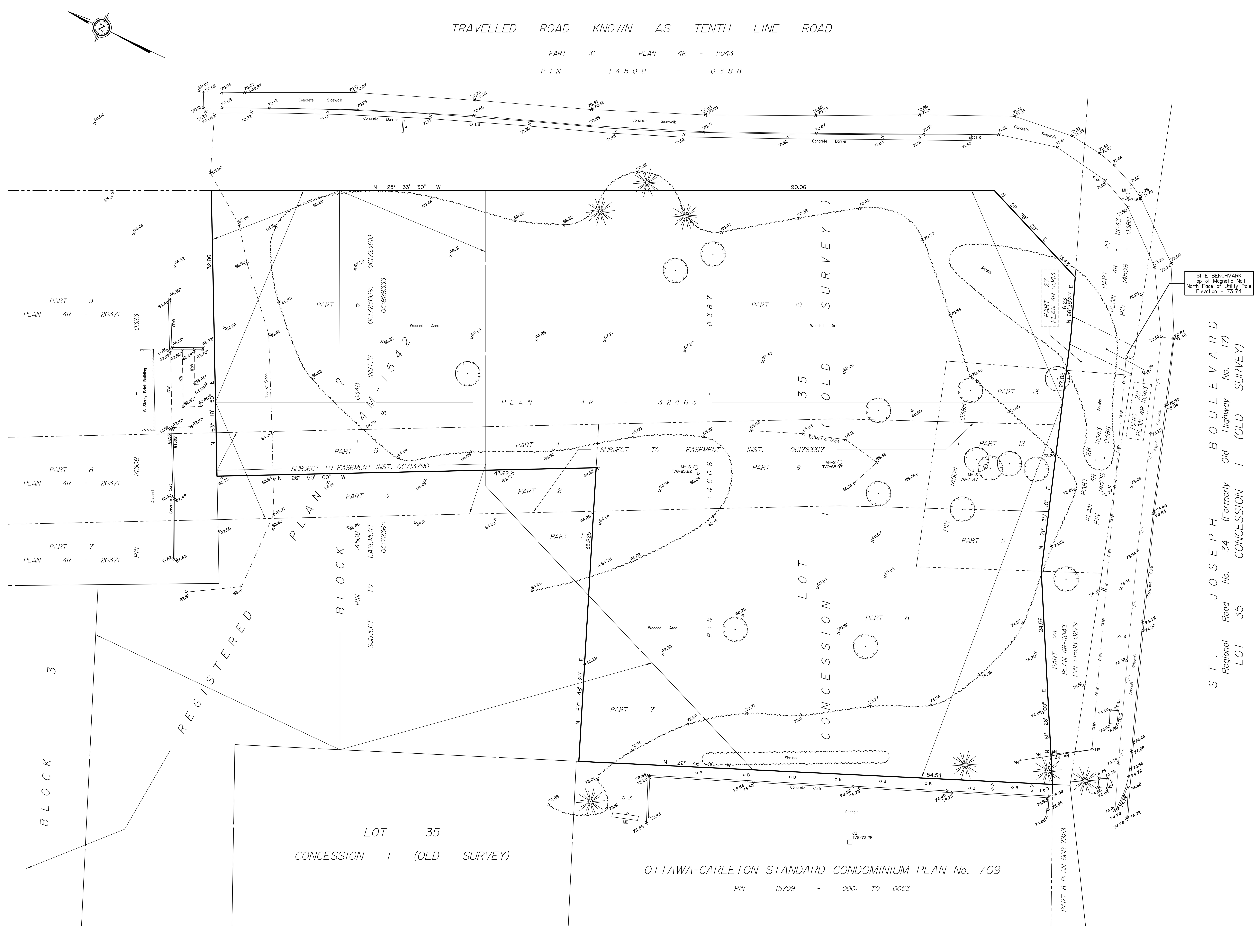
Prepared by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 200

8.0 6.0 4.0 2.0 0 4 8 Metres

Metric

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



Notes & Legend

	Denotes	
◯	"	Deciduous Tree
✳	"	Coniferous Tree
—— S ——	"	Underground Sanitary Sewer
—— TV ——	"	Underground Cable
—— OHW ——	"	Overhead Wires
∘ AN	"	Anchor
○ UP	"	Utility Pole
○ LS	"	Light Standard
□ CB	"	Catch Basin
○ MH-S	"	Maintenance Hole (Sanitary)
○ MH-T	"	Maintenance Hole (Traffic)
∘ B	"	Bollard
△ S	"	Sign
MB	"	Mail Box
+ 65.00	"	Location of Elevations
+ **65.00**	"	Top of Concrete Curb Elevation
+ 65.00*	"	Top of Wall Elevation
IRW	"	Interlock Retaining Wall
CRW	"	Concrete Retaining Wall
▫ TB-C	"	Cable Terminal Box

BOUNDARY INFORMATION COMPILED FROM PLAN 4R-32463.

ELEVATION NOTES

1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

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

Job No. 17518-19 Phoenix PtLt35 Con1 OS CU T D1

AR

Y:\PHOENIX\17518-19\Topographic Plan\Drawings\17518-19 Phoenix PtLt35 Con1 OS CU T D1.dwg, 2020-02-13 10:57:56 AM

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA CORRESPONDENCE

HLUI APPLICATION FORM

ERIS REPORT

Ontario Ministry of Environment and Energy

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Samuel Berube Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5 **Email address:** sberube@patersongroup.ca			FOI Request No.	Date Request Received
			Fee Paid ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel. 613-226-7381 Fax 613-226-6344	Your Project/Reference No. PE5155	Signature/Print /Name of Requester S.B	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	

Request Parameters

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

3277 St. Joseph Boulevard, Ottawa, Ontario
Part of Lot 35, Concession 1, Township of Cumberland

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

DCR Phoenix

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

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

Search Parameters *Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.*	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	1986-present
Orders	1986-present
Spills	1986-present
Investigations/prosecutions ➤ Owner **AND** tenant information must be provided	1986-present
Waste Generator number/classes	1986-present

Certificates of Approval ➤ Proponent information must be provided

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

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

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

UTM | 18 | Z | 4610181410 | E
| 5 | R | 5013161571 0 | N
Elev. | 7 | R | 012310
Basin | 215 | | |

1513186

56 No. 803

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

Lot 34 O.F. Con I Lot 34

County or District RUSSEL

Township, Village, Town or City ~~315~~ 314/5h CUMBERLAND

Lot 34

Date completed 27 (day) FEB (month) 1961 (year)

[redacted]

Casing and Screen Record

Inside diameter of casing 3"
Total length of casing 81'
Type of screen X
Length of screen X
Depth to top of screen X
Diameter of finished hole 2"

Pumping Test

Static level 20'
Test-pumping rate 6 G.P.M.
Pumping level 35'
Duration of test pumping 2 HOURS.
Water clear or cloudy at end of test CLEAR
Recommended pumping rate 2 G.P.M.
with pumping level of 35'

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)
BLUE - CLAY	1'	81'	87'	67'	FRESH
BIG - GRAVEL	81'	86'			
HARD - PANS.	86'	87'			

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

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

Drilling Firm W. COSSETTE

Address RR.1 - BOX
ORLEANS. ONT.

Licence Number 460

Name of Driller SAME

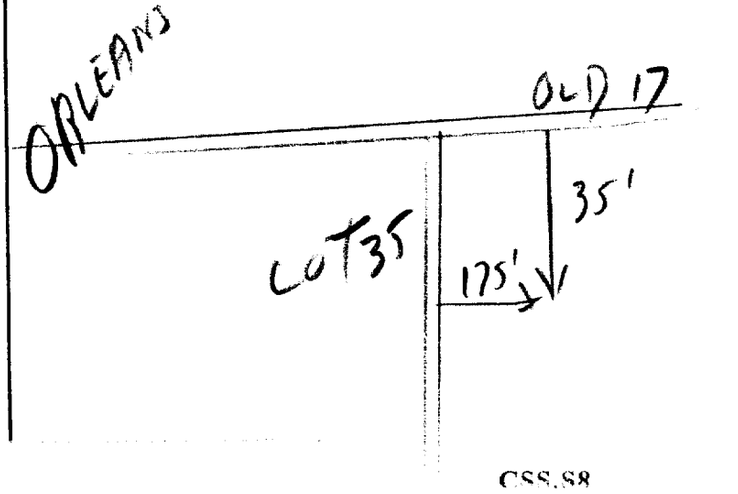
Address

Date FEB. 27/61

Wilfrid Cossette
(Signature of Licensed Drilling Contractor)

Location of Well

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



CSS.88

UTM 18 Z 416016 12 10 E

Con 5 R 5 013161 6 1010 N

Elev. Lot 7 R 3 01 21 2 15

Basin 2 5

1513193

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH 56 N. 341
DEC 3 1963
ONTARIO WATER RESOURCES COMMISSION

County or District Russell O.F. Con I Lot 35 Township, Village, Town or City Cumberland. 31G/5h

Con. 1st from Ottawa Front Lot 35 Date completed 17 (day) October (month) 1963 (year)

[redacted] Address 74 St. André. Ottawa, Ont.

Casing and Screen Record

Inside diameter of casing 5 5/8

Total length of casing 18'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5 5/8

Pumping Test

Static level 10'

Test-pumping rate 12 G.P.M.

Pumping level 25'

Duration of test pumping 2 hrs.

Water clear or cloudy at end of test clear

Recommended pumping rate 6 G.P.M.

with pump setting of 25 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
bolders and broken rock	0	14	62	~~62~~
grey limestone	14	62		fresh

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

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

Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling

Address R.R. #1, Box 194, Orleans, Ont.

Licence Number 1025

Name of Driller or Borer G.Charbonneau

Address R.R.# 1, Box 194, Orleans, Ont.

Date October 17, 1963

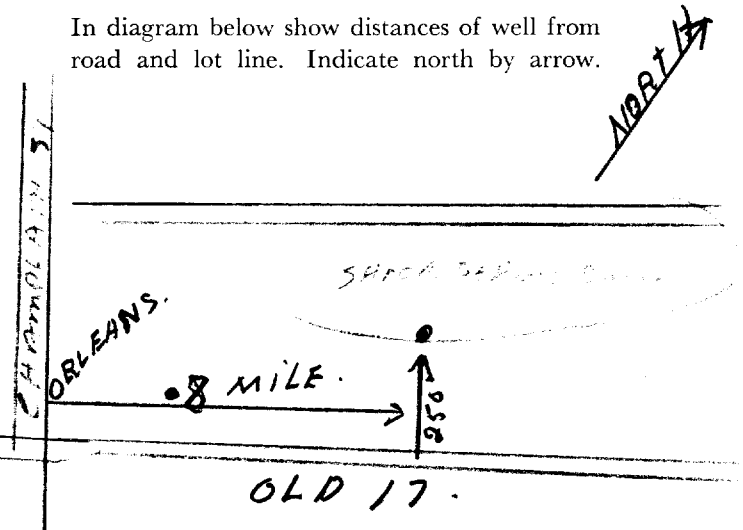
Gerard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 18 Z 446061810 E
Ottawa Sht.
5 R 5036515 N
Con. I Lot 35
Elev. 17 R 0121410
Basin 25 1

1513194

WATER RESOURCES DIVISION
56 No 807
JAN 19 1965
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Russell O.F. Con I Lot 35 Township, Village, Town or City Cumberland
Con. 1st Ottawa River O.F. Lot 35 Date completed 1 October 1964. (day month year)
[redacted] ress R.R. # 1, Orleans, Ont.

Casing and Screen Record

Inside diameter of casing 5 5/8
Total length of casing 54'
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole 5 5/8

Pumping Test

Static level 30'
Test-pumping rate 6 G.P.M.
Pumping level 80
Duration of test pumping 4 hrs.
Water clear or cloudy at end of test clear
Recommended pumping rate 6 G.P.M.
with pump setting of 90 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
grey limestone	0	176	176'	fresh

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

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

Drilling or Boring Firm
G. Charbonneau, Diamond & Cable Drilling,
Address R.R. # 1, Box 194, Orleans, Ont.

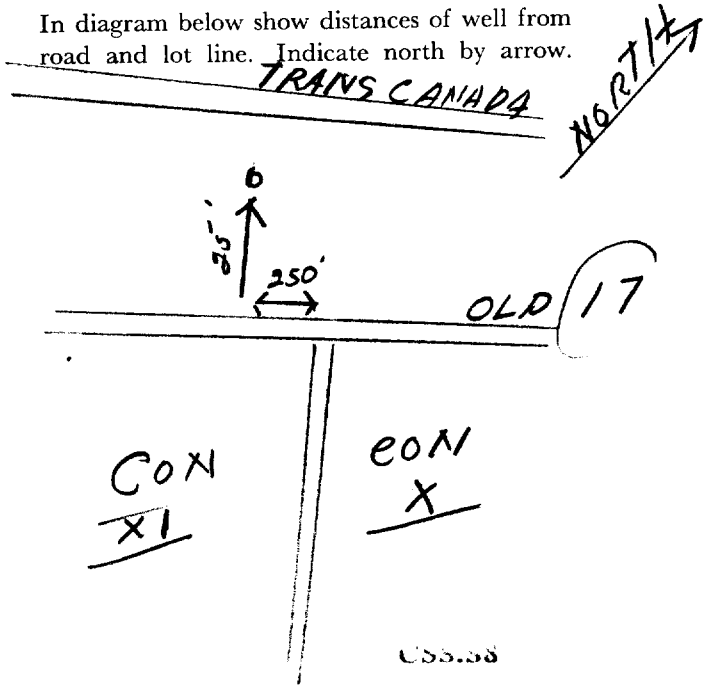
Licence Number 1418
Name of Driller or Borer Bruce Stacey
Address R.R. # 4, Jasper, Ont.
Date 1st October, 1964.
Gérard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



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C9

256

1513195

WATER RESOURCES DIVISION
56 No 808
MAY 17 1965
ONTARIO WATER RESOURCES COMMISSION

UTM 18 Z 416161410 E
5 R 5031615210 N

Elev. 7 R 021510

Basin 215 35

WATER WELL RECORD

The Ontario Water Resources Commission Act

County or District ~~Russell~~ O.F. Con I Lot 35 Township, Village, Town or City Twp. of Cumberland

Con. ~~1st Con from Ottawa River~~ I O.F. Lot 35 Date completed April 30, 1965 (day month year)

[redacted] dress RR #1, Orleans, Ont.

Casing and Screen Record

Inside diameter of casing 5¼

Total length of casing 53'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5¼

Pumping Test

Static level 30'

Test-pumping rate 18 G.P.M.

Pumping level 50'

Duration of test pumping 3 hrs.

Water clear or cloudy at end of test Clear

Recommended pumping rate 6 G.P.M.

with pump setting of 70 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Broken stone and clay	0	4		
Grey limestone	4	180	180	Fresh

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

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

Drilling or Boring Firm G. Charbonneau
Diamond & Cable Drilling

Address RR #1, Box 194, Orleans, Ont.

Licence Number 1331

Name of Driller or Borer Bruck Stacey

Address RR #1, Jasper, Ont.

Date April 30, 1965.

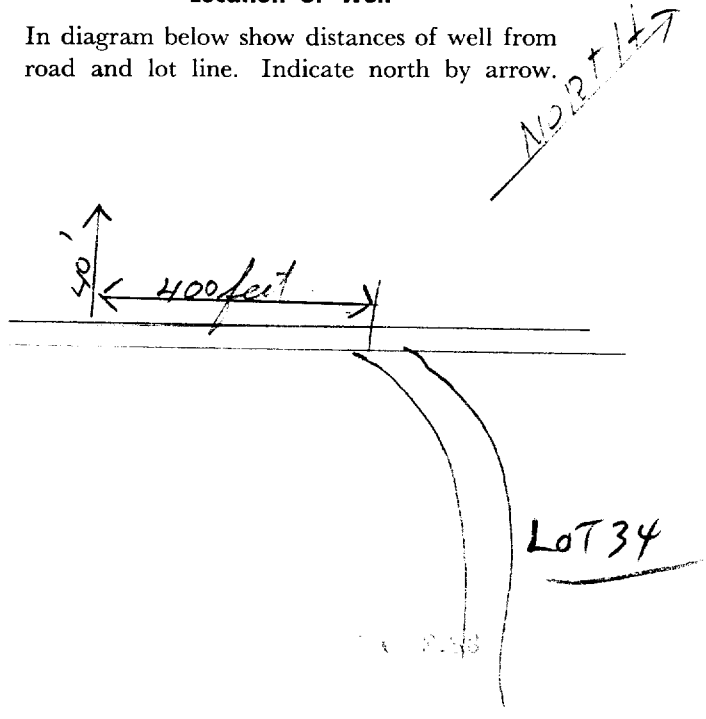
Gérard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 18Z 413617610E
015F 5013615610N
Elev 692R 2121410
Lot 35

1513196

The Ontario Water Resources Commission Act

WATER RESOURCES DIVISION
56 No 809
AUG 24 1965
ONTARIO WATER RESOURCES COMMISSION

WATER WELL RECORD

Basin 215 Russell O.F. Cont Lot 35 Township, Village, Town or City Cumberland 31G/5h
County or District I OF
Con. 1st. from Ottawa River Lot 35 Date completed 6 August 1965. (day month year)
[redacted] dress R.R.# 1, Orleans, Ont.

Casing and Screen Record

Inside diameter of casing 5¼"
Total length of casing 43'
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole 5¼"

Pumping Test

Static level 40'
Test-pumping rate 6 G.P.M.
Pumping level 190'
Duration of test pumping 3 hrs.
Water clear or cloudy at end of test clear
Recommended pumping rate 6 G.P.M.
with pump setting of 100 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
loose rock	0	5		
grey limestone	5	172	172	fresh

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

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

Drilling or Boring Firm
G.Charbonneau, Diamond & Cable Drilling,

Address R.R.# 1, Box 194, Orleans, Ont.

Licence Number 1631

Name of Driller or Borer Bruce Stacey

Address R.R.# 4, Jasper, Ont.

Date 6 August, 1965

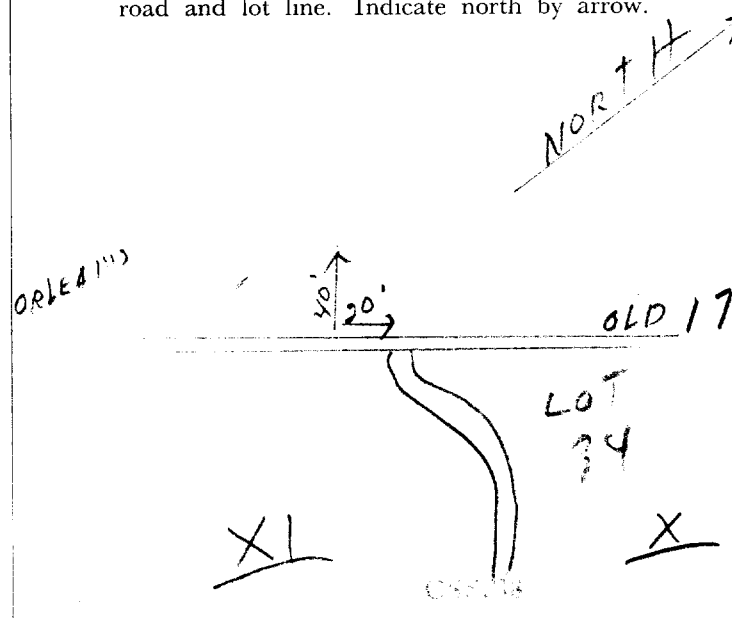
Gerard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 18 Z 416016210 E
15 R 5034616010 N
Elev. 17 R 0121

Basin 215

1513197
3 9

The Ontario Water Resources Commission Act

WATER WELL RECORD

56 No. 342
SEP 8 1967
ONTARIO WATER RESOURCES COMMISSION

County or District Russell (1. of) O.F. Con I Lot 35 Township, Village, Town or City 31G-15h Cumberland

Con. 1st. from Ottawa R. Lot 35 Date completed 22 August 1967. (day month year)

[redacted] dress Orléans, Ont.

Casing and Screen Record

Inside diameter of casing 5"

Total length of casing 50'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 6"

Pumping Test

Static level 40'

Test-pumping rate 8 G.P.M.

Pumping level 100'

Duration of test pumping 3 hrs.

Water clear or cloudy at end of test clear

Recommended pumping rate 6 G.P.M.

with pump setting of 100 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
loose rock & clay	0	4	181	fresh
grey limestone	4	181		

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

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

Drilling or Boring Firm

G. Charbonneau, Diamond & Cable Drilling,

Address R.R. 1, Box 194, Orleans, Ont.

Licence Number 2593

Name of Driller or Borer George Leary

Address Carleton Place, Ont.

Date 22 August, 1967

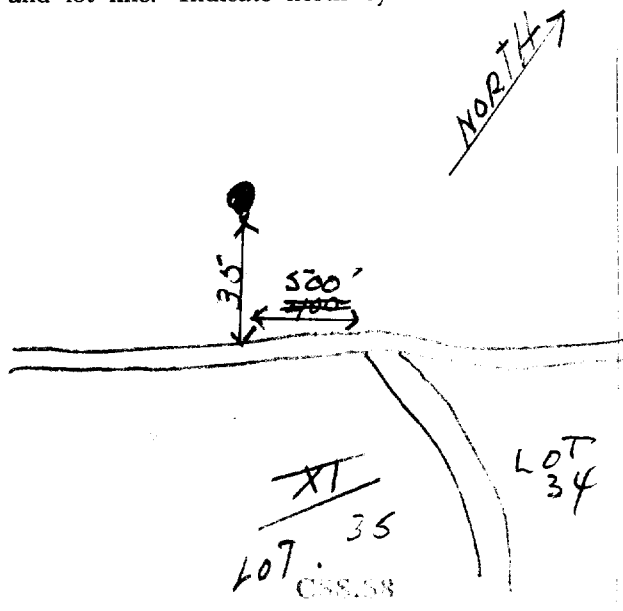
Gérard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



3IG/5 Kan

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

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

11 (1 2)

D 10774
5601255 (3 9)

MUNICIP. 56903 (10 14) CON. ØF (15) C (22 23 24) 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT (25-27)
~~Carleton~~ Russell	Cumberland	~~Mt, from Ottawa River~~ I.O.F.	~~34~~ 35 C3

[redacted]

R. 1, Orleans, Ont.

DATE COMPLETED (48-53): DAY 11 MO ~~7~~ 07 YR ~~1969~~ 69

HING 03654 0 (24) RC. 4 (25) ELEVATION 0195 (26) RC. 5 (30) BASIN CODE 25 (31) (II III IV) (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
blue	clay			0	100
		coarse gravel & bolders		100	148
grey	limestone		1513198 (3 9)	148	158

31 Q100395 | Q1458 1113 | Q1582157 |

32 (1-2 10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0158 (13)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (14)
(15-18)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (34) (80)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
(10-11) 02	1 ☐ STEEL (12) 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	510	0	(13-16) 0150
(17-18)	1 ☐ STEEL (19) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			(20-23) 0158
(24-25)	1 ☐ STEEL (26) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			(27-30)

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33)	DIAMETER (34-38) INCHES	LENGTH (39-40) FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN (41-44) FEET	(80)

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
(10-13)	(14-17)	
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

PUMPING TEST METHOD (10)	PUMPING RATE (11-14) GPM.	DURATION OF PUMPING (15-16) HOURS (17-18) MINS.
1 ☒ PUMP 2 ☐ BAILER	0010	02 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (25) 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES (26-28)	30 MINUTES (29-31)	45 MINUTES (32-34)	60 MINUTES (35-37)
025 (19-21) FEET	040 (22-24) FEET	030 FEET	035 FEET	040 FEET	040 FEET

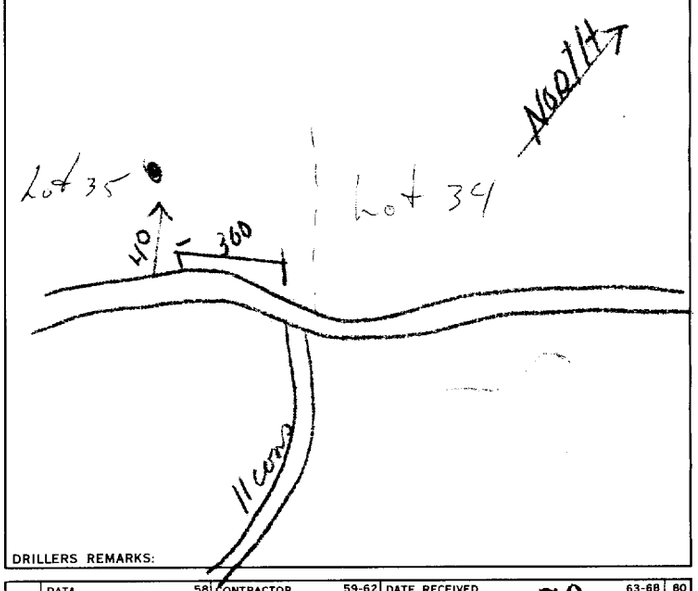
IF FLOWING, GIVE RATE (38-41) GPM.	PUMP INTAKE SET AT FEET	WATER AT END OF TEST (42) 1 ☒ CLEAR 2 ☐ CLOUDY
	50	

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING (43-45) FEET	RECOMMENDED PUMPING RATE (46-49) GPM.
☐ SHALLOW ☒ DEEP	050	0006

(50-53) 0027 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 (54)

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

WATER USE (55-56) 01

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

METHOD OF DRILLING (57)

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: G. Charbonneau, Diamond & Cable Drilling, 3395 — LICENCE NUMBER

ADDRESS: ~~R. R. 1, Box 194, Orleans, Ont.~~

NAME OF DRILLER OR BORER: G. Charbonneau — LICENCE NUMBER: 3395

SIGNATURE OF CONTRACTOR: Gérard Charbonneau — SUBMISSION DATE: DAY 11 MO. 7 YR. 1969

OFFICE USE ONLY

DATA SOURCE (58): 1 — CONTRACTOR (59-62): 1504 — DATE RECEIVED (63-68): 300770 (80)

DATE OF INSPECTION — INSPECTOR

REMARKS:

OWRC COPY

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

3165H

Ontario

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

11 1516402 MUNICIP 1501 1 CON OF LOT 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Cumberland	O.F 1 105	035

[redacted]
RR2, Orleans, Ont.

DATE COMPLETED: DAY 14 MO 07 YR 77

THIN 036499 RC 4 ELEVATION 0160 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
yellow	clay			0	17
grey	slate			17	45
grey	limestone			45	125

31 0017505 0045219 0125215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0125	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
	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
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	22
06				
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	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 — air

PUMPING RATE: 0006 GPM — DURATION OF PUMPING: 01 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
034 FEET	120 FEET	060 FEET	034 FEET	034 FEET	034 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 115 FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

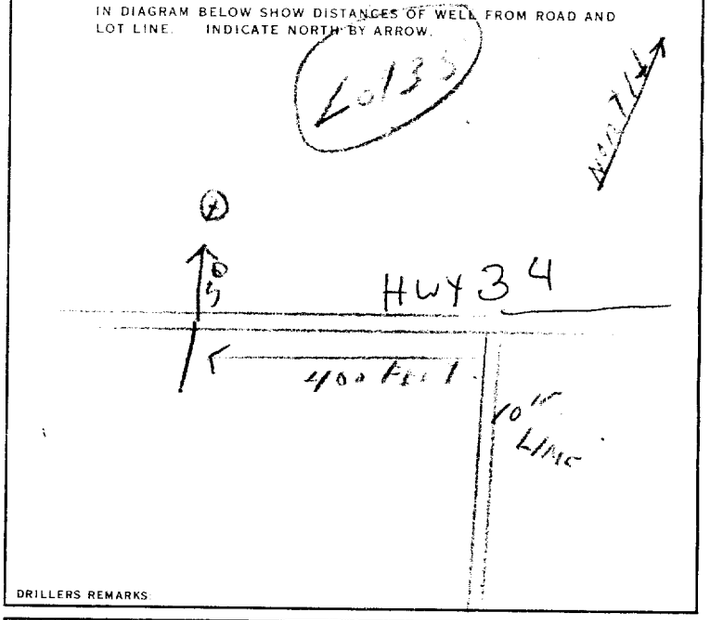
RECOMMENDED PUMP SETTING: 115 FEET

RECOMMENDED PUMPING RATE: 0006 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 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 4
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: G. Charbonneau + Son Drilling Ltd — LICENCE NUMBER: 1504

ADDRESS: R R 2, Box 194, Orleans, Ont. K1C 1T1

NAME OF DRILLER OR BORER: L. Bourgeois — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 14 MO. 7 YR. 77

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 1504 — DATE RECEIVED 100278

DATE OF INSPECTION 8/5/78 — INSPECTOR K. D'N.

REMARKS: brick bungalow grey

P

WI

CSS.SB

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Samuel Berube

From: Public Information Services <publicinformationservices@tssa.org>
Sent: January 21, 2021 4:54 PM
To: Samuel Berube
Subject: RE: PE5155 - TSSA Request

Good afternoon,

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 or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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.

Thanks,

Sherees Thompson | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org

From: Samuel Berube <SBerube@Patersongroup.ca>
Sent: January 19, 2021 3:00 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE5155 - TSSA Request

Can you please search your records for the following addresses in the City of Ottawa?

3265, 3277, 3301, 3343 – **St. Joseph Boulevard**

205, 225, – **Eric Czapnik Way**

610 - **Lionel-Rheo Private**

565 **– Recolte Private**

Thank you,

Samuel Berube, B.Eng.

patersongroup
solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381
Cell: 613-558-0932

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:** *3277 St. Joseph Boulevard, Ottawa, Ontario*

** Mandatory Field*

Applicant/Agent Information:

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

Registered Property Owner Information: ☐ Same as above

Name:	*DCR Phoenix Homes*		
Mailing Address:			
Telephone:	*613-723-9227*	Email Address:	

Site Details

Legal Description and PIN: *Part of Lot 35, Concession 1, Township of Cumberland*

What is the land currently used for? *Vacant*

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

OR Lot area: (irregular lot) 3425 m²

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

Required Fees

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

Planning Fee $105.00

Submittal Requirements

The following are required to be submitted with this application:

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

Disclaimer
For use with HLUI Database

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

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

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

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

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

4. Copyright is reserved to the City.

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

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

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

Signed: 

Dated (dd/mm/yyyy): 20/01/2021

Per: Samuel Berube
(Please print name)

Title: Jr. Environmental Engineer

Company: Paterson Group

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

January 19, 2021
File: PE5155-HLUI

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

Subject: **Authorization Letter, HLUI Search**
Phase I-Environmental Site Assessment
3277 St. Joseph Boulevard
Ottawa, Ontario

Dear Sir or Madame,

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

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

Name of Company/Property Owner: Hillside Vista Inc. Operating as Hillside Commons

Name of Representative Matthew Firestone

Authorization of Representative MattFirestone

Date 2021-01-19

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I - ESA* *3277 St. Joseph Boulevard* *Orléans ON K1C 1T1*
Project No:	*31699*
Report Type:	*Standard Report*
Order No:	*21011900383*
Requested by:	*Paterson Group Inc.*
Date Completed:	*January 22, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase I - ESA* *3277 St. Joseph Boulevard Orléans ON K1C 1T1*
Project No:	*31699*

Coordinates:

Latitude:	*45.4837837*
Longitude:	*-75.501813*
UTM Northing:	*5,036,817.38*
UTM Easting:	*460,783.71*
UTM Zone:	*18T*

Elevation:	*212 FT* *64.58 M*

Order Information:

Order No:	*21011900383*
Date Requested:	*January 19, 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	10	10
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	0	0
ECA	Environmental Compliance Approval	Y	0	10	10
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	3	6	9
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	3	3
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	1	1
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	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	15	15
	Total:		3	52	55

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	WNW/16.5	4.45	22
1	EHS		3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	WNW/16.5	4.45	22
1	EHS		3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	WNW/16.5	4.45	22

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 35 con 1 ON ***Well ID:*** 1513196	SSE/36.1	7.74	22
3	ECA	DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON K2E 6T8	SW/59.7	10.06	25
3	ECA	DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON K2E 6T8	SW/59.7	10.06	25
4	CA	DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	WNW/66.9	-3.72	25
5	CA	CUMBERLAND TOWNSHIP	RR #47/ST.JOSEPH BLVD./RR # 34 CUMBERLAND TWP. ON	ESE/67.2	7.59	26
5	SPL	PUC	LOT AT INT. OF RR 34 & RR 47 MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	ESE/67.2	7.59	26
5	CA	Ottawa Police Service East Division Building	Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON	ESE/67.2	7.59	26
5	ECA	City of Ottawa	Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON K1P 1J1	ESE/67.2	7.59	27
5	SPL		St-Joseph Blvd near Tenth Line Rd, Ottawa Ottawa ON	ESE/67.2	7.59	27
5	PINC	PIPELINE HIT - 6"	ST JOSEPH BLVD AND TENTH LINE RD,, OTTAWA,ON,,CA ON	ESE/67.2	7.59	27
6	BORE		 ON	N/82.3	-6.14	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	WWIS		lot 35 con 1 ON ***Well ID:*** 1513194	WSW/85.9	9.85	29
8	INC		3275 ST JOSEPH BLVD, ORLÉANS ON	WSW/88.4	9.04	31
8	SPL		3275 St Josephs Blvd, Orleans Ottawa ON	WSW/88.4	9.04	31
9	WWIS		lot 34 con 1 ON ***Well ID:*** 1513186	ESE/90.7	7.87	32
10	EHS		Southwest of Tenth Line Rd and Regional Rd 174 Ottawa (Orleans) ON	NW/107.6	-7.22	35
11	ECA	1534436 Ontario Limited	Ottawa ON K2E 6T8	WNW/122.6	-5.23	35
11	ECA	1534436 Ontario Limited	Ottawa ON K2E 6T8	WNW/122.6	-5.23	35
12	ECA	Hillside Vista Flats Inc.	517 Recolte Pvt 551 Recolte Pvt Ottawa ON K2E 6T8	W/122.8	-1.51	35
13	GEN	CITY OF OTTAWA	3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES OTTAWA ON	ENE/122.9	-2.29	36
13	GEN	CITY OF OTTAWA	3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES OTTAWA ON K1E 3X8	ENE/122.9	-2.29	36
13	GEN	CITY OF OTTAWA	3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES OTTAWA ON K1E 3X8	ENE/122.9	-2.29	36
14	WWIS		lot 35 con 1 ON ***Well ID:*** 1513193	W/133.0	4.17	37
15	BORE		ON	W/133.0	4.17	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
16	WWIS		lot 35 con 1 ON ***Well ID:*** 1513195	WSW/135.8	11.61	40
17	BORE		ON	WSW/143.9	11.04	42
18	WWIS		lot 35 con 1 ON ***Well ID:*** 1513198	WSW/144.0	11.04	44
19	EHS		Hillside Vista Ottawa ON	W/147.3	-2.54	47
20	WWIS		lot 35 con 1 ON ***Well ID:*** 1513197	WSW/163.6	14.06	47
21	WWIS		lot 34 con 1 ON ***Well ID:*** 1513189	E/168.9	-0.73	49
22	BORE		ON	NNW/173.0	-9.96	52
23	BORE		ON	ESE/175.2	17.85	53
24	WWIS		lot 34 con 1 ON ***Well ID:*** 1513185	ESE/175.3	17.85	54
25	ECA	DCR/Phoenix Development Corporation Limited	Silo St (241 Centrum Boulevard) Ottawa ON K2E 6T8	WNW/176.3	-5.05	57
26	WWIS		lot 35 con 1 ON ***Well ID:*** 1516402	WSW/181.6	13.23	57
27	BORE		ON	NW/183.7	-9.99	60
28	WWIS		lot 34 con 1 ON	E/187.1	2.17	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513183			
28	WWIS		lot 34 con 1 ON ***Well ID:*** 1513184	E/187.1	2.17	64
29	BORE		ON	E/187.2	2.17	67
30	BORE		ON	NNW/189.5	-9.96	69
31	EHS		Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON	W/192.8	0.10	69
32	EHS		241 Centrum Blvd Ottawa ON	W/199.2	-4.93	69
32	EHS		241 Centrum Blvd Ottawa ON K1E0A1	W/199.2	-4.93	70
32	ECA	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	W/199.2	-4.93	70
32	ECA	DCR/Phoenix Development Corporation Limited	241 Centrum Blvd Ottawa ON K2E 6T8	W/199.2	-4.93	70
32	ECA	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	W/199.2	-4.93	70
33	WWIS		3350 ST. JOSEPH BLVD. lot 34 con 10 ORLEANS ON ***Well ID:*** 7116916	E/206.6	2.17	71
34	BORE		ON	N/211.4	-9.42	77
35	WWIS		lot 34 con 1 ON ***Well ID:*** 1511686	ENE/216.9	-1.22	78
36	EHS		3350 St Joseph Blvd Orléans ON K1C 1T1	E/222.8	1.36	81

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
37	WWIS		lot 34 con 1 ON ***Well ID:*** 1515224	ENE/243.0	-0.84	81
38	BORE		ON	WSW/244.7	6.91	85

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 10 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	W	133.00	15
	ON	WSW	143.87	17
	ON	ESE	175.24	23
	ON	E	187.19	29
	ON	WSW	244.73	38

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	N	82.27	6
	ON	NNW	172.99	22
	ON	NW	183.71	27
	ON	NNW	189.50	30

	ON	N	211.36	34

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ottawa Police Service East Division Building	Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON	ESE	67.16	5
CUMBERLAND TOWNSHIP	RR #47/ST.JOSEPH BLVD./RR # 34 CUMBERLAND TWP. ON	ESE	67.16	5

Lower Elevation	Address	Direction	Distance (m)	Map Key
DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	WNW	66.93	4

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 10 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON K2E 6T8	SW	59.73	3
DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON K2E 6T8	SW	59.73	3
City of Ottawa	Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON K1P 1J1	ESE	67.16	5

Lower Elevation	Address	Direction	Distance (m)	Map Key
1534436 Ontario Limited	Ottawa ON K2E 6T8	WNW	122.64	11
1534436 Ontario Limited	Ottawa ON K2E 6T8	WNW	122.64	11
Hillside Vista Flats Inc.	517 Recolte Pvt 551 Recolte Pvt Ottawa ON K2E 6T8	W	122.81	12
DCR/Phoenix Development Corporation Limited	Silo St (241 Centrum Boulevard) Ottawa ON K2E 6T8	WNW	176.31	25
Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	W	199.18	32
DCR/Phoenix Development Corporation Limited	241 Centrum Blvd Ottawa ON K2E 6T8	W	199.18	32
Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	W	199.18	32

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 9 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	WNW	16.46	1
	3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	WNW	16.46	1
	3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	WNW	16.46	1
	Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON	W	192.76	31

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3350 St Joseph Blvd Orléans ON K1C 1T1	E	222.84	36

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Southwest of Tenth Line Rd and Regional Rd 174 Ottawa (Orleans) ON	NW	107.59	10
	Hillside Vista Ottawa ON	W	147.27	19
	241 Centrum Blvd Ottawa ON	W	199.18	32
	241 Centrum Blvd Ottawa ON K1E0A1	W	199.18	32

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 3 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
CITY OF OTTAWA	3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES OTTAWA ON K1E 3X8	ENE	122.89	13
CITY OF OTTAWA	3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES OTTAWA ON K1E 3X8	ENE	122.89	13
CITY OF OTTAWA	3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES OTTAWA ON	ENE	122.89	13

INC - Fuel Oil Spills and Leaks

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3275 ST JOSEPH BLVD, ORLÉANS ON	WSW	88.36	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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT - 6"	ST JOSEPH BLVD AND TENTH LINE RD,,OTTAWA,ON,,CA ON	ESE	67.16	5

SPL - Ontario Spills

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PUC	LOT AT INT. OF RR 34 & RR 47 MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	ESE	67.16	5
	St-Joseph Blvd near Tenth Line Rd, Ottawa Ottawa ON	ESE	67.16	5
	3275 St Josephs Blvd, Orleans Ottawa ON	WSW	88.36	8

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 15 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 35 con 1 ON ***Well ID:*** 1513196	SSE	36.08	2
	lot 35 con 1 ON	WSW	85.88	7

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1513194			
	lot 34 con 1 ON	ESE	90.71	9
	Well ID: 1513186			
	lot 35 con 1 ON	W	132.99	14
	Well ID: 1513193			
	lot 35 con 1 ON	WSW	135.76	16
	Well ID: 1513195			
	lot 35 con 1 ON	WSW	143.99	18
	Well ID: 1513198			
	lot 35 con 1 ON	WSW	163.59	20
	Well ID: 1513197			
	lot 34 con 1 ON	ESE	175.31	24
	Well ID: 1513185			
	lot 35 con 1 ON	WSW	181.60	26
	Well ID: 1516402			
	lot 34 con 1 ON	E	187.15	28
	Well ID: 1513184			
	lot 34 con 1 ON	E	187.15	28
	Well ID: 1513183			
	3350 ST. JOSEPH BLVD. lot 34 con 10 ORLEANS ON	E	206.55	33
	Well ID: 7116916			

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 34 con 1 ON	E	168.89	21

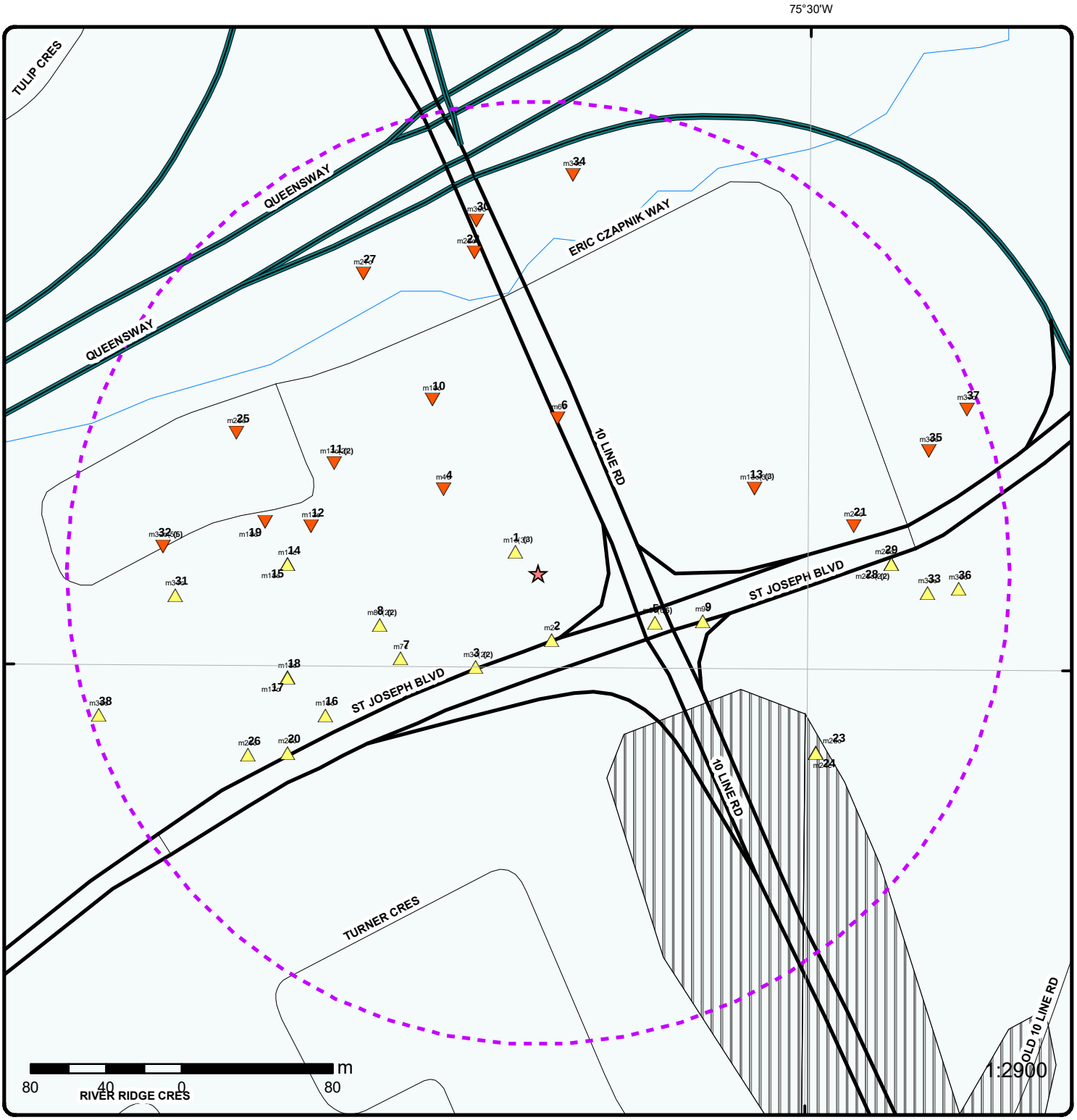
Well ID: 1513189

lot 34 con 1 ON	ENE	216.94	**35**

Well ID: 1511686

lot 34 con 1 ON	ENE	243.05	**37**

Well ID: 1515224



Map : 0.25 Kilometer Radius

Order Number: 21011900383

Address: 3277 St. Joseph Boulevard, Orléans, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

- 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.

75°30'W

45°28'30"N

45°28'30"N

Aerial

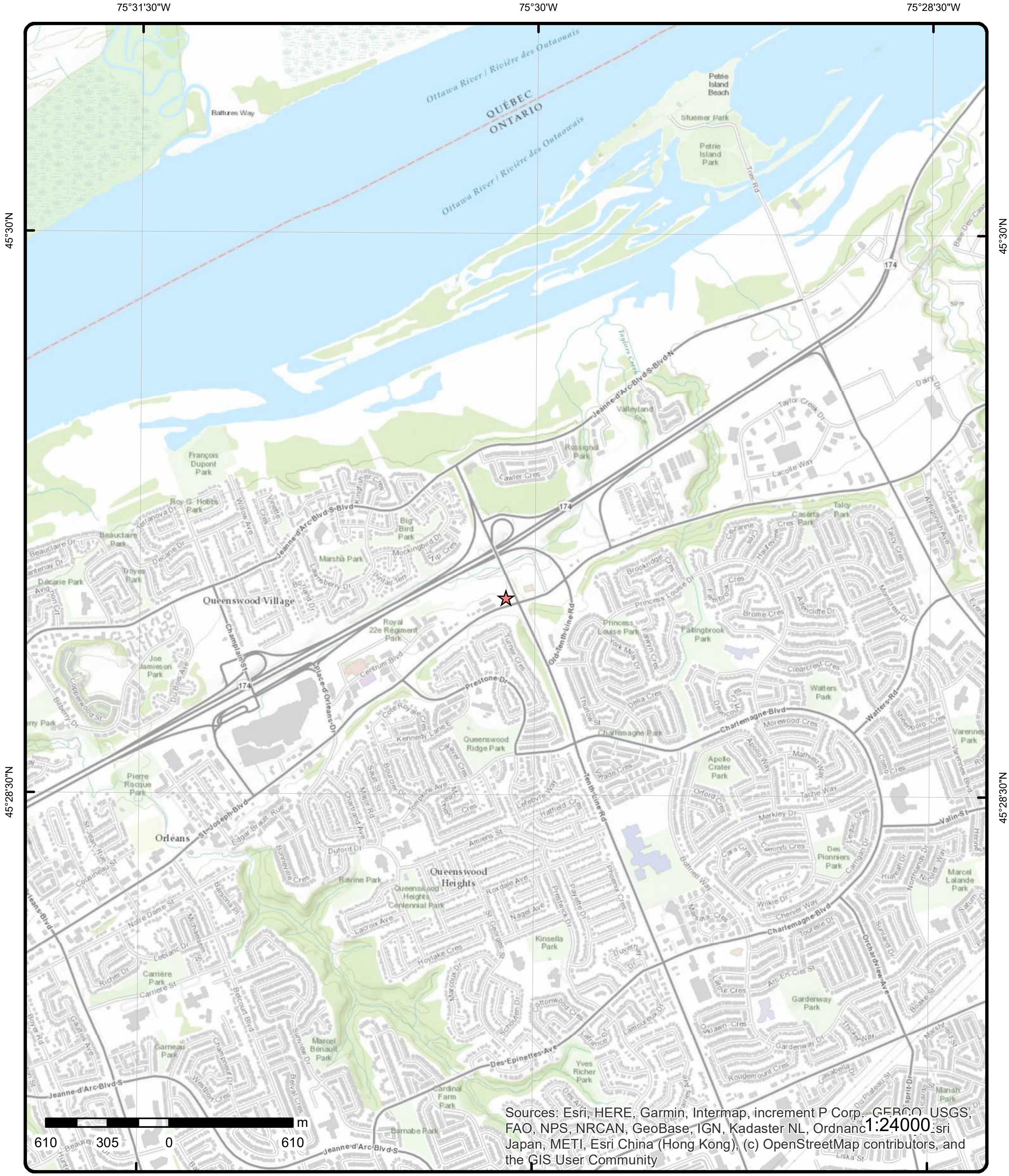
Year: 2015

Order Number: 21011900383

Address: 3277 St. Joseph Boulevard, Orléans, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Order Number: 21011900383

Address: 3277 St. Joseph Boulevard, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 3	WNW/16.5	69.0 / 4.45	3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	EHS

Order No:	20200317064	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	20-MAR-20	**Search Radius (km):**	.25
Date Received:	17-MAR-20	**X:**	-75.5019681
Previous Site Name:		**Y:**	45.4838839
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 3	WNW/16.5	69.0 / 4.45	3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	EHS

Order No:	20200317064	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	20-MAR-20	**Search Radius (km):**	.25
Date Received:	17-MAR-20	**X:**	-75.5019681
Previous Site Name:		**Y:**	45.4838839
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 3	WNW/16.5	69.0 / 4.45	3277 & 3301 St. Joseph Blvd. Orléans ON K1C 1T1	EHS

Order No:	20200317064	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	20-MAR-20	**Search Radius (km):**	.25
Date Received:	17-MAR-20	**X:**	-75.5019681
Previous Site Name:		**Y:**	45.4838839
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	SSE/36.1	72.3 / 7.74	lot 35 con 1 ON	WWIS

Well ID:	1513196	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/24/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP

Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	035
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1513196.pdf

Bore Hole Information

Bore Hole ID:	10035184	**Elevation:**	72.986129
DP2BR:	5	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460790.8
Code OB Desc:	Bedrock	**North83:**	5036782
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/6/1965	**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:	931022661
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022662
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	172
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513196
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583754
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062348
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	172
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062347
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	43
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513196
Pump Set At:	
Static Level:	40
Final Level After Pumping:	190
Recommended Pump Depth:	100
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

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

Water ID: 933468698
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 172
Water Found Depth UOM: ft

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3 *1 of 2* *SW/59.7* *74.6 / 10.06* **DCR/Phoenix Development Corporation Limited**
3291 St. Joseph Boulevard and 241 Centrum Boulevard
Ottawa ON K2E 6T8
ECA

Approval No: 6205-8TAQV9
Approval Date: 2012-07-19
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.50856
Latitude: 45.482079999999996
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 3291 St. Joseph Boulevard and 241 Centrum Boulevard
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9185-8LFKPP-14.pdf

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3 *2 of 2* *SW/59.7* *74.6 / 10.06* **DCR/Phoenix Development Corporation Limited**
3291 St. Joseph Boulevard and 241 Centrum Boulevard
Ottawa ON K2E 6T8
ECA

Approval No: 8733-8KU2AY
Approval Date: 2011-08-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.50856
Latitude: 45.482079999999996
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 3291 St. Joseph Boulevard and 241 Centrum Boulevard
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5423-8KDRZH-14.pdf

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4 *1 of 1* *WNW/66.9* *60.9 / -3.72* **DCR/Phoenix Development Corporation Limited**
3291 St. Joseph Boulevard and 241 Centrum Boulevard
Ottawa ON
CA

Certificate #: 8733-8KU2AY
Application Year: 2011
Issue Date: 8/22/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 6	ESE/67.2	72.2 / 7.59	CUMBERLAND TOWNSHIP RR #47/ST.JOSEPH BLVD./RR # 34 CUMBERLAND TWP. ON	CA

Certificate #: 3-0284-93-
Application Year: 93
Issue Date: 4/1/1993
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	2 of 6	ESE/67.2	72.2 / 7.59	PUC LOT AT INT. OF RR 34 & RR 47 MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	SPL

Ref No: 93355
Site No:
Incident Dt: 11/12/1993
Year:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/12/1993
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: REG. MUN. OF CARLETON: TRUCK OVERTURN 45L DIESEL/MOTOR OIL TO LOT
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20601
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	3 of 6	ESE/67.2	72.2 / 7.59	Ottawa Police Service East Division Building Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON	CA

Certificate #: 4923-543KLW
Application Year: 01
Issue Date: 11/15/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West

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

Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: Installation of Combustion Equipment (Diesel Generator, Gas Fired Rood Top Units, Gas Fired Boilers and a gas fired Humidifier) at the Ottawa Police Service East Division Building
Contaminants:
Emission Control:

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5 | **4 of 6** | **ESE/67.2** | **72.2 / 7.59** | **City of Ottawa**
Intersection of St. Joseph Blvd. & 10th Line Road
Ottawa ON K1P 1J1 | **ECA**

Approval No: 4923-543KLW
Approval Date: 2001-11-15
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Address: Intersection of St. Joseph Blvd. & 10th Line Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3418-52ZH57-14.pdf

MOE District: Ottawa
City:
Longitude: -75.7499
Latitude: 45.3552
Geometry X:
Geometry Y:

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5 | **5 of 6** | **ESE/67.2** | **72.2 / 7.59** | **St-Joseph Blvd near Tenth Line Rd, Ottawa**
Ottawa ON | **SPL**

Ref No: 5626-AZVL6W
Site No: NA
Incident Dt: 2018/06/19
Year:
Incident Cause:
Incident Event: Collision/Accident
Contaminant Code: 15
Contaminant Name: ENGINE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1993
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land; Source Water Zone
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2018/06/19
Dt Document Closed: 2018/07/30
Incident Reason: Unknown / N/A
Site Name: site<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: 311 Ottawa: vehicle accident; quantity? of engine fluids to road
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type:
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: St-Joseph Blvd near Tenth Line Rd, Ottawa
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: 5036792.11
Easting: 460850.21
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type: Motor Vehicle

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5 | **6 of 6** | **ESE/67.2** | **72.2 / 7.59** | **PIPELINE HIT - 6"**
ST JOSEPH BLVD AND TENTH LINE RD,,
OTTAWA,ON,,CA
ON | **PINC**

Incident ID:
Incident No: 1664612

Fuel Category:
Health Impact:

Incident Reported Dt:	6/16/2015	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	
Status Code:		**Service Interupt:**	
Customer Acct Name:	PIPELINE HIT - 6"	**Enforce Policy:**	
Incident Address:	ST JOSEPH BLVD AND TENTH LINE RD,, OTTAWA,ON,,CA	**Public Relation:**	
Tank Status:	Non Mandated	**Pipeline System:**	
Task No:		**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Fuel Type:		**PSIG:**	
Fuel Occurrence Tp:		**Attribute Category:**	
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Dt:		**Method Details:**	
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

6 | ***1 of 1*** | ***N/82.3*** | ***58.4 / -6.14*** | ***ON*** | ***BORE***

Borehole ID:	848224	**Inclin FLG:**	No
OGF ID:	215589855	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	OCT-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	CUMBERLAND
Sec. Water Use:		**Latitude DD:**	45.484519
Total Depth m:	9	**Longitude DD:**	-75.501688
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460794
Drill Method:	Hollow stem auger	**Northing:**	5036899
Orig Ground Elev m:	60.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	62.6		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560288	**Mat Consistency:**	Stiff
Top Depth:	3.1	**Material Moisture:**	
Bottom Depth:	9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	STIFF TO FIRM GREY SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560287	**Mat Consistency:**	Very Stiff
Top Depth:	0	**Material Moisture:**	

Bottom Depth:	3.1	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Roots	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: 50MM ROOTMAT OVERLYING VERY STIFF TO STIFF BROWNISH GREY SILTY CLAY CRUST **Note: Many records provided by the department have a truncated [Stratum Description] field.

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7 | **1 of 1** | **WSW/85.9** | **74.4 / 9.85** | **lot 35 con 1 ON** | **WWIS**

Well ID:	1513194	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/19/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	035
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1513194.pdf

Bore Hole Information

Bore Hole ID:	10035182	**Elevation:**	75.179939
DP2BR:	0	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460710.8
Code OB Desc:	Bedrock	**North83:**	5036772
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/1/1964	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**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:	931022658
Layer:	1
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 176
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513194
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583752
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062343
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 54
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062344
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 176
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513194
Pump Set At:
Static Level: 30
Final Level After Pumping: 80
Recommended Pump Depth: 90
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468696
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	176
Water Found Depth UOM:	ft

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8 | ***1 of 2*** | ***WSW/88.4*** | ***73.6 / 9.04*** | ***3275 ST JOSEPH BLVD, ORLÉANS ON*** | ***INC***

Incident No:	1798900	**Any Health Impact:**	Yes
Incident ID:		**Any Enviro Impact:**	No
Instance No:		**Service Interrupted:**	Yes
Status Code:		**Was Prop Damaged:**	Yes
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2016/01/31 00:00:00	**Indus App. Type:**	
Time of Occurrence:	07:30:00	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2016/02/01 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	Explosion	**Depth Ground Cover:**	
Fuel Type Involved:	Natural Gas	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	6033578	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	
Incident Location:	3275 ST JOSEPH BLVD, ORLÉANS - EXPLOSION		
Occurence Narrative:	explosion and fire at townhouse		
Operation Type Involved:	Private Dwelling		
Item:			
Item Description:			
Device Installed Location:			

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8 | ***2 of 2*** | ***WSW/88.4*** | ***73.6 / 9.04*** | ***3275 St Josephs Blvd, Orleans Ottawa ON*** | ***SPL***

Ref No:	7636-A6QK52	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/01/31	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Fire/Explosion	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	

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

Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	3275 St Josephs Blvd, Orleans
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2016/02/01	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Unknown / N/A	**Source Type:**	
Site Name:	Townhouse Explosion<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Townhouse Explosion -OFM Request for TSSA		
Contaminant Qty:	0 other - see incident description		

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9 | ***1 of 1*** | ***ESE/90.7*** | ***72.5 / 7.87*** | ***lot 34 con 1 ON*** | ***WWIS***

Well ID:	1513186	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/25/1961
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1629
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	034
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1513186.pdf

Bore Hole Information

Bore Hole ID:	10035174	**Elevation:**	70.454917
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	460870.8
Code OB Desc:	Overburden	**North83:**	5036792
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	2/27/1961	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**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:	931022636
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	81
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022637
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	81
Formation End Depth:	86
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022638
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	86
Formation End Depth:	87
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513186
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID: 10583744
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062327
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 86
Casing Diameter: 3
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062326
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 81
Casing Diameter: 3
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062328
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 87
Casing Diameter: 3
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513186
Pump Set At:
Static Level: 20
Final Level After Pumping: 35
Recommended Pump Depth: 35
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 2
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: 0
Flowing: No

Water Details

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

Water ID: 933468688
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 87
Water Found Depth UOM: ft

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10 | **1 of 1** | **NW/107.6** | **57.4 / -7.22** | **Southwest of Tenth Line Rd and Regional Rd 174**
Ottawa (Orleans) ON | **EHS**

Order No: 20100119037
Status: C
Report Type: Standard Report
Report Date: 1/28/2010
Date Received: 1/19/2010
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.502538
Y: 45.484607

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11 | **1 of 2** | **WNW/122.6** | **59.4 / -5.23** | **1534436 Ontario Limited**
Ottawa ON K2E 6T8 | **ECA**

Approval No: 9820-5XLN8F
Approval Date: 2004-03-31
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8332-5WVQD8-14.pdf
MOE District: Ottawa
City:
Longitude: -75.5032
Latitude: 45.484300000000005
Geometry X:
Geometry Y:

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11 | **2 of 2** | **WNW/122.6** | **59.4 / -5.23** | **1534436 Ontario Limited**
Ottawa ON K2E 6T8 | **ECA**

Approval No: 0785-5WXK5X
Approval Date: 2004-03-12
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4487-5WVQK2-14.pdf
MOE District: Ottawa
City:
Longitude: -75.5032
Latitude: 45.484300000000005
Geometry X:
Geometry Y:

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12 | **1 of 1** | **W/122.8** | **63.1 / -1.51** | **Hillside Vista Flats Inc.**
517 Recolte Pvt 551 Recolte Pvt
Ottawa ON K2E 6T8 | **ECA**

Approval No: 6490-BN7KYC
Approval Date: 2020-04-30
Status: Approved
Record Type: ECA
MOE District:
City:
Longitude:
Latitude:

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

Link Source: IDS
Geometry X:
SWP Area Name:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 517 Recolte Pvt 551 Recolte Pvt
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6622-BL9KS6-13.pdf

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13 | **1 of 3** | **ENE/122.9** | **62.3 / -2.29** | **CITY OF OTTAWA**
3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES
OTTAWA ON | **GEN**

Generator No: ON5942470
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913130
SIC Description:
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

---

13 | **2 of 3** | **ENE/122.9** | **62.3 / -2.29** | **CITY OF OTTAWA**
3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES
OTTAWA ON K1E 3X8 | **GEN**

Generator No: ON5942470
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913130
SIC Description: 913130
PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

Detail(s)

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

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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13 | **3 of 3** | **ENE/122.9** | **62.3 / -2.29** | **CITY OF OTTAWA**
3343 ST. JOSEPH BLVD - OTTAWA POLICE SERVICES
OTTAWA ON K1E 3X8 | **GEN**

Generator No: ON5942470
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

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

Detail(s)

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

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

---

14 | ***1 of 1*** | ***W/133.0*** | ***68.8 / 4.17*** | ***lot 35 con 1 ON*** | ***WWIS***

Well ID: 1513193
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: 12/3/1963
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 035
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513193.pdf

Bore Hole Information

Bore Hole ID: 10035181
DP2BR: 0
Spatial Status:
Code OB: h
Code OB Desc: Mixed in a Layer
Open Hole:
Cluster Kind:
Date Completed: 10/17/1963
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 66.538078
Elevrc:
Zone: 18
East83: 460650.8
North83: 5036822
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931022657
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 14
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022656
Layer: 1
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 14
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513193
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583751
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062342
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062341
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991513193
Pump Set At:	
Static Level:	10
Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	6
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:	0
Flowing:	No

Water Details

Water ID:	933468695
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62
Water Found Depth UOM:	ft

15 ***1 of 1*** ***W/133.0*** ***68.8 / 4.17*** ***ON*** ***BORE***

Borehole ID:	616364	***Inclin FLG:***	No
OGF ID:	215517153	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	OCT-1963	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.48382
Total Depth m:	18.9	***Longitude DD:***	-75.503514
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	460651
Drill Method:		***Northing:***	5036822
Orig Ground Elev m:	68.6	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	66.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403750	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	4.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Boulders	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: BOULDERS.

Geology Stratum ID: 218403751
Top Depth: 4.3
Bottom Depth: 18.9
Material Color: Grey
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 00062Y. 001583FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 1950 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08872 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

16	1 of 1	WSW/135.8	76.2 / 11.61	lot 35 con 1 ON	WWIS

Well ID: 1513195
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: 5/17/1965
Selected Flag: Yes
Abandonment Rec:
Contractor: 1802
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 035
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513195.pdf

Bore Hole Information

Bore Hole ID:	10035183	**Elevation:**	75.926658
DP2BR:	4	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460670.8
Code OB Desc:	Bedrock	**North83:**	5036742
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	4/30/1965	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**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:	931022660
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4
Formation End Depth:	180
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022659
Layer:	1
Color:	
General Color:	
Mat1:	12
Most Common Material:	STONES
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513195
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583753

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062345
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 53
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062346
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 180
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513195
Pump Set At:
Static Level: 30
Final Level After Pumping: 50
Recommended Pump Depth: 70
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468697
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 180
Water Found Depth UOM: ft

---

17 ***1 of 1*** ***WSW/143.9*** ***75.6 / 11.04*** ***ON*** ***BORE***

Borehole ID: 616362
OGF ID: 215517151
Status:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No

Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1969	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.48328
Total Depth m:	48.2	***Longitude DD:***	-75.503509
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	460651
Drill Method:		***Northing:***	5036762
Orig Ground Elev m:	59.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	74.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403748	***Mat Consistency:***	
Top Depth:	45.1	***Material Moisture:***	
Bottom Depth:	48.2	***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. GREY. 001583FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 19500. K.		

Geology Stratum ID:	218403746	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	30.5	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403747	***Mat Consistency:***	
Top Depth:	30.5	***Material Moisture:***	
Bottom Depth:	45.1	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Gravel	***Geologic Formation:***	
Material 2:	Boulders	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 08870 NTS_Sheet:		
Confiden 1:			

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

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		

18	***1 of 1***	***WSW/144.0***	***75.6 / 11.04***	***lot 35 con 1 ON***	***WWIS***

Well ID:	1513198	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/30/1970
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	035
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
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\1513198.pdf

Bore Hole Information

Bore Hole ID:	10035186	***Elevation:***	74.276809
DP2BR:	148	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460650.8
Code OB Desc:	Bedrock	***North83:***	5036762
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	7/11/1969	***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:	931022667
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 148
Formation End Depth: 158
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022666
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 100
Formation End Depth: 148
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022665
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 100
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513198
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583756
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062352
Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 158
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062351
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 150
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513198
Pump Set At:
Static Level: 25
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934378041
Test Type: Draw Down
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639039
Test Type: Draw Down
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896521
Test Type: Draw Down
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934098928
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933468700
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	158
Water Found Depth UOM:	ft

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19 | ***1 of 1*** | ***W/147.3*** | ***62.0 / -2.54*** | ***Hillside Vista Ottawa ON*** | ***EHS***

Order No:	20170725101	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	01-AUG-17	***Search Radius (km):***	.25
Date Received:	25-JUL-17	***X:***	-75.503668
Previous Site Name:		***Y:***	45.484017
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory		

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20 | ***1 of 1*** | ***WSW/163.6*** | ***78.6 / 14.06*** | ***lot 35 con 1 ON*** | ***WWIS***

Well ID:	1513197	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/18/1967
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	035
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
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\1513197.pdf

Bore Hole Information

Bore Hole ID:	10035185	***Elevation:***	76.043235
DP2BR:	4	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460650.8

Code OB Desc:	Bedrock	**North83:**	5036722
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	8/22/1967	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**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:	931022664
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4
Formation End Depth:	181
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022663
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513197
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583755
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 930062350
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 181
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062349
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 50
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513197
Pump Set At:
Static Level: 40
Final Level After Pumping: 100
Recommended Pump Depth: 100
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468699
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 181
Water Found Depth UOM: ft

---

21 | ***1 of 1*** | ***E/168.9*** | ***63.9 / -0.73*** | ***lot 34 con 1 ON*** | ***WWIS***

Well ID: 1513189
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:

Data Entry Status:
Data Src: 1
Date Received: 12/3/1963
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:

Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	034
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1513189.pdf

Bore Hole Information

Bore Hole ID:	10035177	**Elevation:**	64.343933
DP2BR:	108	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460950.8
Code OB Desc:	Bedrock	**North83:**	5036842
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/17/1963	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**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:	931022644
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022646
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth:	108
Formation End Depth:	129
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022645
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	108
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513189
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583747
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062333
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	110
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062334
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	129
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513189
Pump Set At:	
Static Level:	15
Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
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:	0
Flowing:	No

Water Details

Water ID:	933468691
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	129
Water Found Depth UOM:	ft

---

22 **1 of 1** **NNW/173.0** **54.6 / -9.96** **ON** **BORE**

Borehole ID:	848220	**Inclin FLG:**	No
OGF ID:	215589851	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	17-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	CUMBERLAND
Sec. Water Use:		**Latitude DD:**	45.485309
Total Depth m:	31.1	**Longitude DD:**	-75.502258
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460750
Drill Method:	Hollow stem auger	**Northing:**	5036987
Orig Ground Elev m:	56.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	57.4		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560271	**Mat Consistency:**	Compact
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	Fill-Granular
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Clay	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	COMPACT, BROWN, SILTY SAND AND GRAVEL, MIXED WITH CLAY: FILL **Note: Many records provided by		

the department have a truncated [Stratum Description] field.

Geology Stratum ID:	6560272	**Mat Consistency:**	Hard
Top Depth:	.8	**Material Moisture:**	
Bottom Depth:	2.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HARD TO VERY STIFF, BROWN, SILTY CLAY, CRUST, DESICCATED **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560273	**Mat Consistency:**	Stiff
Top Depth:	2.8	**Material Moisture:**	Wet
Bottom Depth:	15.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	STIFF TO VERY STIFF GREY SILTY CLAY, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560274	**Mat Consistency:**	Stiff
Top Depth:	15.2	**Material Moisture:**	Wet
Bottom Depth:	31.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	organic material	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	STIFF, DARK GREY, SILTY CLAY, ORGANIC, STAINS, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.		

23	*1 of 1*	*ESE/175.2*	*82.4 / 17.85*	*ON*	*BORE*

Borehole ID:	616359	**Inclin FLG:**	No
OGF ID:	215517148	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	FEB-1961	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.482935
Total Depth m:	43.6	**Longitude DD:**	-75.499923
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460931
Drill Method:		**Northing:**	5036722
Orig Ground Elev m:	85.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	84.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403741	**Mat Consistency:**	
Top Depth:	36.6	**Material Moisture:**	
Bottom Depth:	43.6	**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. GREY. 00143FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 19500. K. DA **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403739	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	31.1	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403740	**Mat Consistency:**	
Top Depth:	31.1	**Material Moisture:**	
Bottom Depth:	36.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Boulders	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 08867 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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 1	ESE/175.3	82.4 / 17.85	lot 34 con 1 ON	WWIS

Well ID:	1513185	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/25/1961
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1629

Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	034
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
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\1513185.pdf

Bore Hole Information

Bore Hole ID:	10035173	***Elevation:***	84.398231
DP2BR:	120	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460930.8
Code OB Desc:	Bedrock	***North83:***	5036722
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	2/22/1961	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***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:	931022635
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	120
Formation End Depth:	143
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022633
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 102
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022634
Layer: 2
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 102
Formation End Depth: 120
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513185
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583743
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062325
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 143
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062324
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 123
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930062323
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	102
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513185
Pump Set At:	
Static Level:	22
Final Level After Pumping:	45
Recommended Pump Depth:	45
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	2
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:	0
Flowing:	No

Water Details

Water ID:	933468687
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	143
Water Found Depth UOM:	ft

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25 | ***1 of 1*** | ***WNW/176.3*** | ***59.5 / -5.05*** | ***DCR/Phoenix Development Corporation Limited***
Silo St (241 Centrum Boulevard)
Ottawa ON K2E 6T8 | ***ECA***

Approval No:	0706-B65HMF	***MOE District:***	
Approval Date:	2018-11-06	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Silo St (241 Centrum Boulevard)		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4131-B5UHSX-14.pdf		

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26 | ***1 of 1*** | ***WSW/181.6*** | ***77.8 / 13.23*** | ***lot 35 con 1***
ON | ***WWIS***

Well ID:	1516402	***Data Entry Status:***	
Construction Date:		***Data Src:***	1

Primary Water Use:	Domestic	**Date Received:**	2/10/1978
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	035
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1516402.pdf

Bore Hole Information

Bore Hole ID:	10038325	**Elevation:**	75.427894
DP2BR:	17	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460629.8
Code OB Desc:	Bedrock	**North83:**	5036721
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/14/1977	**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:	931032022
Layer:	2
Color:	2
General Color:	GREY
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931032021
Layer:	1
Color:	5
General Color:	YELLOW

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931032023
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	45
Formation End Depth:	125
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961516402
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10586895
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930067364
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991516402
Pump Set At:	
Static Level:	34
Final Level After Pumping:	120
Recommended Pump Depth:	115
Pumping Rate:	6

Flowing Rate:
Recommended Pump Rate: 6
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: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934101897
Test Type: Recovery
Test Duration: 15
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934641451
Test Type: Recovery
Test Duration: 45
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380360
Test Type: Recovery
Test Duration: 30
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899353
Test Type: Recovery
Test Duration: 60
Test Level: 34
Test Level UOM: ft

Water Details

Water ID: 933472703
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 125
Water Found Depth UOM: ft

27 ***1 of 1*** ***NW/183.7*** ***54.6 / -9.99*** ***ON*** ***BORE***

Borehole ID:	848222	***Inclin FLG:***	No
OGF ID:	215589853	***SP Status:***	Initial Entry
Status:	Decommissioned	***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	OCT-1989	***Municipality:***	

Static Water Level:		***Lot:***	LOT 35
Primary Water Use:		***Township:***	CUMBERLAND
Sec. Water Use:		***Latitude DD:***	45.485206
Total Depth m:	25.6	***Longitude DD:***	-75.503012
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	460691
Drill Method:	Hollow stem auger	***Northing:***	5036976
Orig Ground Elev m:	56.7	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Within 10 metres
DEM Ground Elev m:	58.2		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560280	***Mat Consistency:***	Very Stiff
Top Depth:	.9	***Material Moisture:***	
Bottom Depth:	2.1	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	VERY STIFF, BROWN, SILTY CLAY, CRUST, DESICCATED **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560282	***Mat Consistency:***	Very Stiff
Top Depth:	10.6	***Material Moisture:***	Wet
Bottom Depth:	20.5	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	VERY STIFF, DARK GREY SILTY CLAY, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560279	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	Moist
Bottom Depth:	.9	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	Fill-Granular
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Fill	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	FIRM, BROWN, SILTY CLAY, MOIST: FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560283	***Mat Consistency:***	Very Stiff
Top Depth:	20.5	***Material Moisture:***	Wet
Bottom Depth:	25.6	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	organic material	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	VERY STIFF, DARK GREY, SILTY CLAY, ORGANIC STIANS, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560281	**Mat Consistency:**	Very Stiff
Top Depth:	2.1	**Material Moisture:**	Wet
Bottom Depth:	10.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: VERY STIFF TO STIFF, GREY, SILTY CLAY, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.

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28 | **1 of 2** | **E/187.1** | **66.8 / 2.17** | **lot 34 con 1 ON** | **WWIS**

Well ID:	1513183	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/23/1952
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1107
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	034
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1513183.pdf

Bore Hole Information

Bore Hole ID:	10035171	**Elevation:**	65.591499
DP2BR:	19	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460970.8
Code OB Desc:	Bedrock	**North83:**	5036822
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/17/1951	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**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:	931022627
Layer:	2
Color:	3
General Color:	BLUE

Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 3
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022626
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022628
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 19
Formation End Depth: 90
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513183
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10583741
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062319

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	19
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062320
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513183
Pump Set At:	
Static Level:	9
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468685
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

28	***2 of 2***	***E/187.1***	***66.8 / 2.17***	***lot 34 con 1 ON***	***WWIS***

Well ID:	1513184	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/21/1956
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA

Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	034
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1513184.pdf

Bore Hole Information

Bore Hole ID:	10035172	**Elevation:**	65.591499
DP2BR:	40	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460970.8
Code OB Desc:	Bedrock	**North83:**	5036822
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/6/1956	**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:	931022631
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	38
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022632
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	50

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022629
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022630
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 38
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513184
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583742
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062321
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 40
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930062322
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513184
Pump Set At:	
Static Level:	10
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468686
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

---

29 ***1 of 1*** ***E/187.2*** ***66.8 / 2.17*** ***ON*** ***BORE***

Borehole ID:	616365	***Inclin FLG:***	No
OGF ID:	215517154	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1956	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.483837
Total Depth m:	15.2	***Longitude DD:***	-75.499419
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	460971
Drill Method:		***Northing:***	5036822
Orig Ground Elev m:	65.5	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	65.6		
Concession:			
Location D:			

Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218403755
Top Depth: 12.2
Bottom Depth: 15.2
Material Color: Dark
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 00050 = 6000. BEDROCK. SEISMIC VELOCITY = 19500. K. DARK,GREY,SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218403753
Top Depth: .6
Bottom Depth: 11.6
Material Color: Blue
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. BLUE.

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

Geology Stratum ID: 218403754
Top Depth: 11.6
Bottom Depth: 12.2
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL.

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

Geology Stratum ID: 218403752
Top Depth: 0
Bottom Depth: .6
Material Color: White
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. WHITE.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08873 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

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

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

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30 | ***1 of 1*** | ***NNW/189.5*** | ***54.6 / -9.96*** | ***ON*** | ***BORE***

Borehole ID:	848226	**Inclin FLG:**	No
OGF ID:	215589857	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	17-JAN-1986	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	CUMBERLAND
Sec. Water Use:		**Latitude DD:**	45.485462
Total Depth m:	32.5	**Longitude DD:**	-75.502246
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460751
Drill Method:	Hollow stem auger	**Northing:**	5037004
Orig Ground Elev m:	58.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	58.4		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560293	**Mat Consistency:**	Firm
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	32.5	**Material Texture:**	
Material Color:	Brown-Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY (DESICCATED) VERY STIFF (BROWN) TO CLAY OF HIGH PLASTICITY, FIRM TO STIFF, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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31 | ***1 of 1*** | ***W/192.8*** | ***64.7 / 0.10*** | ***Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON*** | ***EHS***

Order No:	20050408012	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:		**Client Prov/State:**	ON
Report Date:	4/20/2005	**Search Radius (km):**	0.25
Date Received:	4/8/2005	**X:**	-75.505825
Previous Site Name:		**Y:**	1
Lot/Building Size:			
Additional Info Ordered:			

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32 | ***1 of 5*** | ***W/199.2*** | ***59.7 / -4.93*** | ***241 Centrum Blvd Ottawa ON*** | ***EHS***

Order No:	20111025038	**Nearest Intersection:**	

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

Status:	C	**Municipality:**		
Report Type:	Custom Report	**Client Prov/State:**	ON	
Report Date:	10/31/2011	**Search Radius (km):**	0.25	
Date Received:	10/25/2011 2:02:58 PM	**X:**	-75.505606	
Previous Site Name:		**Y:**	1	
Lot/Building Size:				
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans;			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	2 of 5	W/199.2	59.7 / -4.93	241 Centrum Blvd Ottawa ON K1E0A1	EHS

Order No:	20131213033	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	24-DEC-13	**Search Radius (km):**	.3
Date Received:	13-DEC-13	**X:**	-75.504836
Previous Site Name:		**Y:**	45.483826
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	3 of 5	W/199.2	59.7 / -4.93	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd. 241 Centrum Blvd Ottawa ON K2E 6T8	ECA

Approval No:	5703-A2WKM8	**MOE District:**	Ottawa
Approval Date:	2015-10-13	**City:**	
Status:	Approved	**Longitude:**	-75.5116
Record Type:	ECA	**Latitude:**	45.480056999999995
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	241 Centrum Blvd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8323-A2SRC8-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	4 of 5	W/199.2	59.7 / -4.93	DCR/Phoenix Development Corporation Limited 241 Centrum Blvd Ottawa ON K2E 6T8	ECA

Approval No:	7121-A6LK69	**MOE District:**	
Approval Date:	2016-02-01	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	241 Centrum Blvd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3228-9ZQPN4-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	5 of 5	W/199.2	59.7 / -4.93	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd. 241 Centrum Blvd Ottawa ON K2E 6T8	ECA

Approval No:	7128-A2UP2U	**MOE District:**	

Approval Date:	2015-10-14	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	241 Centrum Blvd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6318-A22KAY-14.pdf		

33	1 of 1	E/206.6	66.8 / 2.17	3350 ST. JOSEPH BLVD. lot 34 con 10 ORLEANS ON	WWIS

Well ID:	7116916	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	12/22/2008
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1119
Casing Material:		**Form Version:**	7
Audit No:	Z90210	**Owner:**	
Tag:	A079376	**Street Name:**	3350 ST. JOSEPH BLVD.
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	034
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	F
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/711\7116916.pdf

Bore Hole Information

Bore Hole ID:	1001913263	**Elevation:**	68.547584
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	460990
Code OB Desc:		**North83:**	5036807
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/4/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002124348
Layer:	2
Color:	2
General Color:	GREY

Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 47
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1002124347
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: 47
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1002124351
Layer: 2
Plug From: 42.5
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1002124350
Layer: 1
Plug From: 52.5
Plug To: 42.5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1002124384
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1002124345
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002124355
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 52.5
Depth To: 100
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1002124354
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2
Depth To: 52.5
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1002124356
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002124346
Pump Set At: 80
Static Level: 28.5
Final Level After Pumping: 44.7
Recommended Pump Depth: 80
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 20
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1002124372
Test Type: Recovery
Test Duration: 20
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124368
Test Type: Recovery
Test Duration: 10
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124374
Test Type: Recovery
Test Duration: 25
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124359
Test Type: Draw Down
Test Duration: 2
Test Level: 34.2
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124382
Test Type: Recovery
Test Duration: 60
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124360
Test Type: Recovery
Test Duration: 2
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124366
Test Type: Recovery
Test Duration: 5
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124357
Test Type: Draw Down
Test Duration: 1
Test Level: 33.2
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124377
Test Type: Draw Down

Test Duration: 40
Test Level: 43.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124371
Test Type: Draw Down
Test Duration: 20
Test Level: 40.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124362
Test Type: Recovery
Test Duration: 3
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124365
Test Type: Draw Down
Test Duration: 5
Test Level: 36.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124364
Test Type: Recovery
Test Duration: 4
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124358
Test Type: Recovery
Test Duration: 1
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124370
Test Type: Recovery
Test Duration: 15
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124373
Test Type: Draw Down
Test Duration: 25
Test Level: 41.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124361
Test Type: Draw Down
Test Duration: 3
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124381
Test Type: Draw Down
Test Duration: 60
Test Level: 44.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124380
Test Type: Recovery
Test Duration: 50
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124367
Test Type: Draw Down
Test Duration: 10
Test Level: 38
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124375
Test Type: Draw Down
Test Duration: 30
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124378
Test Type: Recovery
Test Duration: 40
Test Level: 28.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124379
Test Type: Draw Down
Test Duration: 50
Test Level: 44
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1002124376

Test Type:	Recovery
Test Duration:	30
Test Level:	28.5
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1002124363
Test Type:	Draw Down
Test Duration:	4
Test Level:	35.6
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1002124369
Test Type:	Draw Down
Test Duration:	15
Test Level:	39.5
Test Level UOM:	ft

Water Details

Water ID:	1002124352
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	76
Water Found Depth UOM:	ft

Water Details

Water ID:	1002124353
Layer:	2
Kind Code:	8
Kind:	Untested
Water Found Depth:	91
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1002124349
Diameter:	6.125
Depth From:	0
Depth To:	100
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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34 ***1 of 1*** ***N/211.4*** ***55.2 / -9.42*** ***ON*** ***BORE***

Borehole ID:	848221	**Inclin FLG:**	No
OGF ID:	215589852	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	17-NOV-1989	**Municipality:**	
Static Water Level:		**Lot:**	LOT 35
Primary Water Use:		**Township:**	CUMBERLAND
Sec. Water Use:		**Latitude DD:**	45.48568
Total Depth m:	45.5	**Longitude DD:**	-75.501596

Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460802
Drill Method:	Hollow stem auger	**Northing:**	5037028
Orig Ground Elev m:	57.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	57.7		
Concession:	CON 1 FROM THE OTTAWA		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6560275	**Mat Consistency:**	Hard
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HARD TO STIFF, BROWN, SILTY CLAY, CRUST, DESICCATED **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560276	**Mat Consistency:**	Firm
Top Depth:	3.7	**Material Moisture:**	Wet
Bottom Depth:	12.2	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	FIRM TO STIFF, GREY, SILTY CLAY, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6560277	**Mat Consistency:**	Stiff
Top Depth:	12.2	**Material Moisture:**	Wet
Bottom Depth:	45.5	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:	organic material	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	STIFF TO VERY STIFF, DARK GREY, SILTY CLAY, ORGANIC STAINS, WET **Note: Many records provided by the department have a truncated [Stratum Description] field.		

35	1 of 1	ENE/216.9	63.4 / -1.22	lot 34 con 1 ON	WWIS

Well ID:	1511686	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/7/1972
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	

Depth to Bedrock:		***Lot:***	034
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
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:	10033680	***Elevation:***	63.420989
DP2BR:	80	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460990.8
Code OB Desc:	Bedrock	***North83:***	5036882
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	4/29/1971	***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:	931018464
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	84
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018463
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511686
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10582250
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059834
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	82
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059835
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	84
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991511686
Pump Set At:	
Static Level:	3
Final Level After Pumping:	3
Recommended Pump Depth:	25
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934382879

Test Type:	Draw Down
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098337
Test Type:	Draw Down
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901931
Test Type:	Draw Down
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645013
Test Type:	Draw Down
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933466920
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	84
Water Found Depth UOM:	ft

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36 | ***1 of 1*** | ***E/222.8*** | ***65.9 / 1.36*** | ***3350 St Joseph Blvd Orléans ON K1C 1T1*** | ***EHS***

Order No:	20180717206	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	10-AUG-18	**Search Radius (km):**	.25
Date Received:	17-JUL-18	**X:**	-75.498963
Previous Site Name:		**Y:**	45.48372
Lot/Building Size:			
Additional Info Ordered:			

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37 | ***1 of 1*** | ***ENE/243.0*** | ***63.7 / -0.84*** | ***lot 34 con 1 ON*** | ***WWIS***

Well ID:	1515224	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/3/1976
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1

Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	034
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
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\1515224.pdf

Bore Hole Information

Bore Hole ID:	10037183	**Elevation:**	62.60535
DP2BR:	80	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	461010.8
Code OB Desc:	Bedrock	**North83:**	5036904
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/17/1975	**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:	931028593
Layer:	5
Color:	2
General Color:	GREY
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931028590
Layer:	2
Color:	5
General Color:	YELLOW
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931028592
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931028591
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931028589
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961515224
Method Construction Code: 4
Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10585753
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930065663
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 86
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991515224
Pump Set At:
Static Level: 50
Final Level After Pumping: 80
Recommended Pump Depth: 80
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 8
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: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934100040
Test Type: Recovery
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894969
Test Type: Recovery
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934375962
Test Type: Recovery
Test Duration: 30

Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934646263
Test Type: Recovery
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933471249
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

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38 **1 of 1** **WSW/244.7** **71.5 / 6.91** **ON** **BORE**

Borehole ID: 616360
OGF ID: 215517149
Status:
Type: Borehole
Use:
Completion Date: OCT-1963
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 74.7
Elev Reliabil Note:
DEM Ground Elev m: 72.9
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.483094
Longitude DD: -75.504787
UTM Zone: 18
Easting: 460551
Northing: 5036742
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218403743
Top Depth: 4.3
Bottom Depth:
Material Color: Grey
Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK. GREY. STONE. GREY. 00143FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 1950 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218403742
Top Depth: 0
Bottom Depth: 4.3
Material Color:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:

Material 1:	Boulders	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 088680 NTS_Sheet: 31G05H		
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		

Unplottable Summary

Total: 34 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Township of Cumberland	10TH LINE RD./S.W.M.	CUMBERLAND TWP. ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	City of Ottawa	Tenth Line Rd Cumberland Ward	Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	City of Ottawa	Tenth Line Rd Cumberland Ward	Ottawa ON	
CA	CONSEIL SCOLAIRE DE LANGUE FRANCAISE	ST. JOSEPH BOULEVARD	CUMBERLAND TWP. ON	
CA	TWP.	CENTRUM BLVD.	CUMBERLAND ON	
CA	R.M. OF OTTAWA-CARLETON	REGIONAL RD. 47/TENTH LINE RD.	CUMBERLAND TWP. ON	
CA	1534436 Ontario Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited and the National Capital Commission		Ottawa ON	
CA	PEREZ CORPORATION	CENTRUM BLVD.	CUMBERLAND TWP. ON	
CA	ORLEANS VETERINARY HOSPITAL C/O PROJEK	TENTH LINE RD. DESIGN & DEV	CUMBERLAND TWP. ON	
CA	PEREZ CORPORATION	CENTRUM BLVD.	CUMBERLAND TWP. ON	
CA	BUILDER DEVELOPMENT CORP.	ST. JOSEPH BLVD. APT. (SWM)	CUMBERLAND TWP. ON	

CA	GRACE PRESBYTERIAN CHURCH	REG. RD. #47 TENTH LINE RD.	CUMBERLAND TWP. ON
CA	CUMBERLAND TOWNSHIP	RR #34 (ST. JOSEPH BLVD.) SWM	CUMBERLAND TWP. ON
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON
CA	1534436 Ontario Limited		Ottawa ON
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON
CA	BRAM GROUP - BILBERRY CREEK INDL. PARK	TENTH LINE RD./S.W.M. FAC.	CUMBERLAND TWP. ON
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON
CA	CUMBERLAND TOWNSHIP	RR #34 (ST. JOSEPH BLVD.)	CUMBERLAND TWP. ON
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	UNKNOWN	10TH LINE ROAD	CUMBERLAND TOWNSHIP ON
SPL	PEREZ-BRAMALEA CORP.	BETWEEN ST. JOSEPH & CENTRUM OTTAWA SITE 3260 HAWTHORNE	CUMBERLAND TWP. ON
SPL	Kiewit Eurovia Vinci	near Highway 174 and St. Joseph's Blvd.	Ottawa ON
SPL	City of Ottawa	Hwy 174 westbound	Ottawa ON
SPL	BEAVER ROAD BUILDERS LTD.	ST. JOSEPH BLVD. AT TAYLOR CREEK MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON
SPL		QUEENSWAY EASTBOUND AT METCALFE \	OTTAWA CITY ON
SPL	City of Ottawa	S of Regional Road 174	Ottawa ON

Unplottable Report

Site: ***Township of Cumberland***
10TH LINE RD./S.W.M. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-1386-92-
Application Year:	92
Issue Date:	5/28/1993
Approval Type:	Municipal sewage
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #:	4027-78FLST
Application Year:	2007
Issue Date:	10/30/2007
Approval Type:	Municipal and Private Sewage Works
Status:	Revoked and/or Replaced
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #:	3694-6EQPPV
Application Year:	2005
Issue Date:	8/8/2005
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***City of Ottawa***
Tenth Line Rd Cumberland Ward Ottawa ON

Database: ***CA***

Certificate #:	3246-6XDPKA
Application Year:	2007

Issue Date: 1/19/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 2519-89BLNM
Application Year: 2010
Issue Date: 9/17/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 2423-8BKMY7
Application Year: 2010
Issue Date: 12/13/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Tenth Line Rd Cumberland Ward Ottawa ON

Database: ***CA***

Certificate #: 1950-7LGSHX
Application Year: 2008
Issue Date: 11/27/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CONSEIL SCOLAIRE DE LANGUE FRANCAISE***
ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-0596-91-
Application Year:	91
Issue Date:	5/17/1991
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***TWP.***
CENTRUM BLVD. CUMBERLAND ON

Database: ***CA***

Certificate #:	7-0110-85-007
Application Year:	85
Issue Date:	3/11/85
Approval Type:	Municipal water
Status:	Revised Ammendment
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***R.M. OF OTTAWA-CARLETON***
REGIONAL RD. 47/TENTH LINE RD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-0632-90-
Application Year:	90
Issue Date:	4/20/1990
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***1534436 Ontario Limited***
Ottawa ON

Database: ***CA***

Certificate #:	0785-5WXK5X
Application Year:	2004
Issue Date:	3/12/2004
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	

Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 5746-89AQZW
Application Year: 2010
Issue Date: 9/17/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited and the National Capital Commission***
Ottawa ON

Database: ***CA***

Certificate #: 1108-64ENJ3
Application Year: 2004
Issue Date: 10/7/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PEREZ CORPORATION***
CENTRUM BLVD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-2207-87-
Application Year: 87
Issue Date: 12/30/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***ORLEANS VETERINARY HOSPITAL C/O PROJEK***
TENTH LINE RD. DESIGN & DEV CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-0986-87-
Application Year: 87
Issue Date: 6/15/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:

Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PEREZ CORPORATION***
CENTRUM BLVD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 7-1867-87-
Application Year: 87
Issue Date: 12/30/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BUILDER DEVELOPMENT CORP.***
ST. JOSEPH BLVD. APT. (SWM) CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-0050-94-
Application Year: 94
Issue Date: 2/14/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***GRACE PRESBYTERIAN CHURCH***
REG. RD. #47 TENTH LINE RD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 7-0988-89-
Application Year: 89
Issue Date: 6/27/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CUMBERLAND TOWNSHIP***
RR #34 (ST. JOSEPH BLVD.) SWM CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1066-93-

Application Year: 93
Issue Date: 10/13/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 6336-5ZSPY5
Application Year: 2004
Issue Date: 6/11/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 8716-69QKEM
Application Year: 2005
Issue Date: 2/18/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***1534436 Ontario Limited***
Ottawa ON

Database: ***CA***

Certificate #: 9820-5XLN8F
Application Year: 2004
Issue Date: 3/31/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 7851-8CTN4K
Application Year: 2011
Issue Date: 1/7/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BRAM GROUP - BILBERRY CREEK INDL. PARK***
TENTH LINE RD./S.W.M. FAC. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1316-92-
Application Year: 92
Issue Date: 11/16/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 4370-7WBQGD
Application Year: 2009
Issue Date: 10/2/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CUMBERLAND TOWNSHIP***
RR #34 (ST. JOSEPH BLVD.) CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1028-93-
Application Year: 93
Issue Date: 9/16/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: ***TRANSPORT TRUCK*** ***Database:*** ***SPL***
QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Ref No:	224201	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/19/2002	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***Sector Type:***	
Incident Event:		***Agency Involved:***	OPP-KANATA; MTO
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:	CONFIRMED	***Site Municipality:***	20107
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:	4/19/2002	***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: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.
Contaminant Qty:

Site: ***UNKNOWN*** ***Database:*** ***SPL***
10TH LINE ROAD CUMBERLAND TOWNSHIP ON

Ref No:	101790	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/24/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20601
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	ORLEANS WORKS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/24/1994	***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: UNKNOWN SOURCE-PETROLEUM PRODUCT TO CATCHBASIN, VACTRUCK CALLED.
Contaminant Qty:

Site: ***PEREZ-BRAMALEA CORP.*** ***Database:*** ***SPL***
BETWEEN ST. JOSEPH & CENTRUM OTTAWA SITE 3260 HAWTHORNE CUMBERLAND TWP. ON

Ref No:	17759	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/28/1989	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNDERGROUND TANK LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20601
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:	4/28/1989	***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:	PEREZ CORPORATION - 225 LITRES OF GASOLINE/WATER LEAKED FROM TANK.		
Contaminant Qty:			

Site: ***Kiewit Eurovia Vinci***
near Highway 174 and St. Joseph's Blvd. Ottawa ON

Database: ***SPL***

Ref No:	1873-BR2H3R	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2020/06/27	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Unknown / N/A
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	near Highway 174 and St. Joseph's Blvd.
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:	n/a	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Land	***Northing:***	5033232
MOE Response:	No	***Easting:***	454490
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2020/06/29	***Site Map Datum:***	NAD83
Dt Document Closed:	2020/07/17	***SAC Action Class:***	Land Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	***Source Type:***	Valve/Fitting/Piping
Site Name:	construction site road<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	KEV: ~3L hydraulic oil to gravel/cleaned/no impacts		
Contaminant Qty:	3 L		

Site: ***City of Ottawa***
Hwy 174 westbound Ottawa ON

Database: ***SPL***

Ref No:	1861-72DJ2M	***Discharger Report:***	
Site No:		***Material Group:***	Chemicals
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT (N.O.S.)	***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:***	Ottawa
Nature of Impact:	Soil Contamination	***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:	4/18/2007	***Site Map Datum:***	
Dt Document Closed:	5/3/2007	***SAC Action Class:***	
Incident Reason:	Spill	***Source Type:***	
Site Name:	OC Transpo vehicle, Hwy 174 westbound<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo: 15-20 L antifreeze to roadway		
Contaminant Qty:	20 L		

Site: ***BEAVER ROAD BUILDERS LTD.***
ST. JOSEPH BLVD. AT TAYLOR CREEK MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	88497	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/14/1993	***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:	POSSIBLE	***Site Municipality:***	20601
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:	7/15/1993	***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:	BEAVER ROAD BUILDERS LTD.- 70L DIESEL FUEL TO LANDFROM OVERTURNED TRUCK		
Contaminant Qty:			

Site:
QUEENSWAY EASTBOUND AT METCALFE \ OTTAWA CITY ON

Database: ***SPL***

Ref No:	162583	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	12/2/1998	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	

MOE Reported Dt:	12/2/1998	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:			
Contaminant Qty:			

Site: ***City of Ottawa***
S of Regional Road 174 Ottawa ON

Database: ***SPL***

Ref No:	4531-9XBM6J	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	6/2/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	99	***Nearest Watercourse:***	
Contaminant Name:	WATER (HIGH CHLORINE)	***Site Address:***	S of Regional Road 174
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	N	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/9/2015	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	Blair Road<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Ottawa chlorinated water to ground		
Contaminant Qty:	24 m^3		

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-Jun 30, 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-Jun 30, 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 - Sep 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-Dec 31, 2020

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-Dec 31, 2020

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-Dec 31, 2020

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- Dec 31, 2020

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-Oct 31, 2020

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, 2019

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-Sep 2020

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-Jul 31, 2020

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-Jan 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-Sep 30, 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-Aug 31, 2020

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-Dec 31, 2020

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-Dec 31, 2020

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-Dec 31, 2020

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-Nov 2020

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-Jun 30, 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-Aug 2019

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-Dec 31, 2020

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

Samuel Berube, B. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Junior Environmental Engineer

EDUCATION

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

EXPERIENCE

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

2018
Health Canada FNIHB
Proposal and Final Design Review
Student Engineer

SELECT LIST OF PROJECTS

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

paterson group
solution oriented engineering

Adrian Menyhart
P.Eng, ing., QP$_{esa}$

Adrian received his Bachelor of Engineering from Carleton University in 2011, with a specialization in environmental engineering, and joined Paterson Group shortly after graduation. Over the next seven years, Adrian gained significant experience in all aspects of environmental engineering beginning with field work and later, with reporting and project management. In 2018, Adrian joined the National Research Council as an environmental officer, working in the field of polyfluoroalkyl substances (PFAS) at the National Fire Laboratory. Following the National Research Council, Adrian returned to consulting at WSP Canada Inc. At WSP, Adrian assisted the Ottawa environmental group as a project manager, managing large and small federal environmental projects such as the investigations for the proposed Alexandra interprovincial bridge. Finally, after two years away, Adrian returned to Paterson Group as a senior project manager within the environmental department.

Over the course of his career, Adrian has become well versed with environmental site assessments and remediation programs, in both Ontario and Quebec, designated substance surveys, mould assessments and indoor air quality assessments. Adrian has filed multiple Records of Site Condition with the Ontario Ministry of the Environment, Conservation and Parks. Fluently bilingual, Adrian holds engineering licenses in both Ontario and Quebec, as well as being a Qualified Person in the Province of Ontario.

EDUCATION
B.Eng. 2011, Environmental Engineering, Carleton University, Ottawa, ON

LICENCE/ PROFESSIONAL AFFILIATIONS
Ordre des Ingénieurs du Québec
Professional Engineers of Ontario
Ottawa Geotechnical Group

YEARS OF EXPERIENCE
10 years

WSP Canada Inc.
2019-2020

National Research Council
2018-2019

Paterson Group
2011 – 2018

OFFICE LOCATION
Paterson's Ottawa Office

SELECT LIST OF PROJECTS

- Alexandra Bridge Replacement, Phase II ESA, Ottawa/Gatineau – provided oversight of the Phase I and Phase II program for the bridge replacement program.
- National Fire Laboratory, PFAS investigation – Provided technical support for the National Research Council, with respect to the ongoing PFAS investigation.
- Ottawa Arts Gallery Expansion, Ottawa, ON (remediation supervisor) – Provided guidance in the segregation of soils on the site, managing contaminated and clean materials, providing daily correspondence with the client. Successfully filed a Record of Site Condition for the property.
- Ottawa Heart Institute Construction, Ottawa, ON (project manager) – Conducted air sampling for parameters such as particulate matter, lead, mould and asbestos
- Conducted and managed numerous designated substance surveys and asbestos surveys throughout Ontario and Quebec, for private and federal clients, collecting representative samples of potential asbestos containing materials and preparing comprehensive reports.
- Conducted and managed numerous air sampling programs, collecting samples for environmental parameters such as asbestos, lead and mould, and preparing reports.
- Conducted and managed Phase I and II Environmental Site Assessments across Ontario and Quebec

PROFESSIONAL EXPERIENCE

November 2020 to Present, **Environmental Engineer, Paterson Group Inc.,** Ottawa, Ontario

- Coordination, preparation and management of Phase I and Phase II Environmental Site Assessment.
- Coordination, preparation and managed Designated Substance Surveys and indoor air quality assessments.
- Preparation of soil and groundwater remediation plans.
- Filing records of site condition with the Ontario Ministry of the Environment, Conservation and Parks.
- Implementation of Excess Soil Regulations, Ontario.

March 2018 to 2020, **Environmental Engineer, WSP Canada Inc.,** Ottawa, Ontario

- Coordinated, prepared Phase I and Phase II Environmental Site Assessments for Federal and private clients.
- Coordinated, prepared and managed Designated Substance Surveys for various Federal and private clients, in both English and French.
- Managed all projects from preparation of proposals, to final invoicing.

September 2018 to 2019, **Environmental Officer, National Research Council,** Ottawa, Ontario

- Oversaw on-going PFAS investigation program at the National Fire Laboratory in Almonte, Ontario, being carried out by NRC consultants.
- Reviewed and commented on deliverables prepared by consultants, while coordinating with internal legal, communications, and presidential departments within the NRC.
- Corresponded with area residents surrounding the Laboratory.
- Coordinated potable water supply program.

September 2011 to 2018, **Environmental Engineer, Paterson Group Inc.,** Ottawa, Ontario

- Prepare, revise and submit all documentation and reports for the successful filing of Records of Site Condition with the Ministry of the Environment and Climate Change
- Provide on-site environmental expertise for remediation projects including Ottawa Arts Gallery, Rideau Centre Expansion and Tall Ships Landing, among various small scale remediation project within the greater Ottawa area.
- Coordinate field programs and prepare reports for Phase I and II projects across Ontario and Quebec.
- Oversee environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Conduct designated substance surveys in Ontario and Quebec.
- Coordinate air sampling programs for various environmental parameters, comparing results with regulatory standards and other guidelines.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations for environmental concerns.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for environment field programs and construction costs.

June to September from 2009 to 2011, **Inspector, Canadian Food Inspection Agency,** Ottawa, Ontario

- Conducted the trapping program for the Emerald Ash Borer across Eastern Ontario.
- Assisted in the preparation and training of other inspectors for the trapping program.
- Conducted inspections for restricted wood products at various campgrounds.
- Assisted other inspectors in inspecting shipments of wood products from other countries, in certain cases, seizing and disposing of items.
- Compiling data and preparing reports.