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Phase I - Environmental Site Assessment

1015-1045 Dairy Drive
Ottawa, Ontario

Prepared For

TBROS Limited

October 3, 2022

Report: PE5609-1

Paterson Group Inc.

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

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

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by TBROS Limited to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 1015-1045 Dairy Drive, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land. During the development of the adjacent property to the north in the 1990's, it was reported that the topsoil was stripped from the land and stockpiled on the Phase I Property. Based on the nature of the material, its native origins, as well as observations made during a previous geotechnical investigation, this imported soil is not considered to pose an environmental concern to the Phase I Property.

The surrounding lands within the Phase I Study Area have historically been developed for a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the historical use of the neighbouring properties.

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

The surrounding lands within the vicinity of the Phase I Property consist mainly of a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the current use of the neighbouring properties.

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

Recommendations

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

1.0 INTRODUCTION

At the request of TBROS Limited, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 1015-1045 Dairy Drive, in the City of Ottawa, Ontario. Henceforth, this property shall be referred to as 'The Phase I Property'. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Study Area as well as to identify any environmental concerns with the potential to have impacted the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Alex Shafran, of TBROS Limited. Mr. Shafran can be contacted via telephone at 905-667-4892.

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

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

2.0 PROPERTY INFORMATION

Address:	1015-1045 Dairy Drive, Ottawa, Ontario;
Legal Description:	Part of Lot 29, Concession 1 (Old Survey Front), Formerly the Township of Cumberland, in the City of Ottawa, Ontario.
Location:	The Phase I Property is located on the north side of the intersection of Dairy Drive and Old Montreal Road, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, appended to this report.
Latitude and Longitude:	45° 29' 35" N, 75° 28' 25" W.

Site Description:

Configuration:	Irregular.
Site Area:	2.51 hectares (approximate).
Zoning:	IL – Light Industrial Zone.
Current Use:	The Phase I Property is currently vacant.
Services:	The Phase I Property is located within a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

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

First Developed Use Determination

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

City of Ottawa Street Directories

City of Ottawa street directories, from 1992 to 2010, were reviewed for the general area of the Phase I Property as part of this assessment.

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

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

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

Address	Potentially Contaminating Activity (Years Listed)	Distance / Orientation from Site	Area of Potential Environmental Concern (Y / N)
Old Montreal Road			
996 Old Montreal Rd.	Ace Body Shop (1992-2010)	85 m South	N

Based on its separation distance, the off-site PCA identified in the directories is not considered to pose an environmental concern to the Phase I Property.

Fire Insurance Plans

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

4.2 Environmental Source Information

National Pollutant Release Inventory

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

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

Ontario PCB Waste Storage Site Inventory

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

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

One former PCB waste storage site was identified at 1001 Dairy Drive, the adjacent property to the north. This property was registered under the occupation of 'Ault Foods Ltd.', a food distribution facility, and is listed as a minor waste storage site, containing less than one liquid tonne of PCB waste material. Based on the limited reported quantities of PCB waste materials, a separation distance of approximately 75 m between the facility building and the shared property line with the Phase I Property, as well as its inferred down-gradient orientation with respect to anticipated groundwater flow, this former PCB waste storage site is not considered to have had the potential to impact the Phase I Property.

MECP Waste Disposal Site Inventory

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

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

MECP Coal Gasification Plant Inventory

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

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

MECP Brownfields Environmental Site Registry

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

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

MECP Incident Reports

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

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

MECP Submissions

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

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

MECP Instruments

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

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

MECP Waste Management Records

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

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

Technical Standards and Safety Authority (TSSA)

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

The response from the TSSA indicated that no records were identified pertaining to the Phase I Property or for any of the neighbouring properties in the Phase I Study Area.

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

OMNRF Areas of Natural and Scientific Interest (ANSI)

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

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

City of Ottawa Old Landfill Sites

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

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

City of Ottawa Historical Land Use Inventory (HLUI) Database

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

The response from the City of Ottawa indicated that no relevant records were identified pertaining to the Phase I Property.

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

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated February 7, 2022, was acquired and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area.

The complete ERIS report has been included in Appendix 2.

- *On-Site Records:*

The ERIS report identified one record associated with the Phase I Property. This record pertains to an historical ERIS database search, which was previously carried out for the site in February 2013.

A review of this record did not identify any potential environmental concerns associated with the Phase I Property.

- *Off-Site Records:*

The ERIS report identified 63 records associated with the properties situated within the Phase I Study Area. The majority of these records pertain to various domestic water wells installed for properties within the surrounding area. A review of these record did not identify any potential environmental concerns associated with the Phase I Property.

Several waste generator summary records were identified for both 1001 and 1010 Dairy Drive, the commercial properties located adjacent to the north and across the street to the west of the Phase I Property, respectively. Based on the nature of the waste products, the quantities generated, as well as the down-gradient orientation of these properties with respect to anticipated groundwater flow, none of these waste materials are considered to have the potential to impact the Phase I Property.

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

Previous Engineering Reports

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

- *"Phase I Environmental Site Assessment, 1045 Dairy Drive, Ottawa, Ontario"*, prepared by Pinchin Environmental Ltd., dated March 2013.

According to the historical research completed as part of the assessment, the Phase I Property had never been formally developed and had historically existed as either agricultural or vacant land. A review of aerial photographs from the 1990's identified areas of potential land disturbance on the Phase I Property, believed to be associated with the development of the property adjacent to the north.

Additional historical sources indicated that topsoil material was stripped from the adjacent property to the north at the time of development and stockpiled on the Phase I Property. Based on the nature of the material, as well as its native origins from the local area, this imported soil was deemed unlikely to result in any potential subsurface impact to the Phase I Property. No environmental concerns were identified with respect to the historical use of the Phase I Property.

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

Based on the findings of the assessment, no further environmental work was recommended.

- ❑ *"Subsurface Investigation Report, 1045 Dairy Drive, Ottawa, Ontario"*, prepared by Yuri Mendez Engineering, dated February 2019.

As part of the geotechnical subsurface investigation, four boreholes (BH1-BH4) were advanced throughout the Phase I Property to an average depth of approximately 5.5 m below the existing ground surface.

In general, the subsurface strata consisted of a thin layer of topsoil, underlain by brown silty clay which turned grey at depths of approximately 4.5 m below the existing ground surface. This silty clay layer was assumed to function as the local near-surface aquifer, with the water table generally encountered at depths ranging from approximately 2.9 m to 5.2 m below the existing ground surface. A dynamic cone penetration test (DCPT) was also carried out at BH4, which extended to a depth of approximately 31.0 m below the existing ground surface and was terminated on inferred bedrock.

A significant amount of fill material was encountered within the centre of the Phase I Property which, according to the borehole logs from BH3 and BH4, consisted mainly of dark grey clay. As previously discussed above, this fill material is considered to be excess topsoil stripped from the adjacent property to the north during its development in the 1990's and stockpiled on the Phase I Property. Based on the nature of the material, the lack of any deleterious substances encountered, as well as its native origins from the local area, this imported soil is not considered to result in any potential subsurface impact to the Phase I Property.

4.3 Physical Setting Sources

Aerial Photographs

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

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

1921 The Phase I Property and the surrounding lands appear to be vacant and used for agricultural purposes at this time. Old Montreal Road can be seen adjacent to the south of the Phase I Property.

1949 *(Poor Scale)* No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.

1960 No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.

1976 No significant changes are apparent with respect to the Phase I Property since the time of the previous photograph. Residential dwellings can be seen to the east and south of the Phase I Property.

1991 No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.

2002 The Phase I Property no longer appears to be used for agricultural purposes at this time, and a large mound of fill material appears to be present in the centre of the site. The adjacent property to the north appears to be occupied with the existing food distribution facility, while the adjacent property to the west appears to be under construction with the existing food processing facility.

2011 No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.

2019 No significant changes are apparent with respect to the Phase I Property since the time of the previous photograph, though several gravel fill piles can be seen placed in the southwestern corner of the site. Dairy Drive can be seen adjacent to the west of the Phase I Property. The Phase I Property and the surrounding lands appear in this photograph as they do today.

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

Water Bodies

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is Cardinal Creek, located approximately 45 m to the east, which flows in a northerly direction towards the Ottawa River, located approximately 1.0 km to the north.

Geological Maps

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

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

Topographic Maps

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

The topographic map indicates that the general elevation of the Phase I Property is approximately 60 m above sea level, while the regional topography within the greater area is depicted as sloping downwards to the north, in the general direction of 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 obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment.

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

MECP Water Well Records

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

A search of the database identified 31 well records situated within the Phase I Study Area. These records pertain to wells installed between 1949 and 2017 and used for either domestic household or groundwater monitoring purposes. While the lands surrounding the Phase I Property are largely serviced with municipal water infrastructure today, there is a potential for viable drinking water wells to remain in use within Phase I Study Area.

According to the recorded stratigraphic information in the well records, the overburden stratigraphy in the vicinity of the Phase I Property generally consists soft grey/blue clay intermixed with occasional boulders at deeper depths. Bedrock, consisting of shale and limestone, was generally encountered at an average depth of approximately 15 m below ground surface.

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

5.0 PERSONAL INTERVIEWS

Mr. Ryan Barresi, a representative of the current property owner, was contacted via email to respond to questioning about the history of the Phase I Property.

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

Mr. Barresi was aware of a significant stockpile of soil material present on the Phase I Property. According to Mr. Barresi, this soil consists of topsoil stripped from the adjacent property to the north, during its development in the 1990's, and stockpiled on the Phase I Property.

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

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was carried out for the Phase I Property on February 3, 2022, between 9:00 AM and 10:00 AM. Weather conditions were overcast, with a temperature of approximately -10 °C.

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

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

6.2 Site Inspection Observations

Site Description

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

The site topography appears to slope gently downwards to the north, in the general direction of the Ottawa River, which is consistent with the greater regional topography. The Phase I Property is considered to be at grade with respect to the adjacent streets and the neighbouring properties.

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

A depiction of the Phase I Property is illustrated on Drawing PE5609-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

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

Potential Environmental Concerns

❑ Fill Material

At the time of the site inspection, several small piles of imported fill material were identified in the southwestern corner of the Phase I Property. Upon closer inspection, it was determined that these piles consisted of crushed stone and gravel, and thus is not considered to pose any potential environmental concern to the Phase I Property. This material is suspected to have originated from the reconstruction and extension of Dairy Drive in the early 2010's.

A significant mound of fill material was identified in the centre of the Phase I Property which, according to the previous environmental reports prepared for the site, consists mainly of topsoil stripped from the adjacent property to the north during its development in the 1990's. Based on the nature of the material, as well as its native origins from the local area, this imported soil is not considered likely to result in any potential subsurface impact to the Phase I Property.

❑ Fuels and Chemical Storage

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

❑ Hazardous Materials and Unidentified Substances

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

❑ Polychlorinated Biphenyls (PCBs) and Transformer Oil

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

❑ Waste Management

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

Neighbouring Properties

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

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

North: A food distribution facility, followed by vacant land;

South: Old Montreal Road, followed by residential dwellings;

East: A residential dwelling, followed by Cardinal Creek;

West: Dairy Drive, followed by a food processing facility and agricultural land.

Based on observations made at the time of the site inspection, the present day uses of the neighbouring properties are not considered to pose any potential environmental concern to the Phase I Property.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE5609-2 – Surrounding Land Use Plan, in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

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

Potentially Contaminating Activities (PCAs)

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

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

- 1001 Dairy Drive (adjacent to the north) – Former PCB waste storage site.
- 996 Old Montreal Road (85 m south) – Existing auto body repair shop.

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

Areas of Potential Environmental Concern (APECs)

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

Contaminants of Potential Concern (CPCs)

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

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

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

Groundwater is anticipated to be encountered within the overburden and flow in a northerly direction towards the Ottawa River.

Water Bodies and Areas of Natural and Scientific Interest

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

The nearest named water body with respect to the Phase I Property is Cardinal Creek, located approximately 45 m to the east, which flows in a northerly direction towards the Ottawa River, located approximately 1.0 km to the north.

Existing Buildings and Structures

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

Current and Future Property Use

The Phase I Property currently consists of vacant land.

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

Drinking Water Wells

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

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist of a combination of commercial, light industrial, residential, and agricultural properties.

Current land use is depicted on Drawing PE5609-2 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

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

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

- 1001 Dairy Drive (adjacent to the north) – Former PCB waste storage site.
- 996 Old Montreal Road (85 m south) – Existing auto body repair shop.

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

Contaminants of Potential Concern

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

Assessment of Uncertainty and/or Absence of Information

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

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

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by TBROS Limited to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 1015-1045 Dairy Drive, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land. During the development of the adjacent property to the north in the 1990's, it was reported that the topsoil was stripped from the land and stockpiled on the Phase I Property. Based on the nature of the material, its native origins, as well as observations made during a previous geotechnical investigation, this imported soil is not considered to pose an environmental concern to the Phase I Property.

The surrounding lands within the Phase I Study Area have historically been developed for a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the historical use of the neighbouring properties.

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

The surrounding lands within the vicinity of the Phase I Property consist mainly of a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the current use of the neighbouring properties.

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

Recommendations

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

9.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and generally meets the requirements of CSA Z768-01 (reaffirmed 2016). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

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

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

Paterson Group Inc.

Nick Sullivan, B.Sc.

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

Report Distribution:

- TBROS Limited
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

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

Provincial Records

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

Municipal Records

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

Local Information Sources

- ❒ Personal Interviews.

Public Information Sources

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

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5609-1 – SITE PLAN

DRAWING PE5609-2 – SURROUNDING LAND USE PLAN

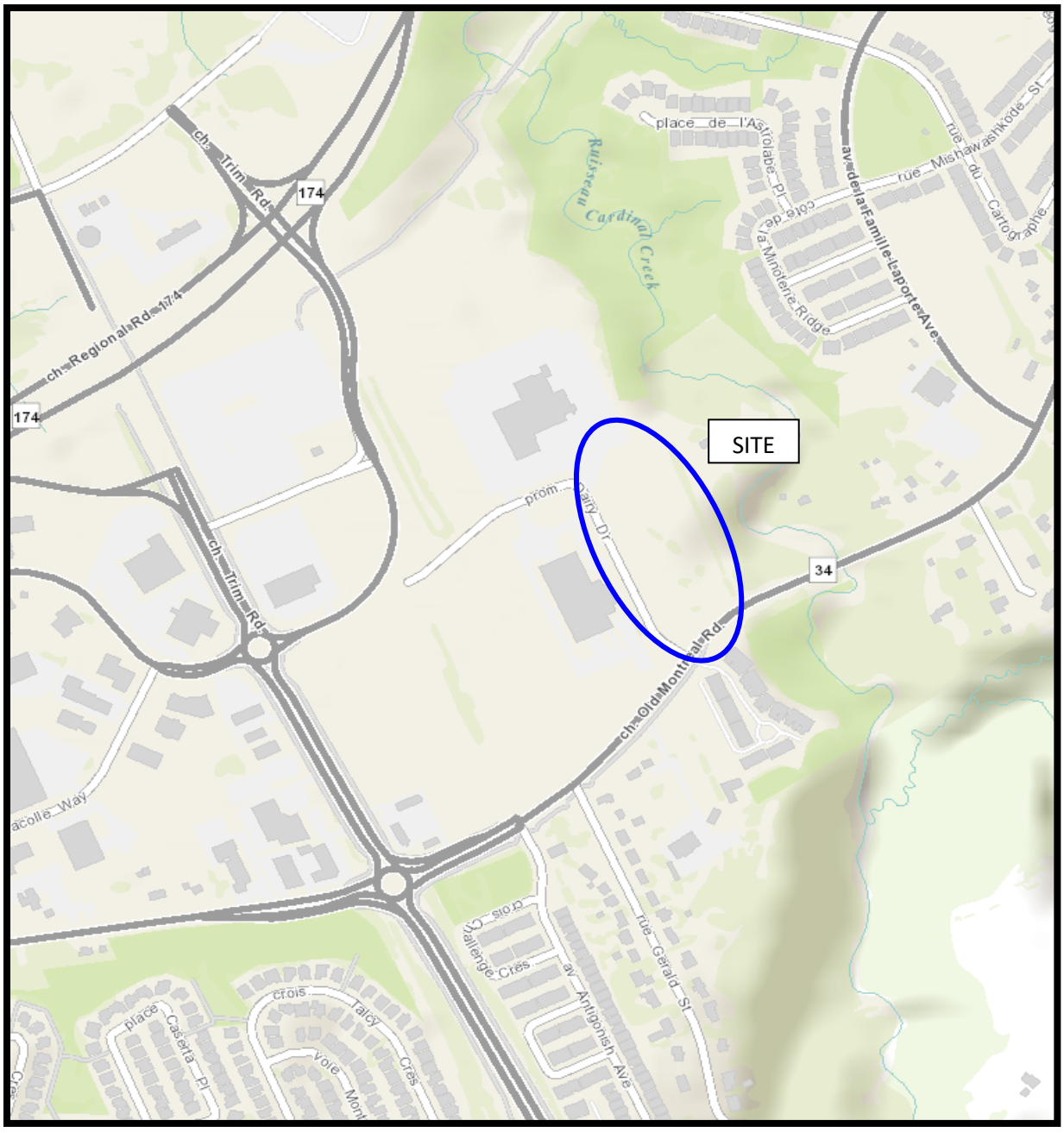


FIGURE 1

KEY PLAN

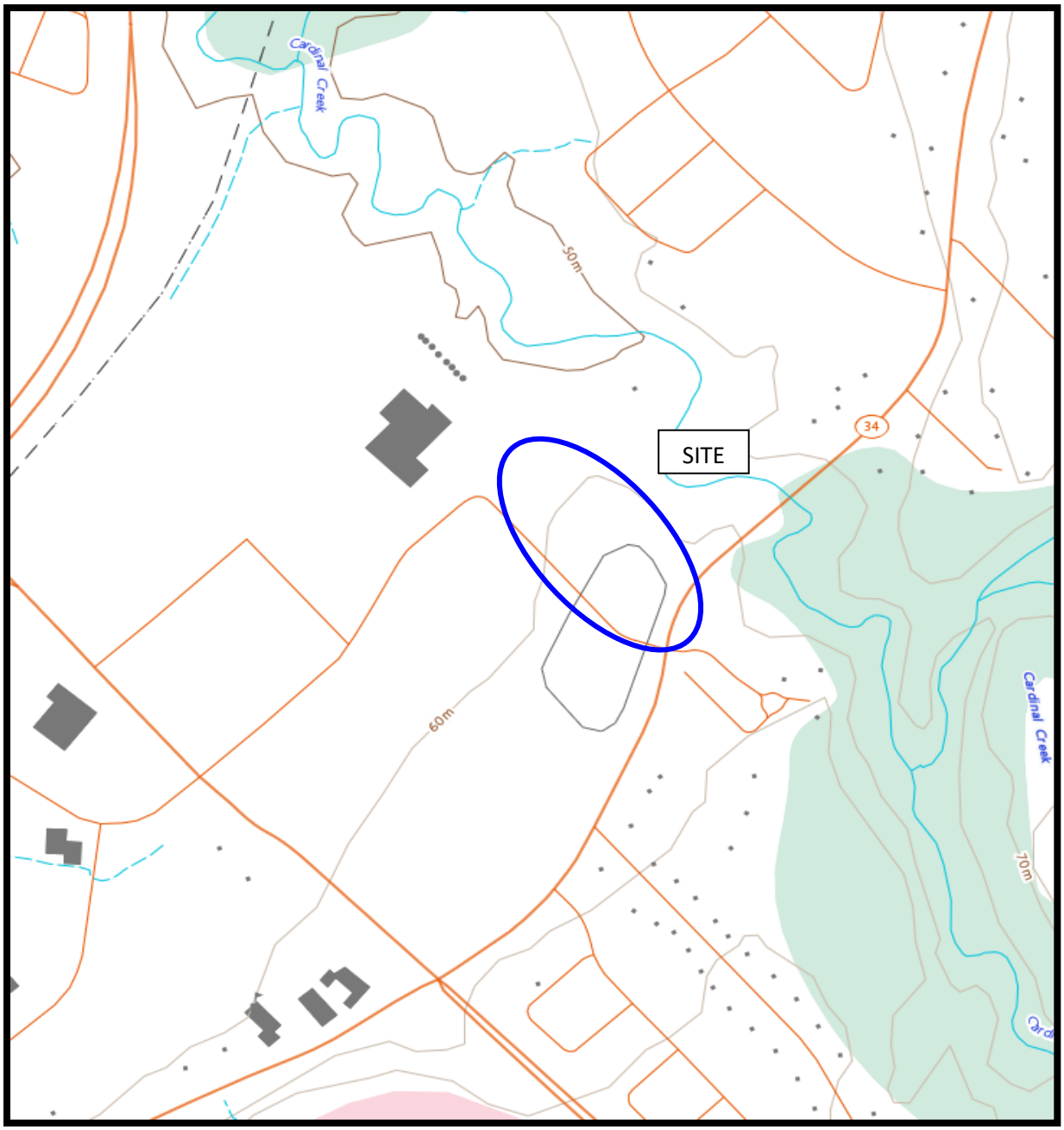
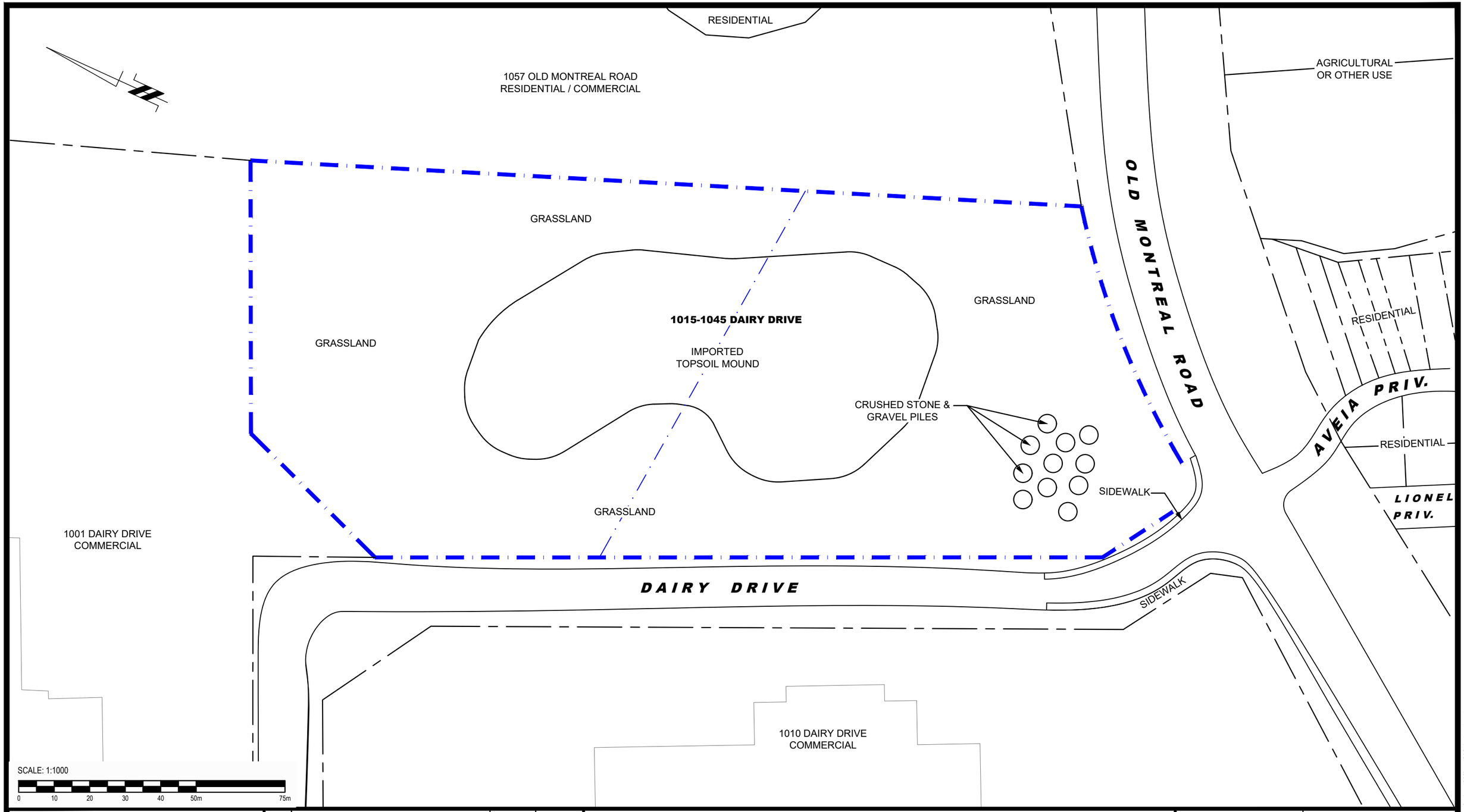


FIGURE 2

TOPOGRAPHIC MAP



patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

TBROS LIMITED

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1015-1045 DAIRY DRIVE

OTTAWA, **ONTARIO**

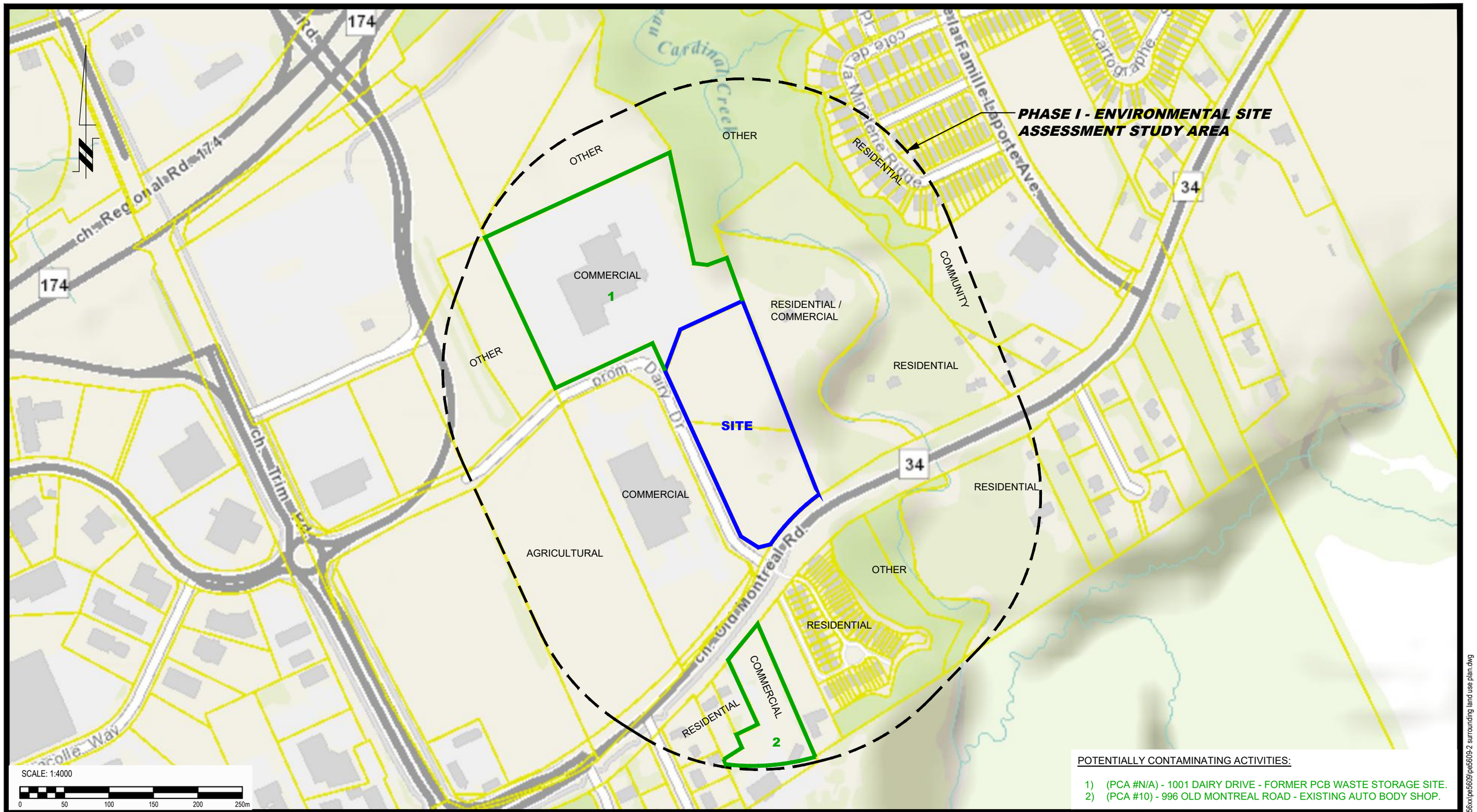
Title:

SITE PLAN

Scale: 1:1000	**Date:** 02/2022
Drawn by: JM	**Report No.:** PE5609-REP.01
Checked by: NS	**Dwg. No.:** PE5609-1
Approved by: MSD	**Revision No.:**

p:\autocad drawings\environmental\pe56xx\pe5609\pe5609-1 site plan.dwg

11x17



POTENTIALLY CONTAMINATING ACTIVITIES:

1) (PCA #N/A) - 1001 DAIRY DRIVE - FORMER PCB WASTE STORAGE SITE.
2) (PCA #10) - 996 OLD MONTREAL ROAD - EXISTING AUTO BODY SHOP.

patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

TBROS LIMITED

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1015-1045 DAIRY DRIVE

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:4000	Date: 02/2022
Drawn by: JM	Report No.: PE5609-REP.01
Checked by: NS	Dwg. No.: PE5609-2
Approved by: MSD	Revision No.:

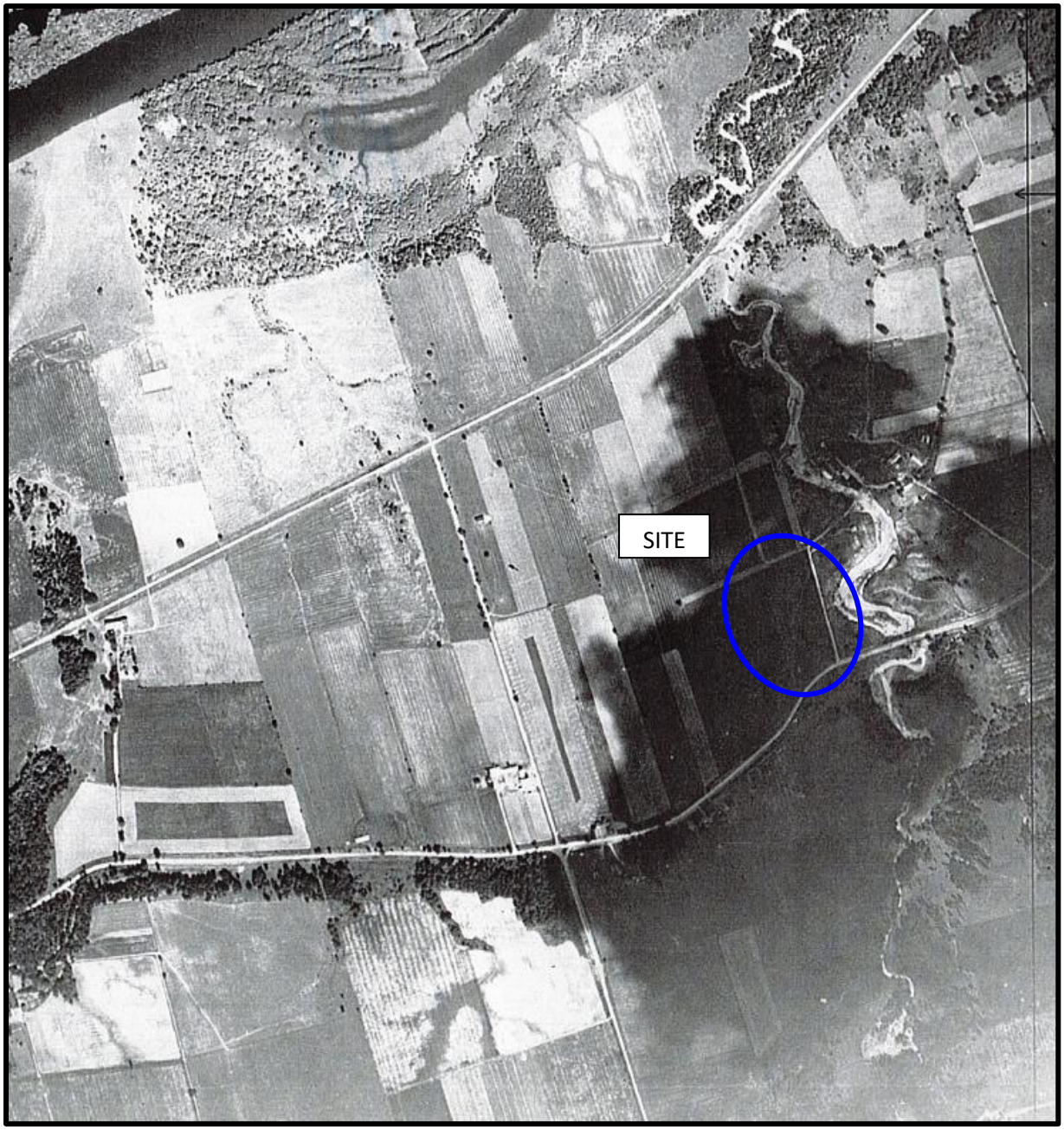
11x17

p:\autocad drawings\environmental\pe56xx\pe5609\pe5609-2 surrounding land use plan.dwg

APPENDIX 1

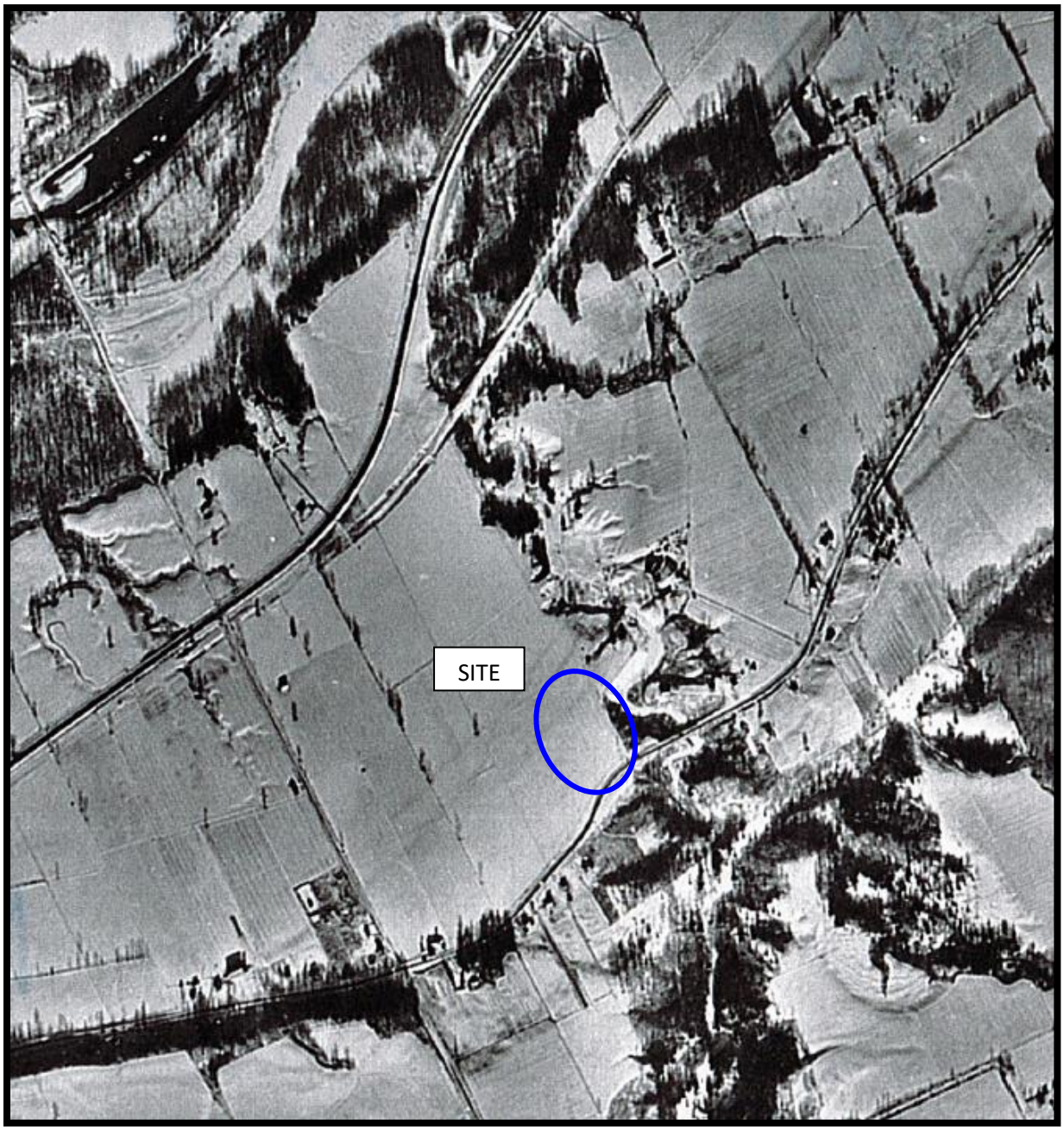
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

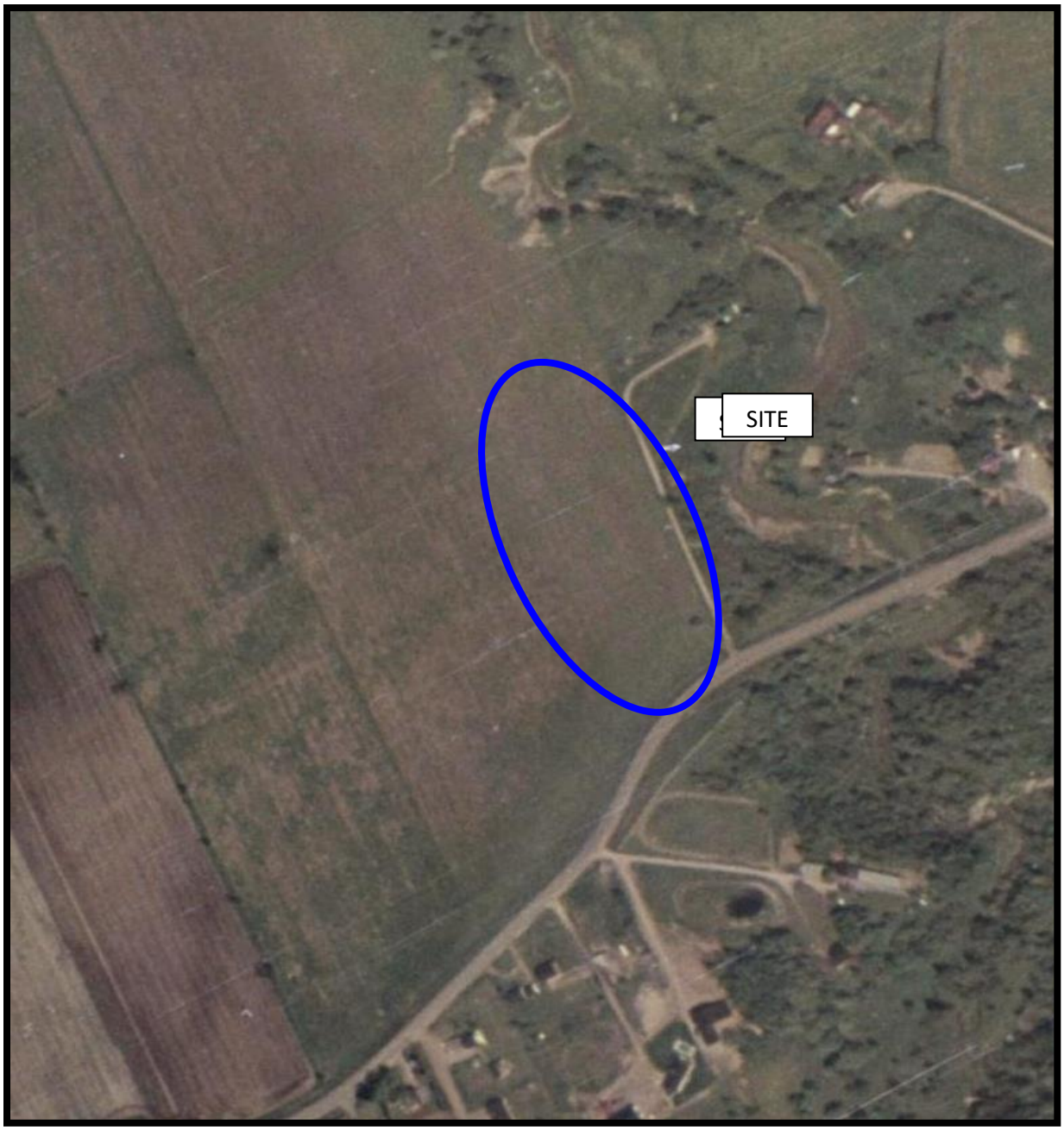


AERIAL PHOTOGRAPH
1921

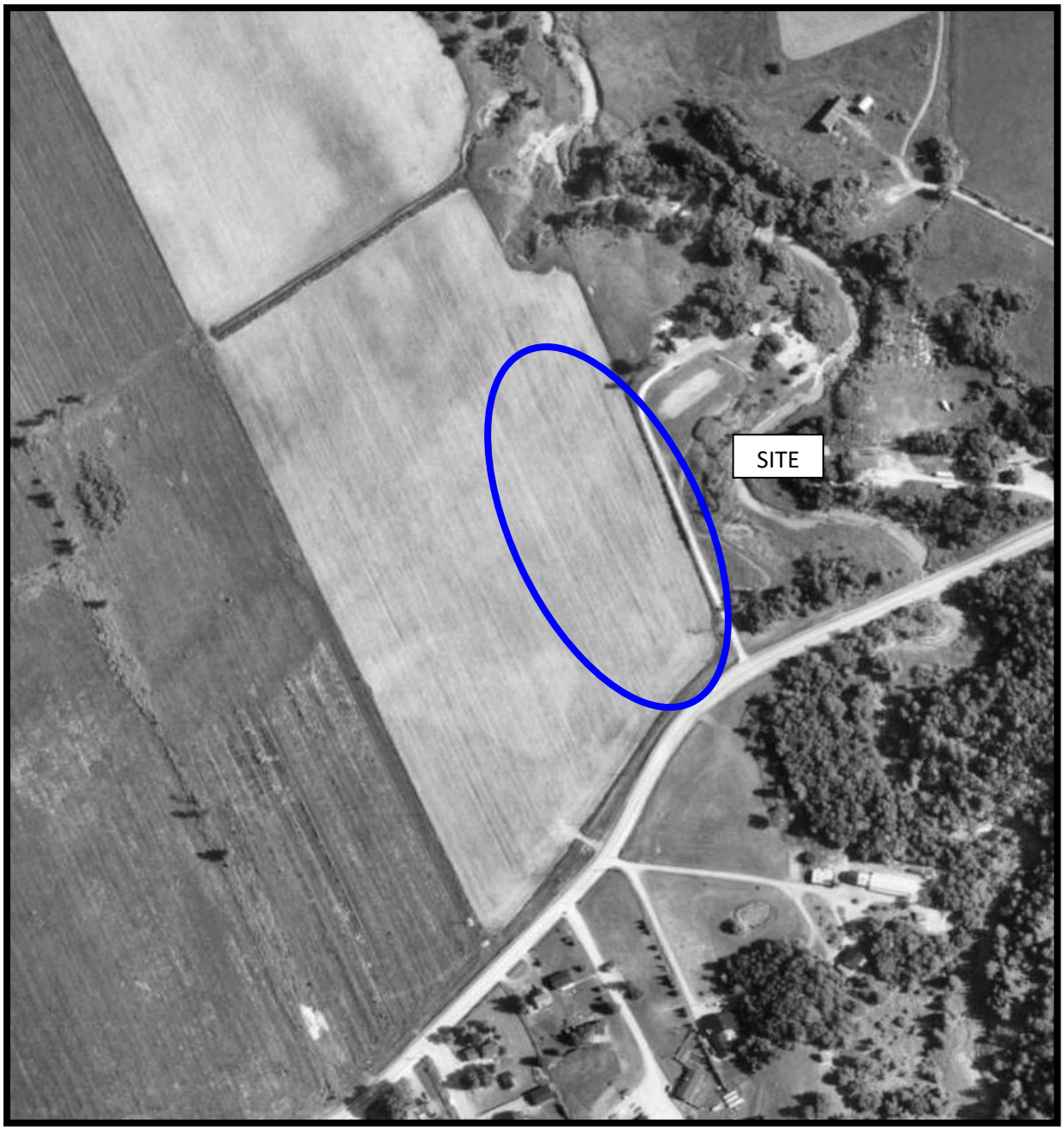
AERIAL PHOTOGRAPH
1949



AERIAL PHOTOGRAPH
1960



AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1991

AERIAL PHOTOGRAPH
2002

AERIAL PHOTOGRAPH
2011

AERIAL PHOTOGRAPH
2019

Photograph 1: View of the central portion of the Phase I Property, facing east from Dairy Drive.

Photograph 2: View of the snow-covered crushed stone and gravel piles, located in the southwestern corner of the Phase I Property, facing south from Dairy Drive.

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

Photograph 4: View of the northern portion of the subject site, facing south from Dairy Drive.

APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI RESPONSE

ERIS DATABASE REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

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

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

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

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

Ontario

September 12, 2022

Nick Sullivan
Paterson Group Inc.
154 Colonnade Road
Ottawa, Ontario K2E 7J5
nsullivan@patersongroup.ca

Dear Nick Sullivan:

RE: **MECP FOI A-2022-00968, Your Reference PE5609 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 1045 Dairy Drive, Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch Sector Enforcement Branch (formerly Environmental Investigations and Enforcement Branch and Sector Compliance Branch) and Safe Drinking Water Branch, no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Brandy Booker at Brandy.Booker@ontario.ca

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn
Manager (A), Access and Privacy Office

UTM 1 8 Z 4 6 3 2 6 0 E

OTTAWA FRONT

5 R 5 0 3 7 5 1 0 N

Con

Elev. 17 R 0 2 2 5

Basin 2 5

No 765

1513132

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Russel O.F. Con I Lot 28 Township, Village, Town or City Cumberland Ont

314/6e

~~Con. 1 at Con. From The~~ Lot 28 (LOF) Date completed Aug 17 / 61 (day month year)

[redacted] dress Cumberland Ont

Casing and Screen Record

Inside diameter of casing	2"
Total length of casing	75'
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	2"

Pumping Test

Static level	40'
Test-pumping rate	~~XX~~ 12 G.P.M.
Pumping level	60'
Duration of test pumping	2 Hrs
Water clear or cloudy at end of test	Clear
Recommended pumping rate	12 G.P.M.
with pump setting of	60' feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Blue Clay	0	70'		
Gravel Sand	70'	73'		
Grey Limeston	73'	87'	87'	Fresh

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

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

Drilling or Boring Firm G. CHARBONNEAU

Address DIAMOND DRILLER ARTESIAN WELLS MODERN HOME BUILDERS ORLEANS, ONT. R.R. 1 Navan 9R-25

Licence Number 224

Name of Driller or Borer G C

Address

Date Aug 17/61

Gerard Charbonneau

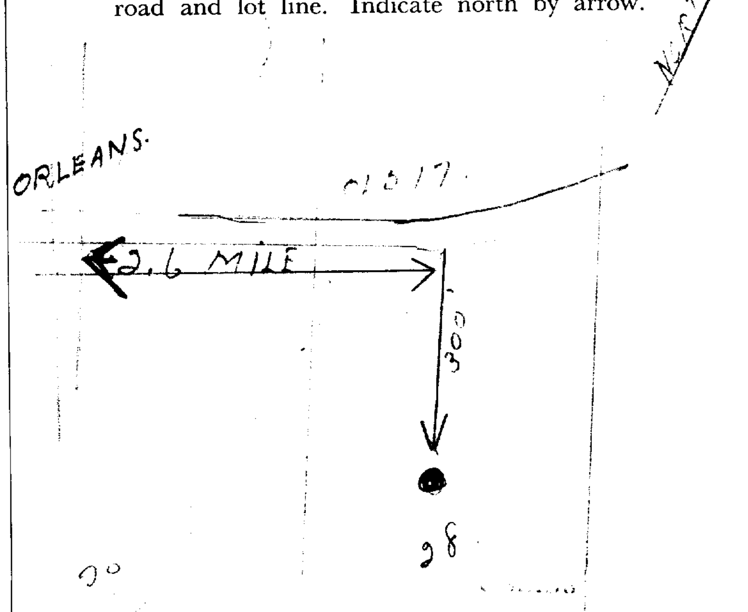
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



UTM 1 8 Z 4 6 3 2 4 0 E

5 R 5 0 3 7 6 0 0 N

Elev. 7 R 0 2 0 9

Basin 2 5

Con 7 Lot 28

1513133

3 9

GROUND WATER BRANCH 56 No. 332 FEB 21 1964 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

O.F. Con I Lot 28 31 G/6e

County or District Russell Township, Village, Town or City Cumberland

Con. 1 ~~Ottawa Front River~~ Lot 28 Date completed 28 November 1963. (day month year)

[redacted] ...dress R. R. # 1, Cumberland, Ont.

Casing and Screen Record		Pumping Test	
Inside diameter of casing	2"	Static level	15'
Total length of casing	30'	Test-pumping rate	8 G.P.M.
Type of screen		Pumping level	20'
Length of screen		Duration of test pumping	2 hrs.
Depth to top of screen		Water clear or cloudy at end of test	clear
Diameter of finished hole	2"	Recommended pumping rate	5 G.P.M.
		with pump setting of	20' feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	28	38'	fresh
grey limestone	28	38		

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

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

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, Orleans, Ont.

Date 28 November 1963.

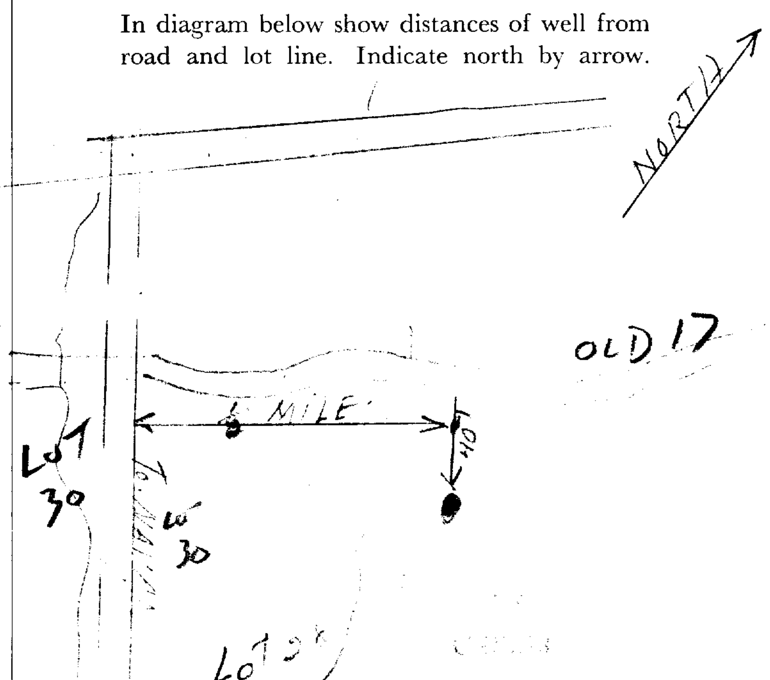
Gerard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

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 | 4 7 6 3 7 2 1 6 1 0 E

19 R | 5 0 3 7 6 9 1 0 N

Elev. 19 R | 2 7 2 1 1 5

Basin 2 5

1513135

WATER RESOURCES DIVISION
MAY 17 1965
ONTARIO WATER RESOURCES COMMISSION

36 No. 762

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District ~~Russell~~ O.F. Con I Lot 28 — Township, Village, Town or City Twp. of Cumberland 31G/6e

Con. ~~1st Con. from Ottawa River~~ 1.OF Lot ~~27~~ 28 — Date completed March 24, 1965 (day month year)

[redacted] Address RR #1, Cumberland, Ont.

Casing and Screen Record		Pumping Test	
Inside diameter of casing	6¼	Static level	30'
Total length of casing	26'	Test-pumping rate	14 G.P.M.
Type of screen		Pumping level	60'
Length of screen		Duration of test pumping	3 hrs.
Depth to top of screen		Water clear or cloudy at end of test	Clear
Diameter of finished hole	6"	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	Kind of water (fresh, salty, sulphur)
Broken rock and clay	0	8		
Grey Limestone	8	180		
White sand stone	180	183	183	Fresh

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

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 March 24, 1965

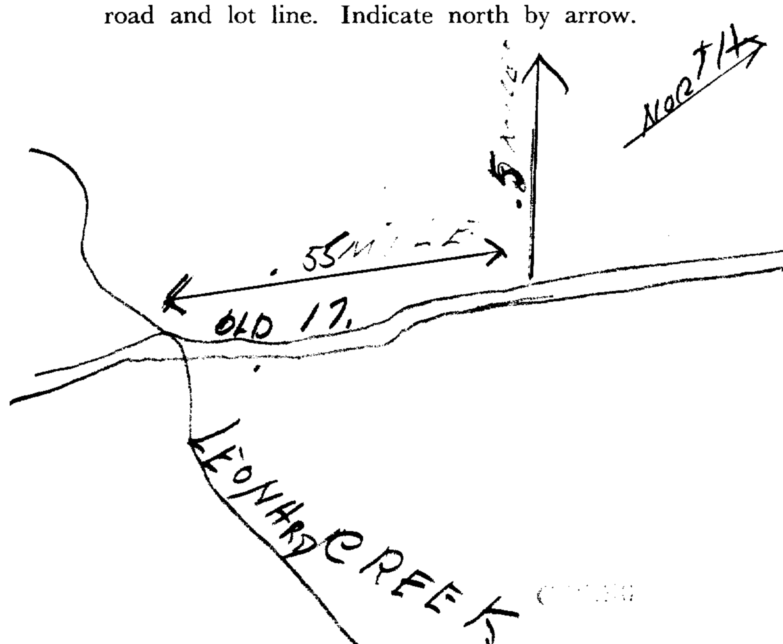
(Signature of Licensed Drilling or Boring Contractor)

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 1 8 Z 4 6 3 2 6 0 E

Ottawa Front

15 R 5 0 3 7 6 2 0 N

Con 1

Elev. 4 R 0 2 1 5

Lot 28

Basin 2 5

The Ontario Water Resources Commission Act

WATER WELL RECORD

1513136

WATER RESOURCES DIVISION
56 No 76
JAN 19 1965
ONTARIO WATER RESOURCES COMMISSION

314/6e

County or District ~~Russell~~ O.F. Con I Lot 28 Township, Village, Town or City Cumberland

Con. ~~1st, from Ottawa R.~~ I O.F. Lot 28 Date completed 20 September 1964. (day month year)

[redacted]ress Cumberland, Ont.

Casing and Screen Record		Pumping Test	
Inside diameter of casing	2"	Static level	25
Total length of casing	50'	Test-pumping rate	8 G.P.M.
Type of screen		Pumping level	40'
Length of screen		Duration of test pumping	2 hrs.
Depth to top of screen		Water clear or cloudy at end of test	clear
Diameter of finished hole	2"	Recommended pumping rate	8 G.P.M.
		with pump setting of	40 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	~~55~~ 45		
grey limestone	45	59	59	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 G.Charbonneau

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

Date 20 September, 1964.

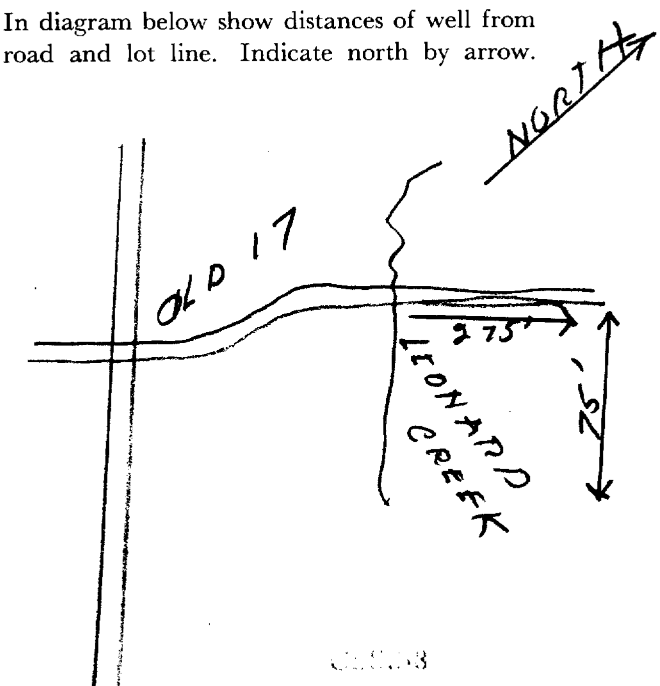
Gérard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

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.



1513137

WATER RESOURCES DIVISION
56 No. 767
MAY 17 1965
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Russell | Township, Village, Town or City Twp. of Cumberland

Con. ~~1st con. from Ottawa River~~ I OF | Lot ~~XX~~ 28 | Date completed March 12, 1965 (day month year)

Address RR #1, Cumberland, Ont.

Casing and Screen Record

Inside diameter of casing 2"

Total length of casing 38'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 2"

Pumping Test

Static level ~~XXX~~ 20'

Test-pumping rate 7 G.P.M.

Pumping level 25

Duration of test pumping 3 hrs.

Water clear or cloudy at end of test Water 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)
Blue clay	0	30		
Coarse gravel	30	38	38	Fresh

TM 1 8 Z 4 6 3 2 0 0

5 R 5 0 3 7 6 2 0

Elev. 6 R 0 2 0 0

Basin 2 5

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 G. Charbonneau

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

Date March 12, 1965

Gerard Charbonneau

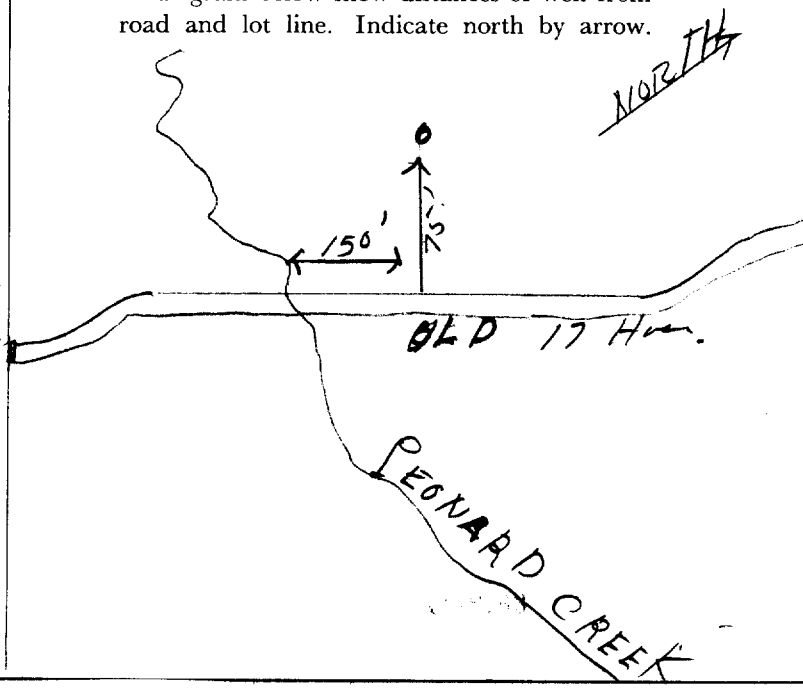
(Signature of Licensed Drilling or Boring Contractor)

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.



The Ontario Water Resources Commission Act

WATER WELL RECORD

316/6e
1513138

Water management in Ontario

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

11

5601261 ~~151072~~

MUNICIP. 56003 CON. ~~4~~ OF C 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
Carleton Russell	Cumberlnd	~~1st, from Ottawa~~ R. OF I	028

[redacted] R. R. 1, Cumberland, Ont.

DATE COMPLETED 48-53: DAY 14 MO. 08 YR. 69

[redacted] 03757 0 | RC. 4 | ELEVATION 0175 | RC. 6 | BASIN CODE 25

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	60
grey	limestone			60	68

31 | 0060 3 a5t | 0068 2 15t

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0068	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
02	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	STD	0	0062
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0068
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

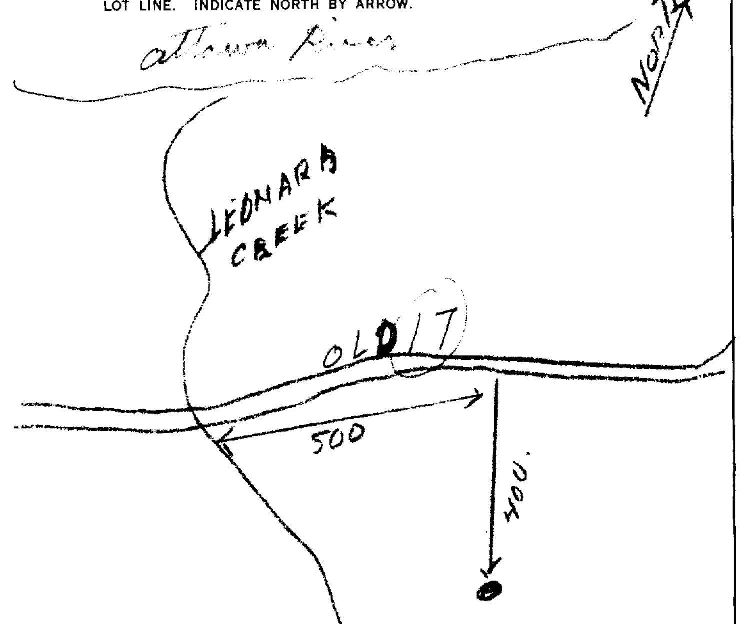
DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE	0008 GPM.
DURATION OF PUMPING	02 HOURS 00 MINS.
STATIC LEVEL	032 FEET
WATER LEVEL END OF PUMPING	050 ~~032~~ FEET
WATER LEVELS DURING	1 ☒ PUMPING 2 ☐ RECOVERY
15 MINUTES	050 FEET
30 MINUTES	050 FEET
45 MINUTES	050 FEET
60 MINUTES	050 FEET
IF FLOWING, GIVE RATE	GPM.
PUMP INTAKE SET AT	FEET
WATER AT END OF TEST	1 ☐ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING	060 FEET
RECOMMENDED PUMPING RATE	0006 GPM.
SPECIFIC CAPACITY	000.4 GPM./FT.

LOCATION OF WELL

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



DRILLERS REMARKS:

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

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
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, LICENCE NUMBER: 3395
ADDRESS: R. R. 1, Box 194, Orleans, Ont.
NAME OF DRILLER OR BORER: G. Charbonneau
SIGNATURE OF CONTRACTOR: Gerard Charbonneau
SUBMISSION DATE: DAY 14 MO. 8 YR. 69

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1504 | DATE RECEIVED 300770
DATE OF INSPECTION | INSPECTOR
REMARKS:

OWRC COPY

UTM 1 8 Z 4 6 3 0 8 0 E

19 R 5 0 3 7 5 6 0 N

Elev. 19 R 0 3 0 0

Basin 42 15 6

O.F. Con I Lot 29

1513139

56 No 764

ONTARIO

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

316/6e

County or Territorial District Russell Township, Village, Town or City Cumberland

[redacted] Village, Town or City)

[redacted] ddress Cumberland RR N1.

[redacted] (day) (month) (year)

Pipe and Casing Record	
Casing diameter(s)	2"
Length(s)	60
Type of screen	NONE
Length of screen	

Pumping Test	
Static level	10 feet
Pumping rate	400 gal. hour
Pumping level	25 feet
Duration of test	4 hour

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Blue clay	0	60			
Grey limestone	60	70	70	60	fresh

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

Is water clear or cloudy? clear

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

Drilling firm Charbonneau

Address Orleans Ont

Name of Driller Gerard Charbonneau

Address Orleans Ont

Licence Number 765

I certify that the foregoing statements of fact are true.

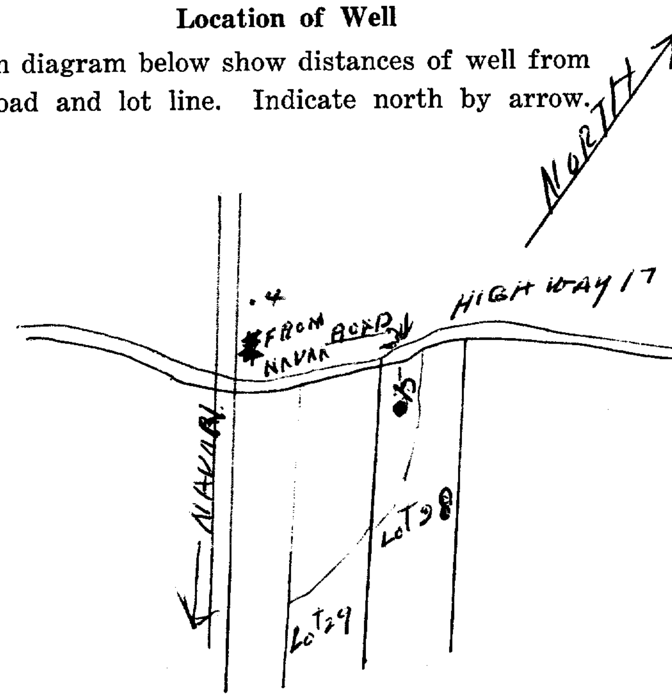
Date

Gerard Charbonneau

Signature of Licensee

Location of Well

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



CSS.53

Form 5

UTM 18 Z 4 6 2 9 6 0 E

5 R 5 0 3 7 3 2 0 N

OTTAWA FRONT LOT 29

Elev. 6 R 0 2 2 5

Basin 2 5

O.F. Con I Lot 29

RECEIVED 56 No. FEB 1 1950 GEOLOGICAL BRANCH DEPARTMENT OF MINES

768

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

1513140

3 9

County or District RUSSELL Tp. Cumberland Con. [redacted] Lot 29 Pt. Lot

Owner [redacted] Address Cumberland Acres

Date Completed Aug 15/49 Cost of Well (not including pump) $196.50

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	4 inch	Date	Aug 15/49
Length(s) of casing(s)	65 ft.	Developed Capacity	
Length of screen		Duration of Test	1/2 hr
Type of screen		Pumping Rate	20 g.p.m.
Type of pump		Drawdown	
Capacity of pump		Static level of completed well	10'
Depth of pump setting		Is well a gravel-wall type?	

Water Record

Kind (fresh or mineral) fresh

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

Appearance (clear, cloudy, coloured) clear

For what purpose(s) is the water to be used? Household & Stock

How far is well from possible source of contamination? 50 ft.

What is source of contamination? Barnyard

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

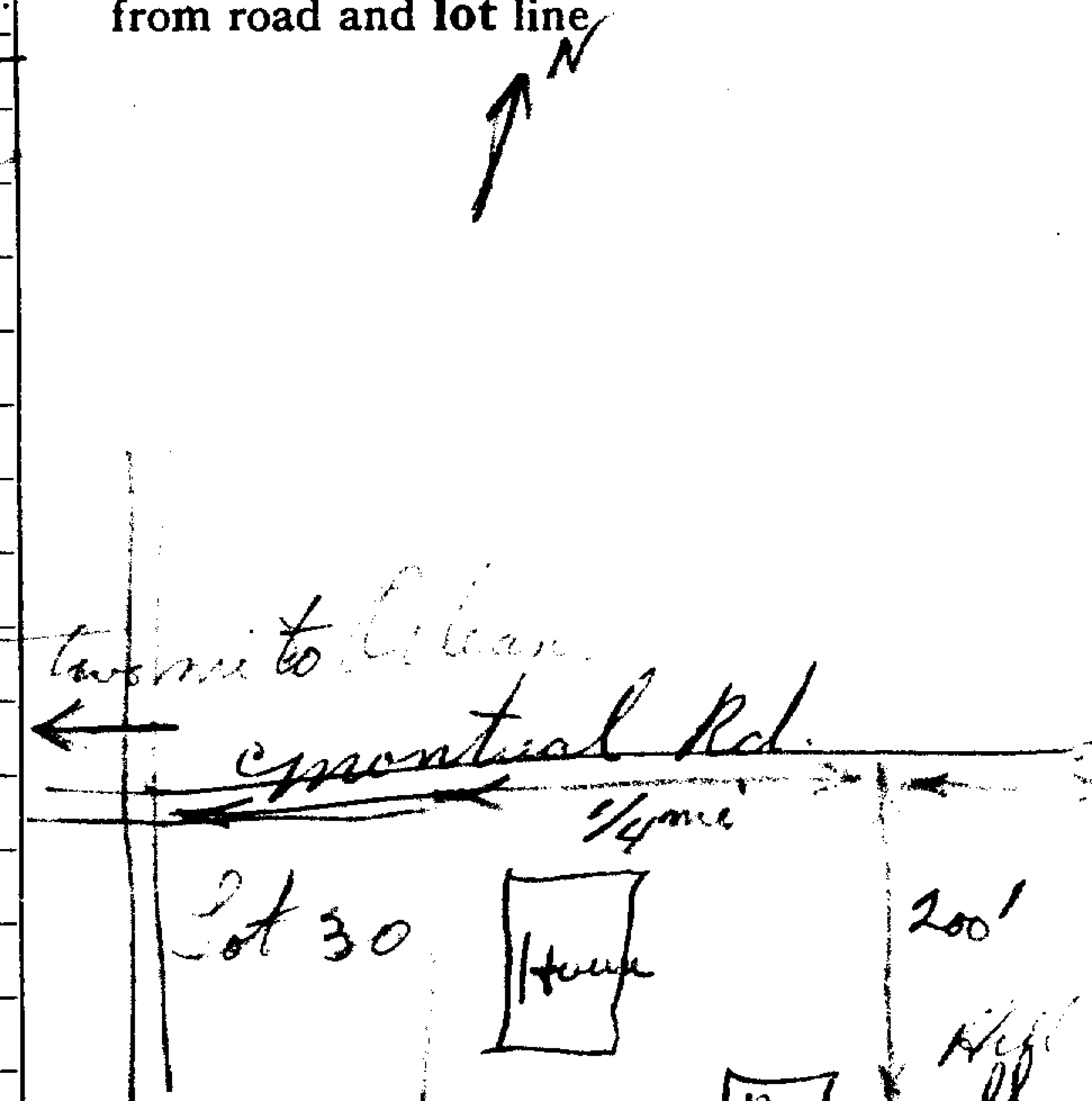
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
~~10 ft~~ 68	soft	58 ft.

Well Log

Drift and Bedrock Record	From	To
	0 ft.	ft.
Boulders & Stone mixed with quicksand	0	65
3 ft of rock limestone	65	68

Location of Well

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



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

Drilling Firm John W. Adams

Address Ramsayville Ont

Recorded by John W. Adams Address Ramsayville

Date Licence Number 389

UTM 1 8 Z 4 6 3 0 9 0 E

5 R 5 0 3 7 5 4 0 N

Elev. ~~0 1 7 0 4 0 8~~

Basin 2 5

Lot 29

O.F. Con I Rd 29

The Ontario Water Resources Commission Act, 1957

56 No 742

GROUND WATER BRANCH
JAN 19 1961
ONTARIO WATER
RESOURCES COMMISSION

WATER WELL RECORD

1513143

316/6e

County or District Russel   Township, Village, Town or City Cumberland

[redacted] completed Oct 11/60 (day month year)

[redacted] ress Orleans Ont

Casing and Screen Record		Pumping Test	
Inside diameter of casing	2"	Static level	21'
Total length of casing	~~???~~' 60'	Test-pumping rate	9 G.P.M.
Type of screen		Pumping level	40'
Length of screen		Duration of test pumping	2 Hrs
Depth to top of screen		Water clear or cloudy at end of test	Clear
Diameter of finished hole	2"	Recommended pumping rate	9 G.P.M.
		~~with pumping level of~~ Set	40'

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Blue Clay	0'	48'			
Bolders	48'	58'			
Grey Limestone	58'	70'	70'	49'	Fresh

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

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

Drilling Firm

Address

Licence Number 454

Name of Driller G Charbonneau

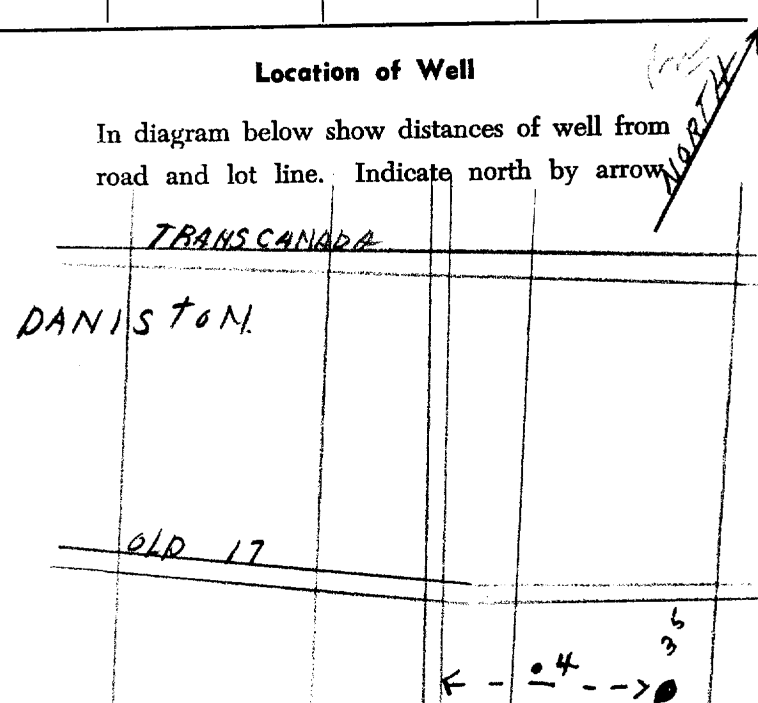
Address Orleans

Date Oct 11/ 60

Gérard Charbonneau
(Signature of Licensed Drilling Contractor)

Location of Well

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



31 CSS 38 59

Form 5
15M-58-4149

UTM | 18 | Z | 4 6 3 0 5 0 | E
| 5 | R | 5 0 3 7 5 1 0 | N
Elev. | 6 | R | 0 2 0 9
Basin | 2 5 |

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

56 No 778
GROUND WATER BRANCH
JAN 19 1961
ONTARIO WATER RESOURCES COMMISSION
1513144

Lot 29
O.F. Con I Lot 29
314/16e

County or District XXXXXX Russel Township, Village, Town or City Cumberland

[redacted] Pt North ½ Lot 29 Date completed 16 (day) Oct (month) 60 (year)

ress Orleans

Casing and Screen Record

Inside diameter of casing 2"
Total length of casing XXX 72'
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole 2"

Pumping Test

Static level 21'
Test-pumping rate 9 G.P.M.
Pumping level 40'
Duration of test pumping 3Hrs
Water clear or cloudy at end of test Clear
Recommended pumping rate 9 G.P.M.
with XXXXXXXXXXXXXX Pump Set 45'

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	0'	60'			
Bolders	60'	65'			
Sand	65'	70'			
Grey Limestone	70'	75'	75'	54'	Fresh

Water Record

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

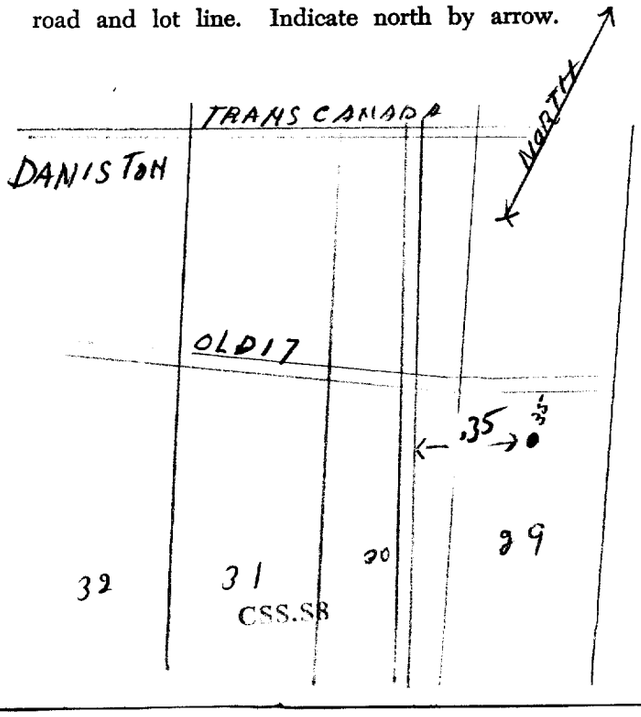
Is well on upland, in valley, or on hillside? Up

Drilling Firm G. CHARBONNEAU
DIAMOND DRILLER ARTESIAN WELLS
MODERN HOME BUILDERS
Address ORLEANS, ONT.
R.R. 1 Navan 3R-28

Licence Number 454
Name of Driller G Charbonneau
Address Orleans
Date Oct 16/60
Gerard Charbonneau
(Signature of Licensed Drilling Contractor)

Location of Well

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



Form 5
15M-58-4149

UTM 1 8 Z 4 6 2 9 8 5 E

05 R 5 0 3 7 3 3 0 N

Elev. 7 R 0 2 2 5

Basin 2 5

1513145

The Ontario Water Resources Commission Act

C

WATER WELL RECORD

County or District ~~RUSSELL~~ O.F Con I Lot 29 316/6e Township, Village, Town or City CUMBERLAND

Con ~~1st FROM OTT. RIVER~~ Lot ~~29~~ PART OF LOT 29 Date completed 3 (day) AUGUST (month) 1962 (year)

[redacted] Address 369 LAFONTAINE - EASTVIEW.

Casing and Screen Record

Inside diameter of casing 95' x 4" + 13' x 2" + 18' x 1½"

Total length of casing 127'

Type of screen X

Length of screen X

Depth to top of screen X

Diameter of finished hole 1 7/8"

Pumping Test

Static level 60 FT.

Test-pumping rate 6 G.P.M.

Pumping level 70 FT.

Duration of test pumping 3 HOURS

Water clear or cloudy at end of test CLOUDY.

Recommended pumping rate 6 G.P.M.

with pump setting of 70 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
BROWN - CLAY	0'	90'	129'	FRESH
SAND.	90'	98'		
BOLDERS and SAND.	98'	124'		
LIME - STONE	124'	129'		

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

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

Drilling or Boring Firm WILFRID - COSSETTE
259 A - SHAKESPEARE - ST.

Address EASTVIEW. ONT.

Licence Number 612

Name of Driller or Borer SAME.

Address SAME

Date AUGUST 3/62

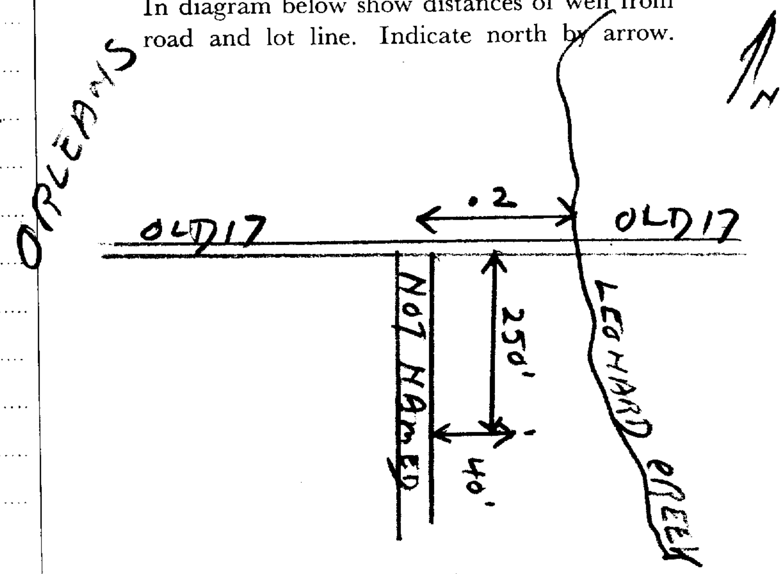
Wilfrid Cossette
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



LOCAL LOT 12

UTM | 1 8 | Z | 4 6 3 0 2 0 | E

| 1 9 | R | 5 0 3 7 2 8 0 | N

Con I

Elev. | 9 | R | 0 2 5 0 |

Lot 29

Basin | 2 5 |

1513146

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
56 No.
DEC 3 1963
ONTARIO WATER RESOURCES COMMISSION

333

County or District Russell OF Con I Lot 29 Township, Village, Town or City Cumberland 31G/6e

OF I

Con... from ... Lot 29 Date completed June 24, 1963 (day month year)

[redacted]...ess 145 Carillon, Eastview, Ont.

Casing and Screen Record	
Inside diameter of casing	5-5/8
Total length of casing	110'
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	5-5/8

Pumping Test	
Static level	65'
Test-pumping rate	12 G.P.M.
Pumping level	80'
Duration of test pumping	2 hrs.
Water clear or cloudy at end of test	clear
Recommended pumping rate	5 G.P.M.
with pump setting of	80 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	90		
sand & bolders	90	105		
grey limestone	105	128	128	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 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 June 24, 1963

Gerard Charbonneau

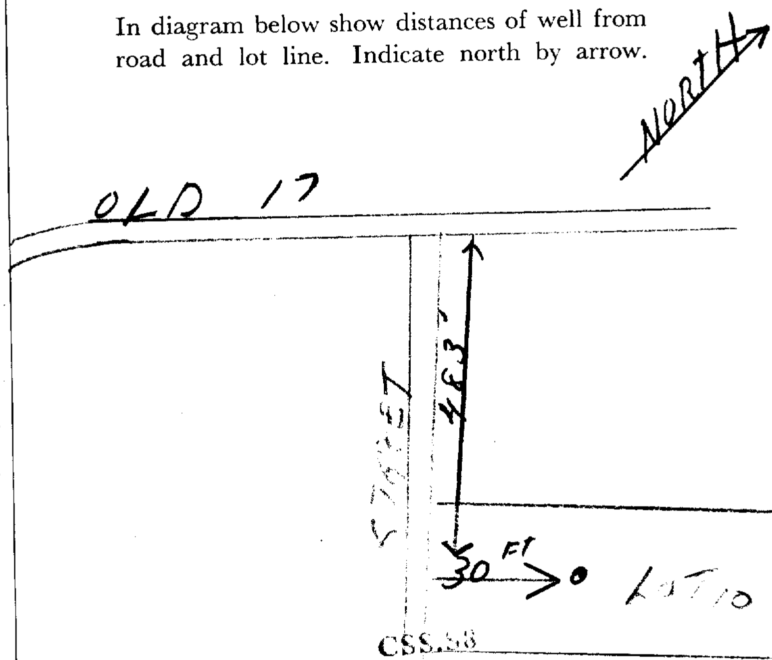
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

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



CSS.58

UTM |1|8| Z |4|6|2|9|8|0| E |4513147| GROUND WATER BRANCH 56 № DEC 3 1963 ONTARIO WATER RESOURCES COMMISSION   334

Cd 92 R |5|0|3|7|3|0|0| N

Elev 20 R |2|3|5|

Basin |2|5|

The Ontario Water Resources Commission Act

WATER WELL RECORD

316/6e

County or District Russell   O.F. Con I Lot 29   Township, Village, Town or City Cumberland

OF-I

Con [redacted]   Lot part lot 29   Date completed 28 (day) August (month) 1963 (year)

[redacted]ress R.R.# 1, Cumberland, Ont.

Casing and Screen Record

Inside diameter of casing 5 5/8

Total length of casing 85'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5 5/8

Pumping Test

Static level ~~60'~~ 45'

Test-pumping rate 18 G.P.M.

Pumping level 65'

Duration of test pumping 3 hrs.

Water clear or cloudy at end of test clear

Recommended pumping rate 18 G.P.M.

with pump setting of 65 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	80	98	fresh
grey limestone	80	98		

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 28 August, 1963

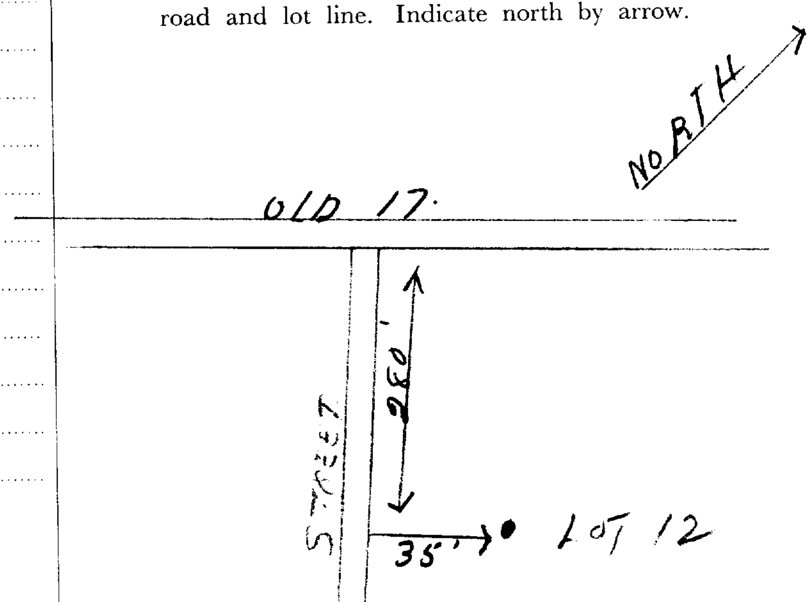
Gérard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

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.



CSS.S3

UTM 1|18z| 14|6|2|9|6|1|0| E
1|9| R 5|0|1|3|7|3|1|1|0| N

Elev. 1|9| R 0|2|2|9|

Basin 2|5|

1513148

56 No. ~~335~~

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District ~~Russell~~ O.F. Con I Lot 29 Township, Village, Town or City Cumberland 31G/6e

Con ~~1st from Ottawa R.~~ O.F.I Lot ~~30~~ 29 Date completed 12 November 1966 (day month year)

[redacted]ess R.R. 1, Cumberland, Ont.

Casing and Screen Record

Inside diameter of casing 5"

Total length of casing 92'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5"

Pumping Test

Static level 35

Test-pumping rate 12 G.P.M.

Pumping level 65'

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 75 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	85		
grey limestone	85	100	100	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 R.R. 1. Box 194, Orleans, Ont.

Licence Number 2156

Name of Driller or Borer G.Charbonneau

Address Orleans, Ont.

Date 12 November, 1966.

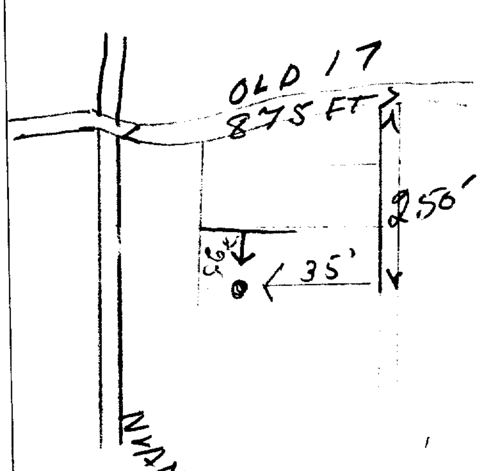
Gerard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

O W R C COPY

Location of Well

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



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5601161
3/6/6W

~~5601161~~
~~1511017~~
1513151

The Ontario Water Resources Commission Act

WATER WELL RECORD

~~Nepean~~ Nepean, Region Ottawa Carleton

County or District Carleton ~~Russell~~ Township, Village, Town or City ~~CUMBERLAND~~ RUSSELL X PRESCOTT

Con. 1st ~~FROM OTTAWA RIVER~~ Lot PT 29 Date completed 15 (day) June (month) 1969 (year)

[redacted] ress ORLEANS ONT

Casing and Screen Record

Inside diameter of casing 3

Total length of casing 126

Type of screen —

Length of screen —

Depth to top of screen —

Diameter of finished hole 2

DIVISION OF WATER RESOURCES
AUG 25 1969
ONTARIO WATER RESOURCES COMMISSION

Pumping Test

Static level 66

Test-pumping rate 6 G.P.M.

Pumping level 75

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 75 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)
Clay	0	105	128	Fresh
Boulders & Sand	105	123		
Limestone	123	130		

TM 1 8 2 4 6 3 0 2 0 E

4 R 5 0 3 7 2 2 0 N

~~ev.~~ 6 R 0 2 2 5

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

asin 2 5 X X

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

Drilling or Boring Firm F. R. COSSETTE

Address 1510 BASELINE Rd OTTAWA 5

Licence Number 3182

Name of Driller or Borer Same

Address

Date June 15 - 1969

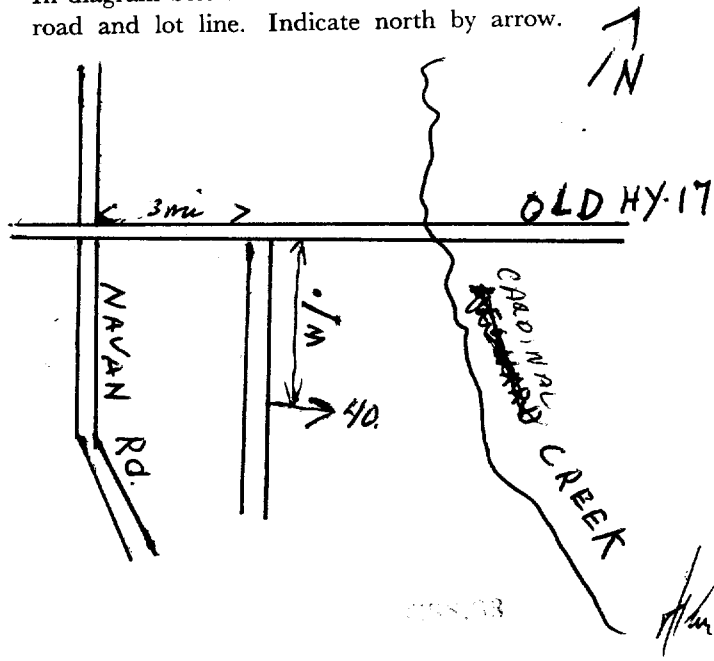
F R Cossette
(Signature of Licensed Drilling or Boring Contractor)

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.



MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

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

11 — 1516405 — MUNICIP. 15011 — CON. OF — 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Cumberland	M-13 OF 1	029 / 29

[redacted] umberland, Ont.(Cumberland Estate — DATE COMPLETED: DAY 08 MO 08 YR 77

THING 037399 — RC 4 — ELEVATION 0250 — 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	sand			0	7
grey	clay			7	18
grey	slate			18	50

31 — 0007528 — 0018205 — 0050219

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0050	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
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0022
	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	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER — air	0015 GPM	01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☒ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
012 FEET	030 FEET		012 FEET	012 FEET	012 FEET	012 FEET

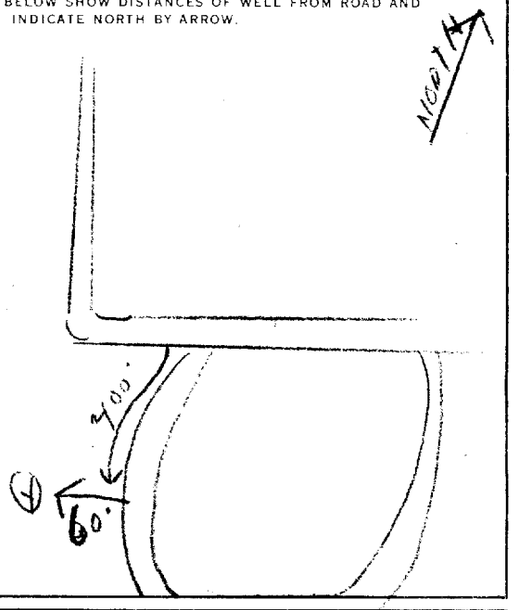
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	30 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	030 FEET	0010 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: G Charbonneau — SUBMISSION DATE: DAY 8 MO. 8 YR. 77

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 1504 — DATE RECEIVED 100278

DATE OF INSPECTION MAY 8/78 — INSPECTOR DN

REMARKS: P WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

316 GW Hd 6e

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

(11) 1516407 MUNICIP 1501 CON OF LOT 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton [illegible]	Cumberland	10S	028

[redacted] mberland, Ontario

DATE COMPLETED DAY 29 MO 08 YR 77

KING 37699 RC 4 ELEVATION 0250 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	11
blue	clay			11	40
grey	gravel			40	42
grey	slate			42	46
black	slate			46	48
grey	slate			48	50

MOE VF-18

(31) 0011505 0040305 0042211 0046219 0048819 0050219

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0050	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 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0043
	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: 0007 GPM — DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
003 FEET	030 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	003 FEET	003 FEET	003 FEET	003 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 30 FEET

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

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP

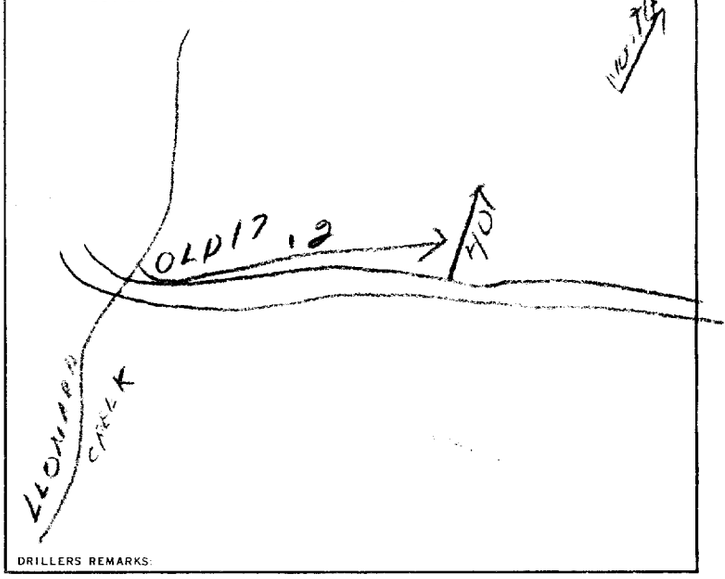
RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 0004 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 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; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 57: 4 — 1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☒ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

LICENCE NUMBER: 1504

[illegible] + Son Drilling Ltd.

[illegible]4, Orléans, Ont. K1C 1T1

LICENCE NUMBER

SUBMISSION DATE: DAY 29 MO 8 YR 77

ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE 58: 1 — CONTRACTOR 59-62: 1504 — DATE RECEIVED 63-68: 100278

DATE OF INSPECTION — INSPECTOR

REMARKS: P WI

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

31G 6W
6e

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

(11) 1516909 MUNICIP. 15011 CON. 0F 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa-Carleton	Cumberland	10S O.F.I	028 / 30

[redacted] Cumberland, Ont.

DATE COMPLETED: DAY 19 MO. 05 YR. 78

NORTHING 5037599 RC. 4 ELEVATION 0270 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	TO
yellow	clay			0	28
blue	clay			28	49
grey g	gravel			49	59
grey	slate			59	63

(31) 0028505 | 0049305 | 0059211 | 0063219

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0063	☒ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
06 / 6¼	☒ STEEL	188	0	0060

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET | MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

(71) PUMPING TEST

PUMPING TEST METHOD: air — ☒ PUMP ☐ BAILER

PUMPING RATE: 0020 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
050 FEET	055 FEET	050 FEET	050 FEET	050 FEET	050 FEET

WATER LEVELS DURING: ☐ PUMPING ☒ RECOVERY

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 58 FEET

WATER AT END OF TEST: ☒ CLEAR ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

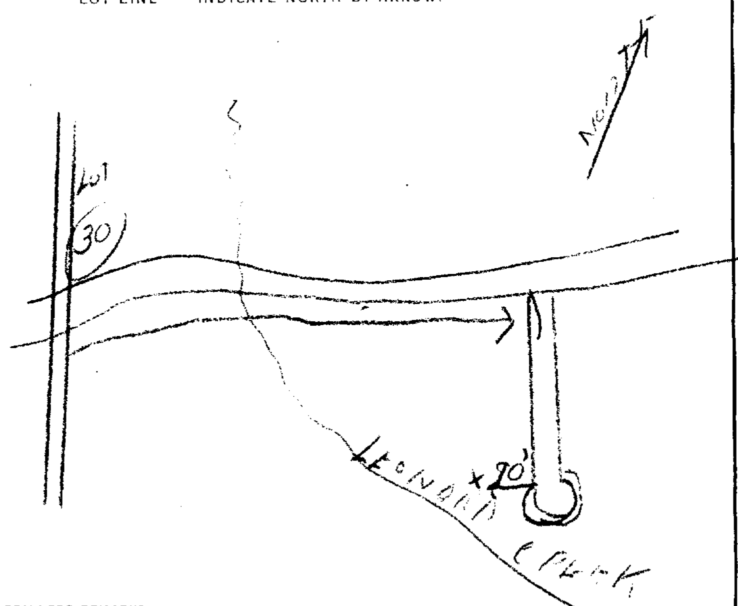
RECOMMENDED PUMP SETTING: 058 FEET

RECOMMENDED PUMPING RATE: 0020 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

☒ WATER SUPPLY ☐ OBSERVATION WELL ☐ TEST HOLE ☐ RECHARGE WELL ☐ ABANDONED, INSUFFICIENT SUPPLY ☐ ABANDONED, POOR QUALITY ☐ UNFINISHED

WATER USE: 01

☒ DOMESTIC ☐ STOCK ☐ IRRIGATION ☐ INDUSTRIAL ☐ OTHER ☐ COMMERCIAL ☐ MUNICIPAL ☐ PUBLIC SUPPLY ☐ COOLING OR AIR CONDITIONING ☐ NOT USED

METHOD OF DRILLING: 4

☐ CABLE TOOL ☐ ROTARY (CONVENTIONAL) ☐ ROTARY (REVERSE) ☒ ROTARY (AIR) ☐ AIR PERCUSSION ☐ BORING ☐ DIAMOND ☐ JETTING ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd. — LICENCE NUMBER 1504

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

NAME OF DRILLER OR BORER: Léo Bourgeois — LICENCE NUMBER

SIGNATURE OF CONTRACTOR: G. Charbonneau

SUBMISSION DATE: DAY 19 MO. 05 YR. 78

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1504 | DATE RECEIVED: 280279

DATE OF INSPECTION | INSPECTOR

REMARKS: | P | WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

316

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 | 1517346 | MUNICIP. 15011 | CON. 0 | 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	BERLAND	CON # 1 OLD SAUAR	028
	CUMBERLAND	DATE COMPLETED DAY 27 MO 08 YR. 80	

[redacted] 027777 | RC. 5 | ELEVATION 0245 | RC. 5 | BASIN CODE 26 | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
	DUG			0	7
GREY	CLAY			7	40
BLUE	CLAY			40	58
BROWN	HARDPAN			58	63
BLACK	GRAVEL			63	66
GREY	LIMESTONE			66	70

31 | 0007 23 | 0040205 | 0058305 | 0063614 | 0066811 | 0070215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0068	1 ☑ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 6¼	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1.88	0	0066
	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

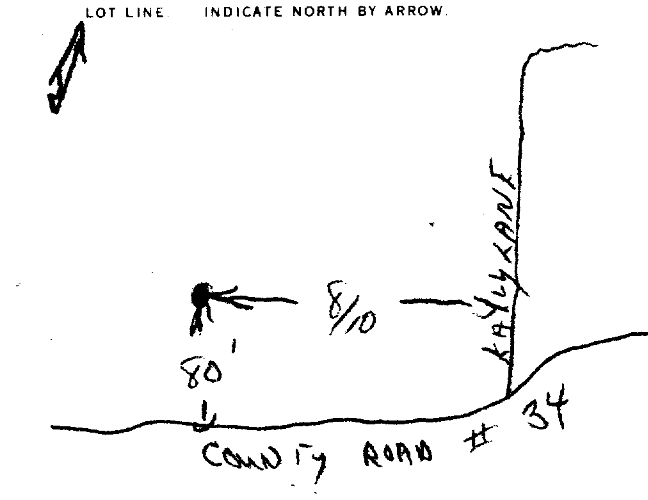
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	1 ☐ PUMP 2 ☑ BAILER
PUMPING RATE	0010 GPM
DURATION OF PUMPING	01 HOURS 30 MINS
STATIC LEVEL	040 FEET
WATER LEVEL END OF PUMPING	055 FEET
WATER LEVELS DURING	1 ☒ PUMPING 2 ☐ RECOVERY
15 MINUTES	047 FEET
30 MINUTES	055 FEET
45 MINUTES	055 FEET
60 MINUTES	055 FEET
IF FLOWING, GIVE RATE	GPM
PUMP INTAKE SET AT	70 FEET
WATER AT END OF TEST	1 ☐ CLEAR 2 ☑ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING	056 FEET
RECOMMENDED PUMPING RATE	0005 GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL 1

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 1

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

CONTRACTOR

NAME OF WELL CONTRACTOR	MAURICE CAYER LTD
LICENCE NUMBER	1517
ADDRESS	CASSELMAN ONT.
NAME OF DRILLER OR BORER	
LICENCE NUMBER	
SIGNATURE OF CONTRACTOR	Maurice Cayer
SUBMISSION DATE	DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE	1
CONTRACTOR	1517
DATE RECEIVED	020980
DATE OF INSPECTION	
INSPECTOR	K
REMARKS	CSS.ES

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FORM NO. 0506—4—77 FORM 7

Ministry of the Environment

Ontario

The Ontario Water Resources Act

316 GW 6e

WATER WELL RECORD

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(11) 1518165

MUNICIP. 15011 CON. OF 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
~~Prescott-Russell~~ OTT CARLETON	Cumberland	Con. 1 O.F1	28 (028)

[redacted] R.R. 1 Cumberland, Ont.

DATE COMPLETED: DAY 12 MO 04 YR 82

NG 37599 | RC 4 | ELEVATION 0270 | 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	40
blue	clay			40	74
brown slate				74	75
blue limestone				75	142

(31) 0040505 | 0074305 | 0075619 | 0142315

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0142	☒ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ (06)	☒ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	188	0	0077
06 (6¼)	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☒ OPEN HOLE		77	0142
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

(61) PLUGGING & SEALING RECORD

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

(71) PUMPING TEST

PUMPING TEST METHOD: ☒ PUMP ☐ BAILER air

PUMPING RATE: 0016 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
065 FEET	140 FEET	065 FEET	065 FEET	065 FEET	065 FEET

WATER LEVELS DURING: ☐ PUMPING ☒ RECOVERY

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 120 FEET

WATER AT END OF TEST: ☒ CLEAR ☐ CLOUDY

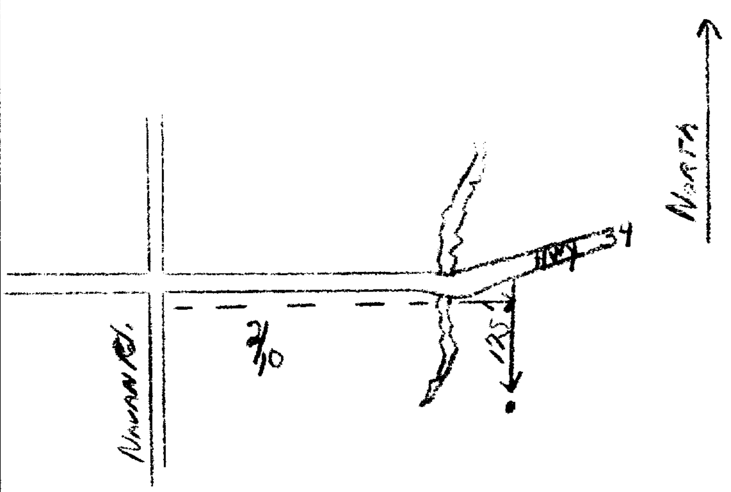
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 120 FEET

RECOMMENDED PUMPING RATE: 0016 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL 1

☒ WATER SUPPLY ☐ OBSERVATION WELL ☐ TEST HOLE ☐ RECHARGE WELL ☐ ABANDONED, INSUFFICIENT SUPPLY ☐ ABANDONED, POOR QUALITY ☐ UNFINISHED

WATER USE 01

☒ DOMESTIC ☐ STOCK ☐ IRRIGATION ☐ INDUSTRIAL ☐ OTHER ☐ COMMERCIAL ☐ MUNICIPAL ☐ PUBLIC SUPPLY ☐ COOLING OR AIR CONDITIONING ☐ NOT USED

METHOD OF DRILLING 4

☐ CABLE TOOL ☐ ROTARY (CONVENTIONAL) ☐ ROTARY (REVERSE) ☒ ROTARY (AIR) ☐ AIR PERCUSSION ☐ BORING ☐ DIAMOND ☐ JETTING ☐ 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: Raymond Charbonneau — LICENCE NUMBER

SIGNATURE OF CONTRACTOR: [signature]

SUBMISSION DATE: DAY 12 MO. 04 YR. 82

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1504 | DATE RECEIVED: 05 04 83

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

FORM NO. 0506-4-77 FORM 7

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Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

(11) 1518202 MUNICIP 15011 CON OF LOT 028 029

COUNTY OR DISTRICT: Ottawa-Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Cumberland
CON: 1 BLOCK, TRACT, SURVEY, ETC.: O.F.I
LOT: 028 029
ADDRESS OF WELL: [redacted] Lot 1, Cumberland, Ont.
DATE COMPLETED: DAY 03 MO 03 YR 83
WELL ID: 037599 RC 4 ELEVATION 0270 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
blue	clay			17	59
grey	gravel		fine gravel	59	61
grey	limestone			61	66

(31) 0017505 0059305 0061231 0066215
(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0066	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~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	+1	~~61'8"~~ 0062
06 ~~6~~	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE ☒ OPEN HOLE		61'8" ~~66'~~	0066
	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

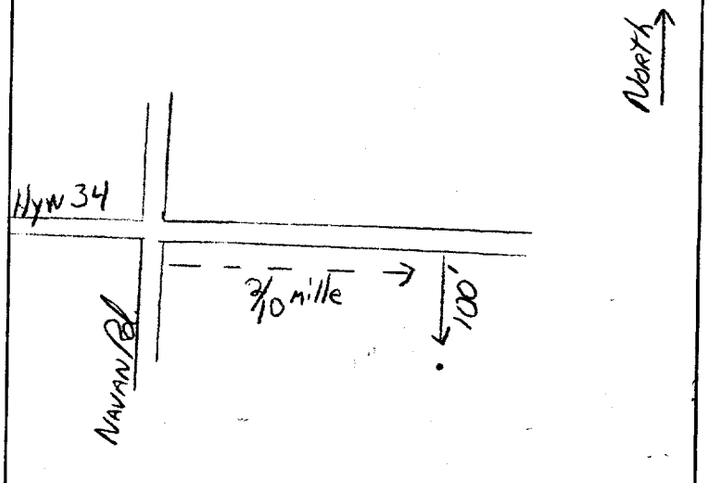
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER — air
PUMPING RATE: 0030 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
029 FEET	065 FEET		029 FEET	029 FEET	029 FEET	029 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 50 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 050 FEET
RECOMMENDED PUMPING RATE: 0025 GPM

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL (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; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING (57) 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: Raymond Charbonneau — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Vice-Pres. — SUBMISSION DATE: DAY 03 MO 03 YR 83

OFFICE USE ONLY

DATA SOURCE (58): 1 — CONTRACTOR (59-62): 1504 — DATE RECEIVED (63-68): 020583
DATE OF INSPECTION — INSPECTOR
REMARKS: CSS, ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 -4- 77 FORM 7

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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(11) 1518331 MUNICIP 15011 CON BF 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC.	LOT	
Carleton	Cumberland	1 o S. O.F 1	28 Pt 28	8

[redacted] . Pierre St. Cumberland, Ont.

DATE COMPLETED: DAY 03 MO 06 YR 83

UTM 37499 RC 4 ELEVATION 0280 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	23
blue	clay			23	60
grey	limestone			60	65
grey	"			65	66

(31) 0023505 0060305 0066215

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0066	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
6¼ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	+2	0066
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			20-23
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			27-30

SCREEN

SIZE (SLOT NO.)	DIAMETER	LENGTH
31-33	34-38 INCHES	39-40 FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN 41-44 FEET | 80

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	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	PUMPING RATE	DURATION OF PUMPING
10 1 ☒ PUMP 2 ☐ BAILER	11-14 0024 GPM	15-16 01 HOURS 17-18 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
19-21 050 FEET	22-24 060 FEET	15 MINUTES 26-28 050 FEET	30 MINUTES 29-31 050 FEET	45 MINUTES 32-34 050 FEET	60 MINUTES 35-37 050 FEET

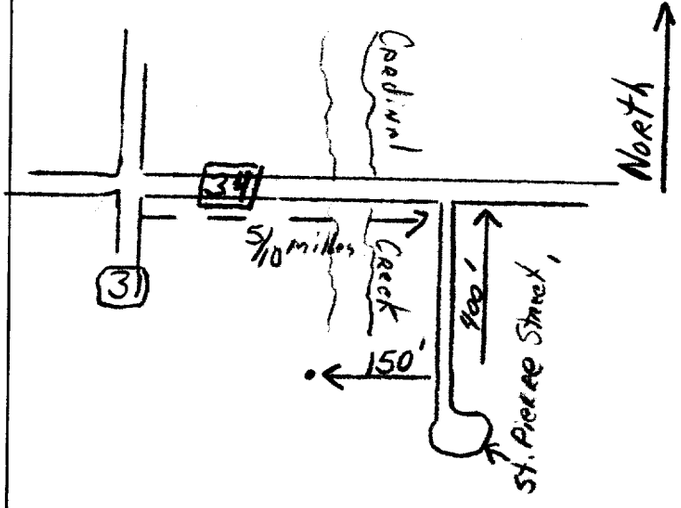
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
38-41 GPM	60 FEET	42 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	43-45 060 FEET	46-49 0024 GPM

50-53

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	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 ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING 57 / 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: Raymond Charbonneau | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: G Charbonneau | SUBMISSION DATE: DAY 03 MO 06 YR 83

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 1504 | DATE RECEIVED 63-68: 05 08 83 | 80

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS. ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11 — 1524109 — MUNICIP 1501 — CON. AF — 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
Ottawa Carleton	Cumberland	1 O.S.	Pt 28

[redacted]berland, Ontario

DATE COMPLETED: DAY 09 MO 12 YR 89

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	14
blue	clay			14	50
grey	gravel		fine gravel	50	54
grey	limestone			54	173

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
160	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		+1	57
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		57	173
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER (INCHES)	LENGTH (FEET)
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN (FEET)	

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP air 2 ☐ BAILER
PUMPING RATE: 4 GPM
DURATION OF PUMPING: 1 HOURS ___ MINS

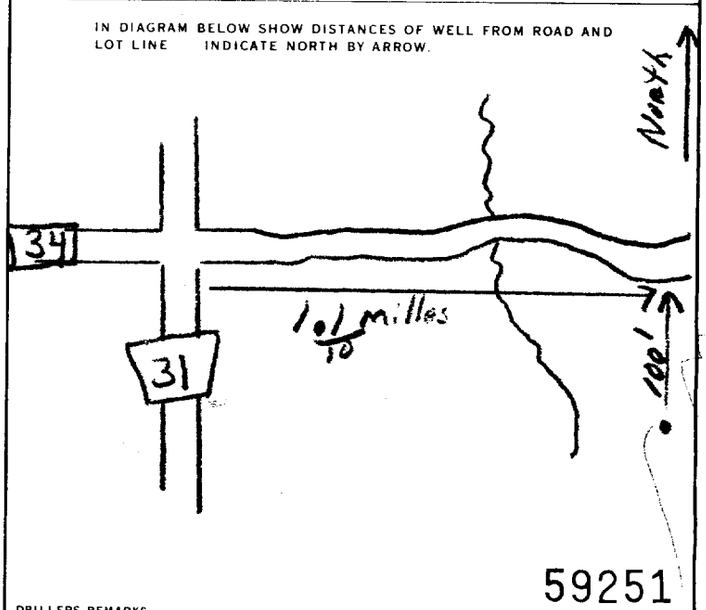
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
71 FEET	170 FEET	110 FEET	71 FEET	71 FEET	71 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	160 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	160 FEET	4 GPM

LOCATION OF WELL

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



59251

DRILLERS REMARKS

FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Charbonneau + Son Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1504
ADDRESS: R.R.2, Box 194, Orléans, Ont. K1C 1T1
NAME OF WELL TECHNICIAN: Raymond Charbonneau
WELL TECHNICIAN'S LICENCE NUMBER: [illegible] T-6458
SIGNATURE OF TECHNICIAN/CONTRACTOR: G. Charbonneau
SUBMISSION DATE: DAY 09 MO 12 YR 89

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1504
DATE RECEIVED: JAN 29 1990
DATE OF INSPECTION
INSPECTOR
REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **1533836**

Municipality 15011 Con. CON 01

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
OTTAWA - Carleton	Cumberland	Conc. 1	29

Address: 986 - Old Montreal Rd

Date completed: 01/05/03 (day/month/year)

21 UTM Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Clay		Soft	0	7
Grey	Clay		Soft	7	50
Grey	Gravel		Soft	50	56
Grey	Shale		Porous	56	58
Grey	limestone		Hard	58	69

31

32

41 WATER RECORD

Water found at - feet	Kind of water
58	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 5/8	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	1.88	0	58
6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☑ Open hole 5 ☐ Plastic		58	69
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet
Material and type	Depth at top of screen feet	

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	Cement grout
		# 30

PUMPING TEST

71 Pumping test method: 1 ☐ Pump 2 ☑ Bailer | Pumping rate: 25 GPM | Duration of pumping: 1 Hours 00 Mins

25 Water levels during: 1 ☐ Pumping 2 ☑ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
25 feet	50 feet	25 feet	25 feet	25 feet	25 feet

If flowing give rate: GPM

Pump intake set at: 55 feet

Water at end of test: ☑ Clear ☐ Cloudy

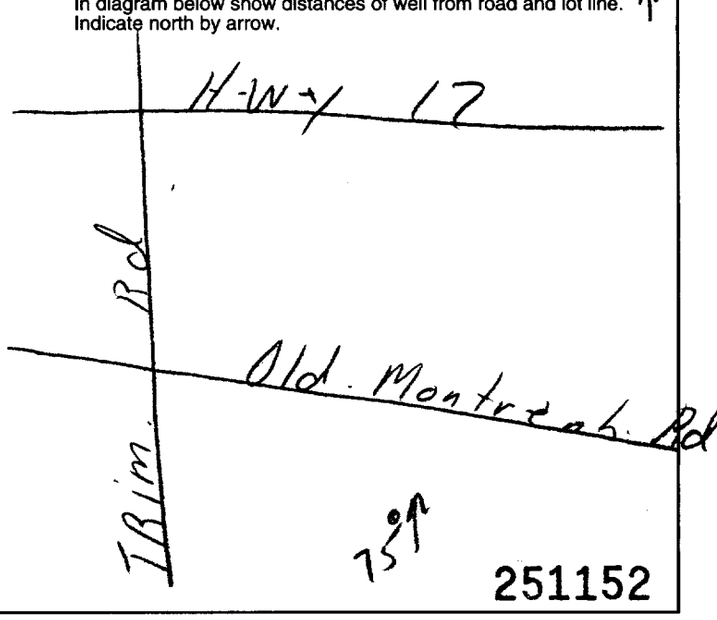
Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump setting: 55 feet

Recommended pump rate: 10 GPM

LOCATION OF WELL

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



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 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

55-56

1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

57

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☑ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
DXR-WATER-well Drilling	6006
Address: 5t-Albert-Ont	
Name of Well Technician: Louis Desnoyers	Well Technician's Licence No.: 1-625
Signature of Technician/Contractor	Submission date: 05/05/03 (day mo yr)

MINISTRY USE ONLY

Data source 58	Contractor 59-62	Date received 63-68
	6006	JUN 06 2003
Date of inspection	Inspector	
Remarks		

CSS.ES3

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (07/00) Front Form 9

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Boulet	Construction		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
239 Maurice St-Louis	Gatineau	Quebec	J9J2X2	8196828208

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1024-1026 Old Montreal Rd G	Old Survey Cumberland	28-29	Conc 1

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	463158	5037561		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
excavate + Cut Casing				0	5 Ft
Hole Plug	Bentonite		11 Bag	5	35 Ft
Clean	Clear Stone		.03 Cubic yard	35	68 Ft

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☒ Abandoned, other, *specify* not in use
☐ Other, *specify* ____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

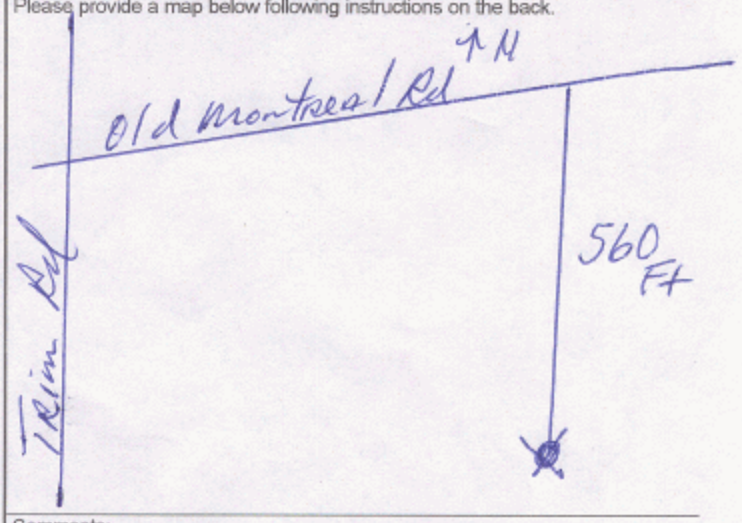
Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Raymond Pump + Well	7260

Business Address (Street Number/Name)	Municipality
147 Main St, St-Albert	Nation

Province	Postal Code	Business E-mail Address
Ontario	K0A3C0	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6139872399	Raymond Jacques

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0264		2011/09/30

Well owner's information package delivered: ☐ Yes ☒ No

Date Package Delivered: 2011/09/28

Date Work Completed: 2011/09/27

Ministry Use Only

Audit No. z128682

Received NOV 01 2011

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Boulet	Construction		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
239 Maurice St-Louis Gatineau		Quebec	J9J2X2	8197682828

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1024-1026 Old Montreal Rd	Old Survey Cumberland	28-29	Con 1

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	463130	5037612		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Excavate + Cut Casing			0	5Ft
	Hole Plug	Bentonite	10 Bags	5Ft	40Ft
Clear	Clear	Stone	1 Cubic Yard	40Ft	82Ft
	Decomition 6inch	Diam Drilled	well 82Ft Depth		

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To

Construction Record - Screen

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

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☒ Abandoned, other, *specify*
Not in use
☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

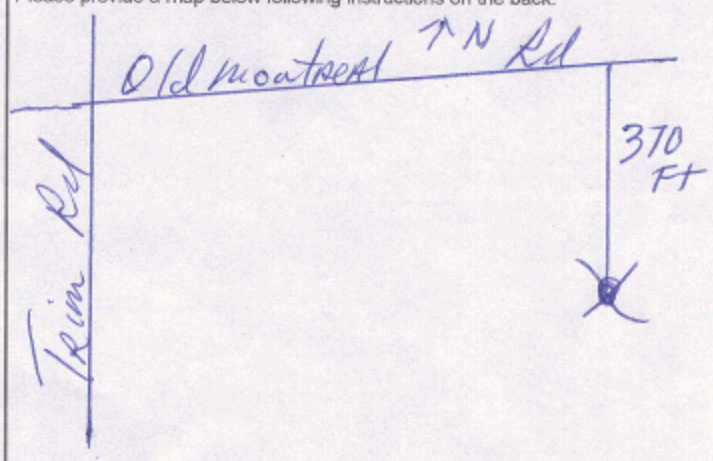
Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Raymond Pump + Well	7260

Business Address (Street Number/Name)	Municipality
147 Main St, St-Albert Ont. Box 18	Nation

Province	Postal Code	Business E-mail Address
Ontario	K0A3C0	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6139872399	Raymond Jacques

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0264		2011/09/30

Well owner's information package delivered: ☐ Yes ☒ No

Date Package Delivered: 2011/09/29

Date Work Completed: 2011/09/26

Ministry Use Only

Audit No. z128681

Received NOV 01 2011

Ministry's Copy

Ontario

Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* N/A

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
#1000 OLD MONTREAL ROAD	CUMBERLAND	PL 29	1

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA-CARLETON	CUMBERLAND	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	462979	5037534	RP-5OR-3046	PART #1

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
6"	Drilled Well Abandonment			0'	64'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
64'	6'	3/8" Hole Plug	14 Bags
6'	0'	Backfill	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

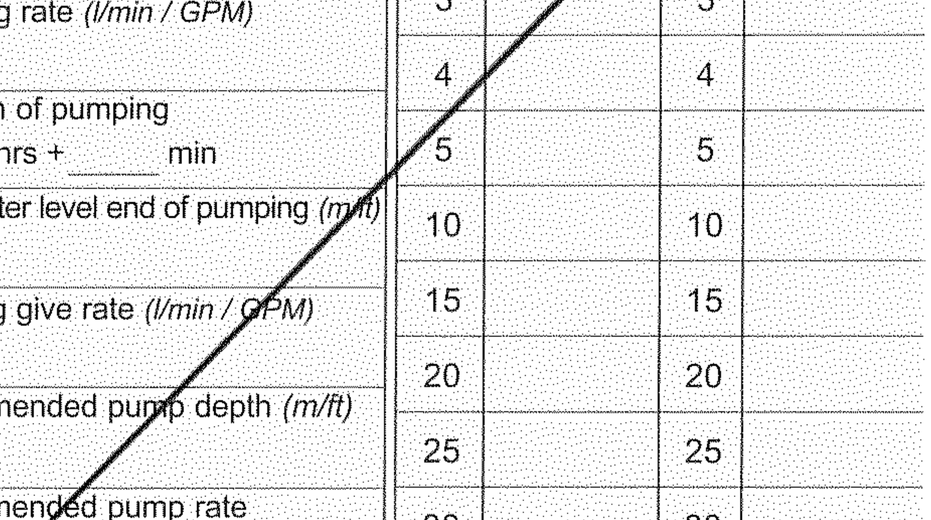
Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
AIR ROCK DRILLING CO LTD	1119

Business Address (Street Number/Name)	Municipality
RR#1	RICHMOND

Province	Postal Code	Business E-mail Address
ONT	K0A 2Z0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	Desaulniers Ken

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7174	Ken D	2015 08 31

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No	2015 08 19	2015 08 19

Ministry Use Only

Audit No Z 191478

Rec'd SEP 22 2015

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Well Tag No. *(Place Sticker and/or Print Below)*: A216087

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Measurements recorded in: ☐ Metric ☑ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Houl Cheurier		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
32 STEACIE DR	KANATA	ON	K2K2A9	6137936141212

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1208 Old Montreal RD	ORLEANS		

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA	Ontario	K4A3W8

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	4	475173	5037510		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Grey	CLAY		Dense	0	3'6"

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
0	1'	Bentonight chips	25 pounds
		Sand	15 pounds
1'	3'6"		

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
~~Hole~~				
1 1/4	Plastic		0	+3

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
1 1/4	Plastick	Sch 40	1	3'6"

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Depth To	Diameter *(cm/in)*
☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*	0	3'6"	6 1/4
☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			
☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

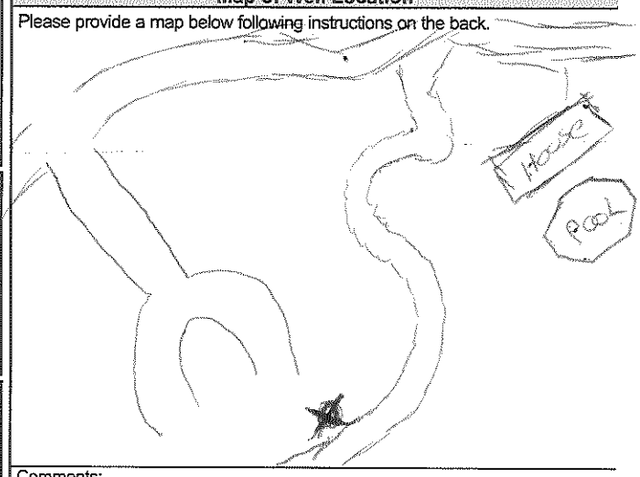
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Forage Grenville Drilling	7517

Business Address (Street Number/Name)	Municipality
141 Queen	Grenville

Province	Postal Code	Business E-mail Address
QC	J0V1J0	tbaccardax@Grenville.CO

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
8192428659	Vincent Houle

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
31813		2016/12/14

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 2016/12/14

Ministry Use Only

Audit No. Z235710

Received DEC 20 2016

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: A165506

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	HOULE cheuries		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
32 STEACIE DR	KANATA	ON	K2K2A9	6137836142

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1208 old MONTREAL RD	ORLEANS		

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA	Ontario	K4A3W8

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	451968	5037410		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Grey	CLAY		Dense	0	25'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	20	BENTONITE	250 pounds
20	25	SAND	100 pounds

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
1 1/4	PLASTIC		+8'	20'

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
1 1/4	PLASTIC	SCH40	20'	25'

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	25	6 1/4

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

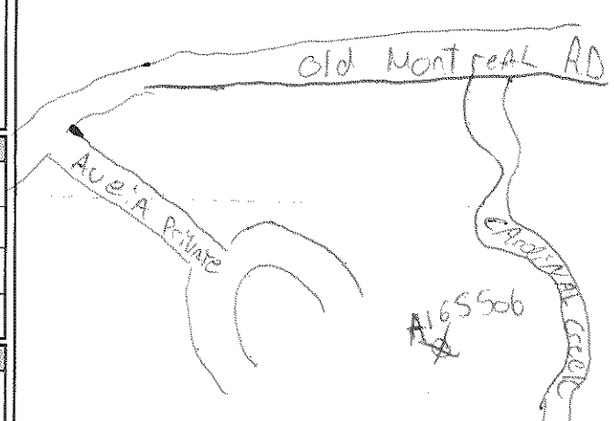
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Portage Grenville Drilling	7579

Business Address (Street Number/Name)	Municipality
141 Queen	Grenville

Province	Postal Code	Business E-mail Address
QC	J0V1J0	Tbaccardax@Grenville.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
8192428659	VINCENT Houle

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3813		2016/12/14

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No		2016/12/14

Ministry Use Only

Audit No. Z235708

DEC 20 2016

Received

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A165507

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Houle Chevrier		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
32 S Teacle DR	Kanata	ON	K2K2A9	6113836141212

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1208 old montreal RD	ORLEANS		

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA	Ontario	K1A0S8

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	453617	5038195		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GREY	CLAY		Dense	0	4'6"

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
+3	2'	Bentonight	50 pounds
2'	4'6"	Sand	50 pounds

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
1 1/4"	Plastic		+3	2'

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
1 1/4"	Plastic	Sch 40	2'	4'6"

Status of Well

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

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: ☐ Fresh ☑ Untested	Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested	Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested	Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
0'	4'6"	6 1/4"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Farage Grenville Drilling	7151719

Business Address (Street Number/Name)	Municipality
141 Queen Grenville	Grenville

Province	Postal Code	Business E-mail Address
QC	J0V1J0	Tbaccarda@Grenville.C

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
8192428659	Vincent Houle

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3813		2016/12/19

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

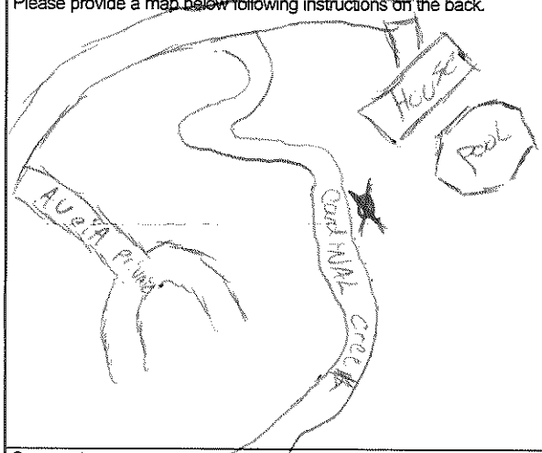
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered ☐ Yes ☒ No

Date Package Delivered: _____

Date Work Completed: 2016/12/16

Ministry Use Only

Audit No. Z235707

Received DEC 20 2016

0506E (2014/11)

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Well Tag No. *(Place Sticker and/or Print Below)*: AZ16088

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Measurements recorded in: ☐ Metric ☑ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hool Chevrier		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
32 STEACIE DR	KANATA	ON	K2K2A9	6113836114122

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
1208 old MONTREAL RD	ORLEANS		

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA	Ontario	K1A3W8

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	451676	5013715		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Grey	CLAY		DENSE	0	25'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	20	BENTONITE	250 pounds
20	25	SAND	100 pounds

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
1 1/4	PLASTIC		+3	20

Status of Well

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

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
1 1/4	PLASTIC	Sch 40	20	25

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	25	6 1/4

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

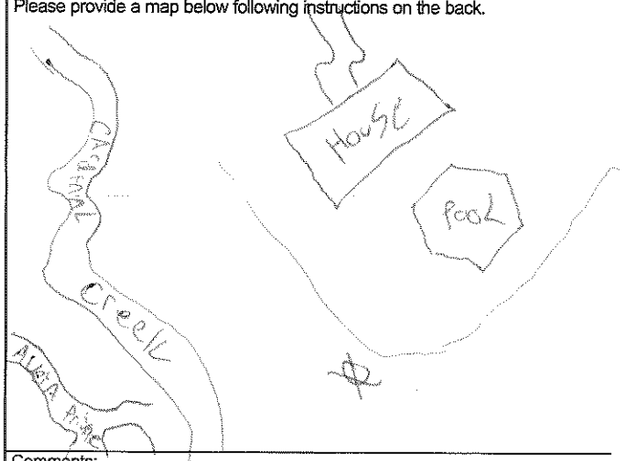
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Farrow Grenville Drilling	7151719

Business Address (Street Number/Name)	Municipality
141 Queen	Grenville

Province	Postal Code	Business E-mail Address
Q.C	J0V1J0	Tbaccardax@Grenville.CO

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
8192428659	Vincent Houle

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3813		2016/12/16

Well owner's information package delivered: ☐ Yes ☒ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 2016/12/16

Ministry Use Only

Audit No. Z235709

Received DEC 20 2016

0506E (2014/11)

Ministry's Copy

Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: February 2, 2022 4:48 PM
To: Nick Sullivan
Subject: RE: Records Search Request (PE5609)

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

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

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

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

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees

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

From: Nick Sullivan <NSullivan@patersongroup.ca>
Sent: February 2, 2022 1:33 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request (PE5609)

Good day,

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

Dairy Drive: 1001, 1010, 1015, 1045;
Old Montreal Road: 975, 992, 1016, 1057, 1079.

Thank you,

Nick Sullivan, B.Sc.

patersongroup
solution oriented engineering
over 60 years serving our clients

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

File Number: D06-03-22-0035

March 16, 2022

Nick Sullivan
Paterson group Inc.

*Sent via email [*nsullivan@patersongroup.ca*]*

Dear Nick,

Re: Information Request
1015 – 1045 Dairy Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- No information was returned on the Subject Property from Departmental circulation.

- **Disposals and Environmental Remediation Unit:** The City's Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit https://ottawa.ca/en/city-hall/accountability-and-transparency/accountability-framework/freedom-information-and-protection-privacy/access-information

    - Awaiting reponse

- **Sewer Use Program:** The City's Sewer Use Program has found the following information pertaining to the subject property:

    - Awaiting reponse

- **Environment and Health Protection:** The City's Environment and Health Protection Branch has found the following information pertaining to the subject property:

    - Awaiting reponse

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at https://ero.ontario.ca/ contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database 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.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Amya Martinov
Student Planner

Per:

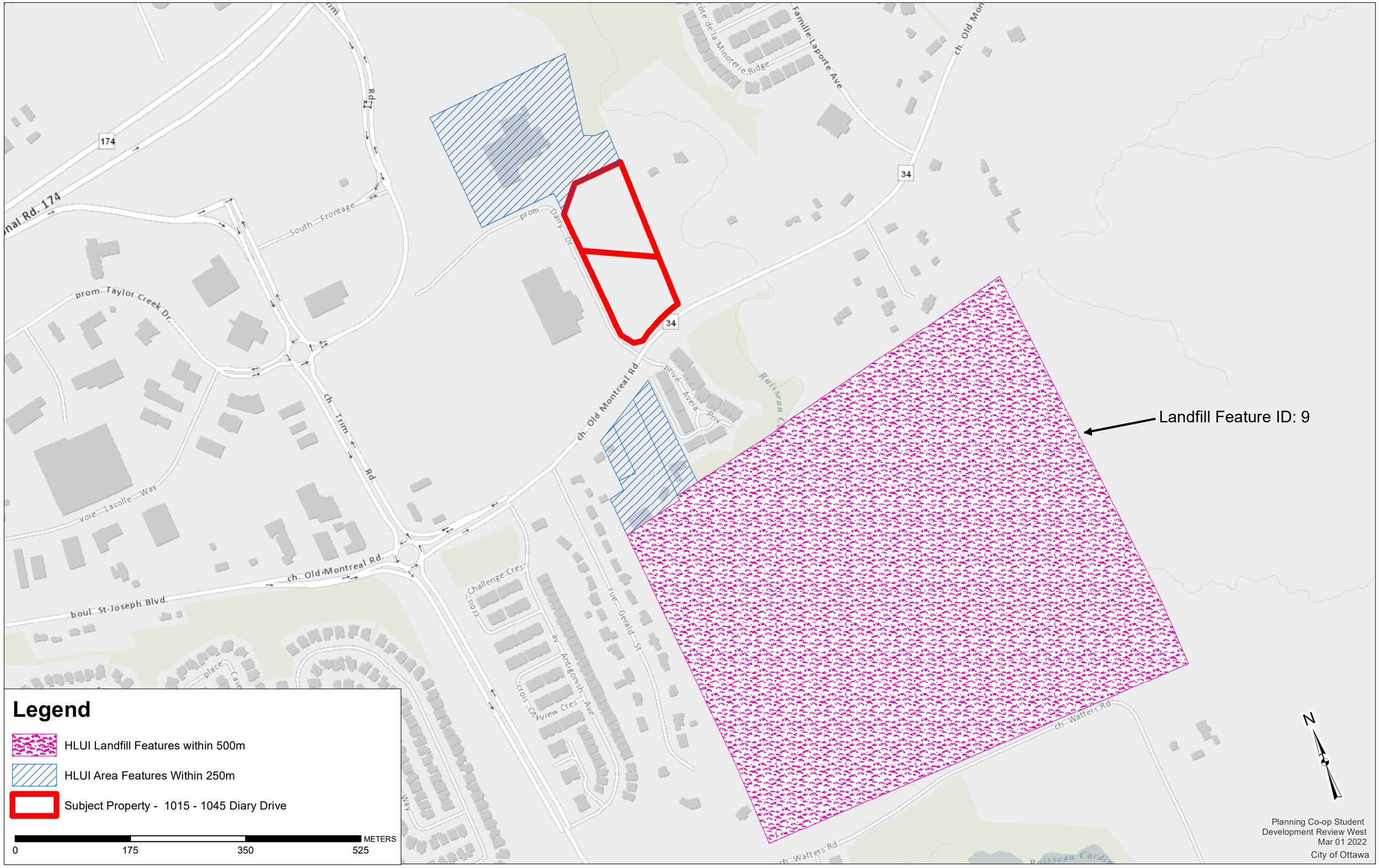
Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / AM

Enclosures: (2)
1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-22-0035

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
13113	UNNAMED WASTE DISP(	Landfill	1922-DMD-TM-Ottawa-Sheet#14	1	1920-1991	c. <1990; c	0				OTTAWA	1085	WATTERS	RD		K4A3P9	1.45E+08	CUMBERLAND	221320; 221330	499	UTM = 445870E, 5028130		2558.59991	398581.8458
13114	ACE BODY SHOP	Motor Vehicle Repair Shop	1996-MCBED; 2001-ES; 2005-Se	1	1996-2012	c. 1996; c.	996	OLD MONTREAL	RD		CUMBERL	992	OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND	488410; 811112	635; 639			612.0222819	14800.63057
13115	ACE BODY SHOP	Motor Vehicle Repair Shop	1996-MCBED; 2001-ES; 2005-Se	1	1996-2012	c. 1996; c.	996	OLD MONTREAL	RD		CUMBERL	992	OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND	488410; 811112	635; 639			612.0222819	14800.63057
13589	AULT FOODS LTD	Dairy Products Industries	1996-M	1	1996		1001	DAIRY	DR		ORLEANS	1001	DAIRY	DR			1.45E+08	ORLEANS					911.6432353	41100.09099
16301	LAURIN LIONEL	Gasoline Service Stations	2005-PropertyAssessment	1	2005	c. 2005	992	OLD MONTREAL	RD		CUMBERL	1000	OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND	811111; 811112; 811119; 8		see air photo, extends ont		204.6872669	2016.612387
16302	D LAPALME PLUMBING &	Mechanical Specialty Wor	2005-SelectPhone	1	2005	c. 2001; c.	1016	OLD MONTREAL	RD			1016	OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND	238210; 238220; 238910				406.4966405	5724.033972
16305	AGROPUR COOPERATIV	Other/Plant/Office	2012-ES	1	2012	ES 2012	1001	DAIRY	DR			1001	DAIRY	DR		K4A3N3	1.45E+08	CUMBERLAND	311515				911.6432353	41100.09099
16306	NATREL INC (SEALTEST	Dairy Products Industries	1996-MCBED; 2000-PID; 2001-E	1	1996-2016	c. 1996; c.	1001	DAIRY	DR		ORLEANS	1001	DAIRY	DR		K4A3N3	1.45E+08	CUMBERLAND	311511; 311515	104			911.6432353	41100.09099

Prepared By: *D.Kiar*
City of Ottawa
Environmental Remediation Unit
2023-10-24

HLUI SUMMARY REPORT
AREA FEATURES

HISTORIC LANDFILL FEATURE	The historic landfills identified within the HLUI are referenced from the City's Old Landfill Management Strategy report (OLMS, 2004). Contact the City's Environmental Remediation Unit (ERU-UAE@ottawa.ca) if you would like more information about the old landfill sites identified in the OLMS report.
OBJECTID	9
ADJACENT_LANDUSE	<null>
GROUNDWATER_FLOW_DIRECTION	<null>
G_GENERATION	<null>
INFORMATION_SOURCE	MC Staff, 19/02/99
UTM_NAD27_E_NOTE	<null>
WATER_SUPPLY	<null>
SITE_NAME	Unnamed Waste Disposal Site
OPERATIONAL_PERIOD	<null>
OVERBURDEN	<null>
ROAD_TYPE	<null>
WASTEDEPTH	<null>
ECOLOGICAL	<null>
DISTANCE_TO_SURFACE_WATER	<null>
WASTETYPE	<null>
ADJACENT_OWNER	<null>
MAGNITUDE	<null>
LOCATION	<null>
ACTIVITYID	6472
DEPTH_TO_BEDROCK	<null>
SITE_STATUS	Unconfirmed
UTM_NAD27_NORTHING	0
UTM_NAD27_EASTING	0
SOIL_COVER	<null>
PARAMETERS	<null>
G_VERSION	0
SERVICE_AREA	<null>
SITE_ACCES	<null>
CONCENTRTN	<null>
METHANE	<null>
ACTIVITY2	<null>
ADJACENT_INDUSTRY	<null>
OWNERCATEGORY	<null>
SITE_IDENTIFICATION	Cu-21
OWNER	<null>
G_NEXT_VERSION	<null>
SITE_ALIAS	<null>
TOPOGRAPHY	<null>
OPERATOR	<null>
FORMER_MUN	CUMBERLAND
PHYSICAL	<null>
ROAD_NAME	<null>
MOE_ID	<null>
OTHERREF	<null>
LANDFILL_1998_ID	__6O0428
UTM_NAD27_N_NOTE	<null>
SIZE_HA	<null>
DEPTH_TO_GROUNDWATER	<null>
PARENT_ID	<null>
ANDERSONSWASTEDISPOSALSITES_ID	<null>
OTHER_INFO	<null>
LOCTN_REF	<null>
SITE_COORD	Located in the south part of lot 29, concession 1 (old survey). Situated in the ravine north of Watters Rd.
GLOBALID	{4CC6A7CA-88F2-4F27-8ACA-F2738CD5D9AA}
SHAPE	Polygon
Common Name	Unnamed Landfill
Common Name French	Décharge sans nom
Site ID French	Cu-21
Sie Name French	Site d'enfouissement de déchets sans nom
Unique ID	Unnamed Waste Disposal SiteCu-21
SHAPE.AREA	402891.8237
SHAPE.LEN	2556.49302

DATABASE REPORT

Project Property:	*Phase I ESA* *1015-1045 Dairy Drive* *Orléans ON K4A 3N3*
Project No:	*PE5609*
Report Type:	*Standard Report*
Order No:	*22020200296*
Requested by:	*Paterson Group Inc.*
Date Completed:	*February 7, 2022*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase I ESA* *1015-1045 Dairy Drive Orléans ON K4A 3N3*
Project No:	*PE5609*

Coordinates:

Latitude:	*45.4929509*
Longitude:	*-75.4735142*
UTM Northing:	*5,037,822.40*
UTM Easting:	*463,001.24*
UTM Zone:	*18T*

Elevation:	*202 FT* *61.70 M*

Order Information:

Order No:	*22020200296*
Date Requested:	*February 2, 2022*
Requested by:	*Paterson Group Inc.*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Y	0	2	2
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	2	2
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	0	6	6
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	2	3
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	27	27
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	2	2
NPRI	National Pollutant Release Inventory	Y	0	2	2
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	3	3
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	10	10
	Total:		1	63	64

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		1045 Dairy Drive Orleans ON	-/0.0	0.00	23

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	EHS		N. Side of Old Montreal Rd, W. of Cardinal Creek Ottawa ON	ESE/38.6	-1.46	23
3	WWIS		lot 29 con 1 ON ***Well ID:*** 1513139	ESE/116.8	-6.82	23
4	BORE		ON	SE/120.3	1.33	26
5	WWIS		lot 29 con 1 ON ***Well ID:*** 1513144	SE/120.4	1.33	27
6	CA		1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K4A 3N3	WSW/121.1	-0.85	30
6	GEN	HFS	1010 Dairy Drive Olreans ON K4A 3N3	WSW/121.1	-0.85	30
6	SCT	Healthcare Food Service ON Inc	1010 Dairy Dr Orléans ON K4A 3N3	WSW/121.1	-0.85	31
6	EBR	HFS Experts in Healthcare Food	1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA ON	WSW/121.1	-0.85	31
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	31
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	32
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	32
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	33

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
6	GEN	HFS	1010 Dairy Drive Ottawa ON	WSW/121.1	-0.85	33
6	ECA	Hospital Food Services-Ontario, Inc.	1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K1B 3V6	WSW/121.1	-0.85	33
6	ECA	Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario,	Inc. 1010 Dairy Dr Ottawa ON K4A 3N3	WSW/121.1	-0.85	34
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	34
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	35
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	35
6	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	35
6	EHS		1010 Diary Drive Ottawa Orléans ON K4A 3N3	WSW/121.1	-0.85	36
6	GEN	Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	36
6	PINC	PIPELINE HIT 4"	(OPP) 1010 DAIRY DR.,,OTTAWA,ON,K4A 3N3,CA ON	WSW/121.1	-0.85	37
6	GEN	Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	37
7	BORE		ON	ESE/133.8	-3.76	38
8	WWIS		lot 29 con 1 ON	ESE/134.0	-3.76	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513143			
9	WWIS		lot 28 ON ***Well ID:*** 7332165	ESE/180.2	-7.37	42
10	WWIS		lot 29 con 1 ON ***Well ID:*** 1513150	SSE/190.0	3.12	42
11	EASR	SITE PREPARATION LIMITED	ON	E/194.3	-6.13	45
12	WWIS		lot 29 con 1 ON ***Well ID:*** 1533836	S/220.3	4.18	45
13	WWIS		lot 28 con 1 ON ***Well ID:*** 1513137	E/230.4	1.38	49
14	SPL	NATREL(ONT)INC.	NATREL FOODS, 1001 DAIRY DRIVE 1001 DAIRY DRIVE CUMBERLAND TOWNSHIP CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	52
14	SCT	Natrel Inc.	1001 Dairy Dr Orleans ON K4A 3N3	WNW/232.4	-4.82	52
14	GEN	NATREL ONTARIO INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	52
14	GEN	NATREL (ONTARIO) INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	53
14	GEN	NATREL (SEE & USE ON2687803)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	53
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	54
14	SCT	Agropur Cooperative	1001 Dairy Dr Orléans ON K4A 3N3	WNW/232.4	-4.82	55
14	SPL		1001 Dairy Dr Ottawa ON K4A 3N3	WNW/232.4	-4.82	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	NPCB	AULT FOODS	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW/232.4	-4.82	55
14	NPCB	NATURAL ONTARIO INC. (AULT FOODS LIMITED)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	56
14	SPL	Agropur Cooperative	1001 Dairy Dr Ottawa ON K4A 3N3	WNW/232.4	-4.82	56
14	CA	Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW/232.4	-4.82	56
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	57
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	57
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	58
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	59
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON	WNW/232.4	-4.82	59
14	NPRI	AGROPUR COOPERATIVE	101 DAIRY DRIVE RUE NOT AVAILABLE OTTAWA ON K4A 3N3	WNW/232.4	-4.82	60
14	ECA	Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW/232.4	-4.82	61
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	61
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	63
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	63
14	NPRI	Agropur Cooperative	1001 Dairy Drive Street Orleans ON K4A 3N3	WNW/232.4	-4.82	64
14	EASR	AGROPUR COOPERATIVE AGROPUR COOPERATIVE	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW/232.4	-4.82	65
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	65
14	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	66
15	WWIS		lot 29 con 1 ON ***Well ID:*** 1516405	SE/238.9	-2.39	67
16	WWIS		1208 OLD MONTREAL RD lot 28 Ottawa ON ***Well ID:*** 7277431	ESE/242.1	-7.80	70
17	WWIS		1024 OLD MONTREAL RD. 1026 lot 29 OTTAWA ON ***Well ID:*** 7170842	SE/246.7	0.77	72
18	ECA	4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE/247.8	-5.06	74
18	ECA	4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE/247.8	-5.06	74
18	ECA	4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE/247.8	-5.06	75

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	SE	120.31	4

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	ESE	133.80	7

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K4A 3N3	WSW	121.09	6
Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW	232.43	14

EASR - Environmental Activity and Sector Registry

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
SITE PREPARATION LIMITED	ON	E	194.34	11
AGROPUR COOPERATIVE AGROPUR COOPERATIVE	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW	232.43	14

EBR - Environmental Registry

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
HFS Experts in Healthcare Food	1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA ON	WSW	121.09	6

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2021 has found that there are 6 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario,	Inc. 1010 Dairy Dr Ottawa ON K4A 3N3	WSW	121.09	6
Hospital Food Services-Ontario, Inc.	1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K1B 3V6	WSW	121.09	6
Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW	232.43	14
4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE	247.83	18
4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE	247.83	18
4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE	247.83	18

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1045 Dairy Drive Orleans ON	-	0.00	1

Lower Elevation	Address	Direction	Distance (m)	Map Key
	N. Side of Old Montreal Rd, W. of Cardinal Creek Ottawa ON	ESE	38.56	2
	1010 Diary Drive Ottawa Orléans ON K4A 3N3	WSW	121.09	6

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Nov 30, 2021 has found that there are 27 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6

HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	6
HFS	1010 Dairy Drive Olreans ON K4A 3N3	WSW	121.09	6
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON	WNW	232.43	14

AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
NATREL (SEE & USE ON2687803)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	14
NATREL (ONTARIO) INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	14
NATREL ONTARIO INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	14

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 2 NPCB site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
AULT FOODS	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW	232.43	14
NATURAL ONTARIO INC. (AULT FOODS LIMITED)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	14

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 2 NPRI site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
AGROPUR COOPERATIVE	101 DAIRY DRIVE RUE NOT AVAILABLE OTTAWA ON K4A 3N3	WNW	232.43	14
Agropur Cooperative	1001 Dairy Drive Street Orleans ON K4A 3N3	WNW	232.43	14

PINC - Pipeline Incidents

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT 4"	(OPP) 1010 DAIRY DR.,,OTTAWA,ON, K4A 3N3,CA ON	WSW	121.09	6

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Healthcare Food Service ON Inc	1010 Dairy Dr Orléans ON K4A 3N3	WSW	121.09	6
Agropur Cooperative	1001 Dairy Dr Orléans ON K4A 3N3	WNW	232.43	14
Natrel Inc.	1001 Dairy Dr Orleans ON K4A 3N3	WNW	232.43	14

SPL - Ontario Spills

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

Lower Elevation	Address	Direction	Distance (m)	Map Key

Agropur Cooperative	1001 Dairy Dr Ottawa ON K4A 3N3	WNW	232.43	14
NATREL(ONT)INC.	NATREL FOODS, 1001 DAIRY DRIVE 1001 DAIRY DRIVE CUMBERLAND TOWNSHIP CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	14
	1001 Dairy Dr Ottawa ON K4A 3N3	WNW	232.43	14

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 29 con 1 ON ***Well ID:*** 1513144	SE	120.43	5
	lot 29 con 1 ON ***Well ID:*** 1513150	SSE	189.98	10
	lot 29 con 1 ON ***Well ID:*** 1533836	S	220.29	12
	lot 28 con 1 ON ***Well ID:*** 1513137	E	230.39	13
	1024 OLD MONTREAL RD. 1026 lot 29 OTTAWA ON ***Well ID:*** 7170842	SE	246.68	17

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 29 con 1 ON ***Well ID:*** 1513139	ESE	116.77	3
	lot 29 con 1 ON	ESE	133.95	8

Well ID: 1513143

lot 28 ON	ESE	180.19	**9**

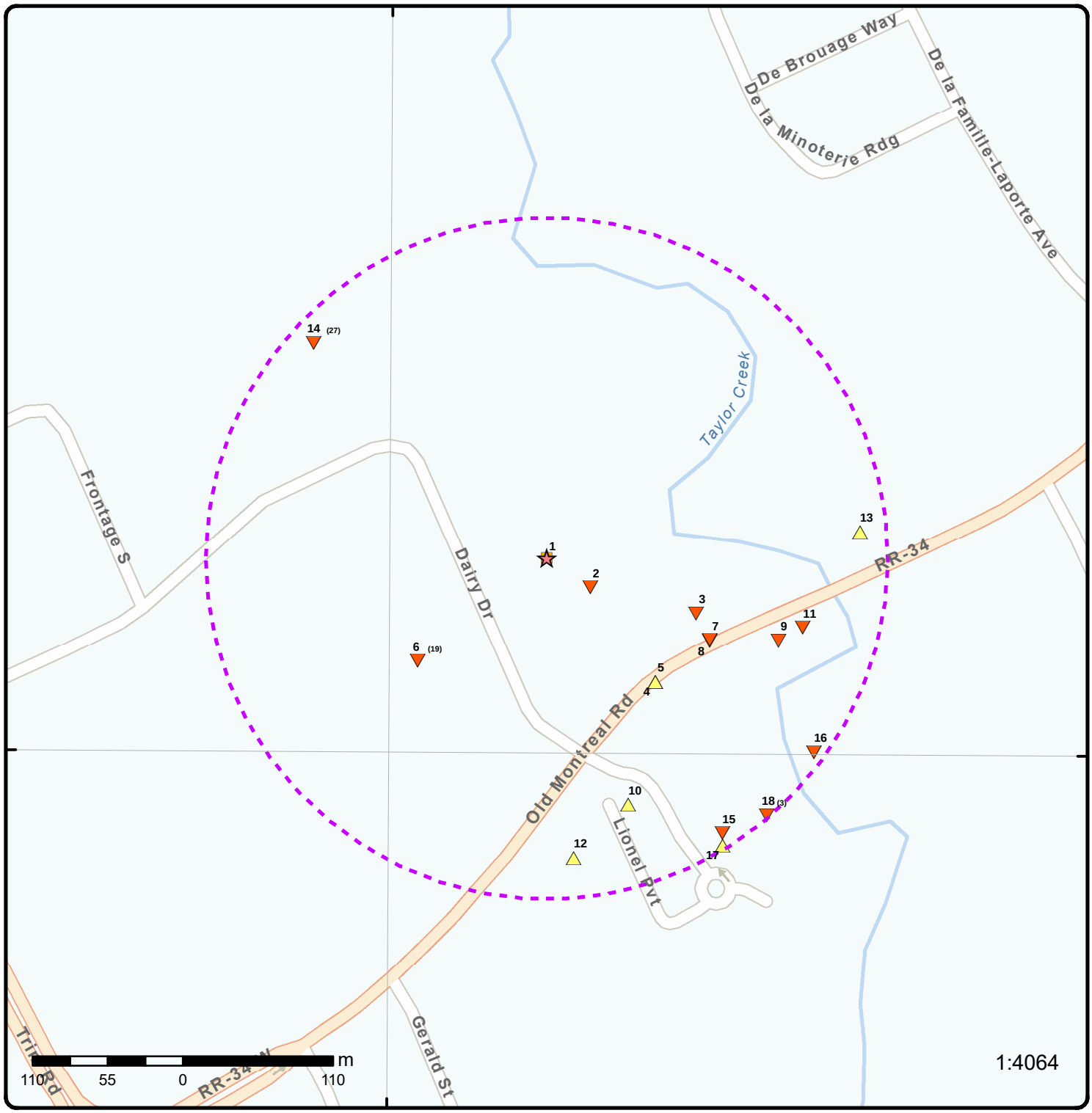
Well ID: 7332165

lot 29 con 1 ON	SE	238.94	**15**

Well ID: 1516405

1208 OLD MONTREAL RD lot 28 Ottawa ON	ESE	242.08	**16**

Well ID: 7277431



Map: 0.25 Kilometer Radius

Order Number: 22020200296

Address: 1015-1045 Dairy Drive, Orléans, ON

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

75°28'30"W

45°30'N

45°30'N

Aerial **Year: 2020**

Order Number: 22020200296

Address: 1015-1045 Dairy Drive, Orléans, ON

Source: ESRI World Imagery

Topographic Map

Order Number: 22020200296

Address: 1015-1045 Dairy Drive, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	61.7 / 0.00	1045 Dairy Drive Orleans ON	EHS

Order No:	20130208003	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	14-FEB-13	**Search Radius (km):**	.25
Date Received:	08-FEB-13	**X:**	0
Previous Site Name:		**Y:**	0
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ESE/38.6	60.2 / -1.46	N. Side of Old Montreal Rd, W. of Cardinal Creek Ottawa ON	EHS

Order No:	20080918009	**Nearest Intersection:**	Old Montreal Road and Gerald Street
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	9/26/2008	**Search Radius (km):**	0.25
Date Received:	9/18/2008	**X:**	-75.473104
Previous Site Name:		**Y:**	45.492758
Lot/Building Size:	lot size: 7.56 acres		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	ESE/116.8	54.9 / -6.82	lot 29 con 1 ON	WWIS

Well ID:	1513139	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/10/1957
Sec. Water Use:	0	**Selected Flag:**	TRUE
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:**	029
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\1513139.pdf

Additional Detail(s) (Map)

Well Completed Date:	1957/07/13
Year Completed:	1957
Depth (m):	21.336
Latitude:	45.4925930299163
Longitude:	-75.4721090634403
Path:	151\1513139.pdf

Bore Hole Information

Bore Hole ID:	10035127	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	463110.80
Code OB Desc:		***North83:***	5037782.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	13-Jul-1957 00:00:00	***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:	931022510
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022511
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961513139
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583697
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062239
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062238
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 60.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513139
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 25.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468640
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0

Water Found Depth UOM: ft

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4 **1 of 1** **SE/120.3** **63.0 / 1.33** **ON** **BORE**

Borehole ID:	616392	**Inclin FLG:**	No
OGF ID:	215517180	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	OCT-1960	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.492143
Total Depth m:	22.9	**Longitude DD:**	-75.472489
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	463081
Drill Method:		**Northing:**	5037732
Orig Ground Elev m:	63.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	65.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403819	**Mat Consistency:**	
Top Depth:	18.3	**Material Moisture:**	
Bottom Depth:	19.8	**Material Texture:**	
Material Color:		**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.		

Geology Stratum ID:	218403820	**Mat Consistency:**	
Top Depth:	19.8	**Material Moisture:**	
Bottom Depth:	21.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218403821	**Mat Consistency:**	
Top Depth:	21.3	**Material Moisture:**	
Bottom Depth:	22.9	**Material Texture:**	
Material Color:	Dark	**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. 00075VELOCITY = 5100. BEDROCK. SEISMIC VELOCITY = 13500. K. DARK,GREY, **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403818	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	

Bottom Depth:	18.3	**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.		

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: 08900 NTS_Sheet:		
Confiden 1:			

Source List

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

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5 **1 of 1** **SE/120.4** **63.0 / 1.33** **lot 29 con 1 ON** **WWIS**

Well ID:	1513144	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/19/1961
Sec. Water Use:	0	**Selected Flag:**	TRUE
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:**	029
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\1513144.pdf

Additional Detail(s) (Map)

Well Completed Date:	1960/10/16
Year Completed:	1960
Depth (m):	22.86
Latitude:	45.4921414004159
Longitude:	-75.4724892279356

Path: 151\1513144.pdf

Bore Hole Information

Bore Hole ID:	10035132	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	463080.80
Code OB Desc:		***North83:***	5037732.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	16-Oct-1960 00:00:00	***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:	931022526
Layer:	2
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022525
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022527
Layer:	3
Color:	
General Color:	
Mat1:	09

Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 65.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022528
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513144
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583702
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062247
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 72.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062248
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 75.0
Casing Diameter: 2.0

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513144
Pump Set At:	
Static Level:	21.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	45.0
Pumping Rate:	9.0
Flowing Rate:	
Recommended Pump Rate:	9.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468645
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75.0
Water Found Depth UOM:	ft

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6 ***1 of 19*** ***WSW/121.1*** ***60.9 / -0.85*** ***1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K4A 3N3*** ***CA***

Certificate #:	1992-5C3KUM
Application Year:	02
Issue Date:	9/4/02
Approval Type:	Industrial sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Hospital Food Services-Ontario, Inc.
Client Address:	2585 Sheffield Road
Client City:	Ottawa
Client Postal Code:	K1B 3V6
Project Description:	Construction of stormwater management for hospital food services production plant
Contaminants:	
Emission Control:	

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6 ***2 of 19*** ***WSW/121.1*** ***60.9 / -0.85*** ***HFS 1010 Dairy Drive Olreans ON K4A 3N3*** ***GEN***

Generator No:	ON9002851	***Status:***	
SIC Code:	722310	***Co Admin:***	
SIC Description:	Food Service Contractors	***Choice of Contact:***	
Approval Years:	03,04,05,06,07,08	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:		***MHSW Facility:***	

Detail(s)

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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6 | **3 of 19** | **WSW/121.1** | **60.9 / -0.85** | **Healthcare Food Service ON Inc**
1010 Dairy Dr
Orléans ON K4A 3N3 | **SCT**

Established: 01-AUG-80
Plant Size (ft²):
Employment:

--Details--
Description: Frozen Food Manufacturing
SIC/NAICS Code: 311410

Description: All Other Food Manufacturing
SIC/NAICS Code: 311990

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6 | **4 of 19** | **WSW/121.1** | **60.9 / -0.85** | **HFS Experts in Healthcare Food**
1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA
ON | **EBR**

EBR Registry No: 010-8360
Ministry Ref No: 7105-7WZM7N
Notice Type: Instrument Decision
Notice Stage:
Notice Date: July 04, 2012
Proposal Date: November 13, 2009
Year: 2009
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:
Posted By:
Company Name: HFS Experts in Healthcare Food
Site Address:
Location Other:
Proponent Name:
Proponent Address: 1010 Dairy Drive, Ottawa Ontario, Canada K4A 3N3
Comment Period:
URL:

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

Site Location Details:

1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA

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6 | **5 of 19** | **WSW/121.1** | **60.9 / -0.85** | **HFS**
1010 Dairy Drive
Ottawa ON K4A 3N3 | **GEN**

Generator No: ON9002851
SIC Code: 722310

Status:
Co Admin:

SIC Description:	Food Service Contractors	**Choice of Contact:**	
Approval Years:	2009	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:		**MHSW Facility:**	

Detail(s)

Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

---

6 **6 of 19** **WSW/121.1** **60.9 / -0.85**

HFS
1010 Dairy Drive
Ottawa ON K4A 3N3

GEN

Generator No:	ON9002851	**Status:**	
SIC Code:	722310	**Co Admin:**	
SIC Description:	Food Service Contractors	**Choice of Contact:**	
Approval Years:	2010	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:		**MHSW Facility:**	

Detail(s)

Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS

---

6 **7 of 19** **WSW/121.1** **60.9 / -0.85**

HFS
1010 Dairy Drive
Ottawa ON K4A 3N3

GEN

Generator No:	ON9002851	**Status:**	
SIC Code:	722310	**Co Admin:**	
SIC Description:	Food Service Contractors	**Choice of Contact:**	
Approval Years:	2011	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:		**MHSW Facility:**	

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

---

6 | **8 of 19** | **WSW/121.1** | **60.9 / -0.85** | **HFS**
1010 Dairy Drive
Ottawa ON K4A 3N3 | **GEN**

Generator No: ON9002851
SIC Code: 722310
SIC Description: Food Service Contractors
Approval Years: 2012
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

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

---

6 | **9 of 19** | **WSW/121.1** | **60.9 / -0.85** | **HFS**
1010 Dairy Drive
Ottawa ON | **GEN**

Generator No: ON9002851
SIC Code: 722310
SIC Description: FOOD SERVICE CONTRACTORS
Approval Years: 2013
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

---

6 | **10 of 19** | **WSW/121.1** | **60.9 / -0.85** | **Hospital Food Services-Ontario, Inc.**
1010 Dairy Drive, Pt. Lot 29, Conc. 1 | **ECA**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Ottawa ON K1B 3V6	

Approval No: 1992-5C3KUM
Approval Date: 2002-09-04
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Hospital Food Services-Ontario, Inc.
Address: 1010 Dairy Drive, Pt. Lot 29, Conc. 1
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2379-593SZ3-14.pdf
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

6	11 of 19	WSW/121.1	60.9 / -0.85	Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario, Inc. 1010 Dairy Dr Ottawa ON K4A 3N3	ECA

Approval No: 9825-877LDB
Approval Date: 2012-06-29
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario, Inc.
Address: 1010 Dairy Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7105-7WZM7N-14.pdf
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

6	12 of 19	WSW/121.1	60.9 / -0.85	HFS 1010 Dairy Drive Ottawa ON K4A 3N3	GEN

Generator No: ON9002851
SIC Code: 722310
SIC Description: FOOD SERVICE CONTRACTORS
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

Waste Class: 145

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

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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6 **13 of 19** **WSW/121.1** **60.9 / -0.85** **HFS** **GEN**
1010 Dairy Drive
Ottawa ON K4A 3N3

Generator No:	ON9002851	**Status:**	
SIC Code:	722310	**Co Admin:**	
SIC Description:	FOOD SERVICE CONTRACTORS	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2016	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	No
Country:	Canada	**MHSW Facility:**	No

Detail(s)

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

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

---

6 **14 of 19** **WSW/121.1** **60.9 / -0.85** **HFS** **GEN**
1010 Dairy Drive
Ottawa ON K4A 3N3

Generator No:	ON9002851	**Status:**	
SIC Code:	722310	**Co Admin:**	RENZO VERERTI
SIC Description:	FOOD SERVICE CONTRACTORS	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2014	**Phone No Admin:**	613-834-3390 Ext.
PO Box No:		**Contam. Facility:**	No
Country:	Canada	**MHSW Facility:**	No

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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6 **15 of 19** **WSW/121.1** **60.9 / -0.85** **HFS** **GEN**
1010 Dairy Drive
Ottawa ON K4A 3N3

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

Generator No:	ON9002851	**Status:**	Registered
SIC Code:		**Co Admin:**	
SIC Description:		**Choice of Contact:**	
Approval Years:	As of Dec 2018	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:	Canada	**MHSW Facility:**	

Detail(s)

Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	112 L
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	212 B
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	16 of 19	WSW/121.1	60.9 / -0.85	1010 Diary Drive Ottawa Orléans ON K4A 3N3	EHS

Order No:	20181205139	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	11-DEC-18	**Search Radius (km):**	.25
Date Received:	05-DEC-18	**X:**	-75.474722
Previous Site Name:		**Y:**	45.492268
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	17 of 19	WSW/121.1	60.9 / -0.85	Apetito HFS Limited 1010 Dairy Drive Ottawa ON K4A 3N3	GEN

Generator No:	ON9002851	**Status:**	Registered
SIC Code:		**Co Admin:**	
SIC Description:		**Choice of Contact:**	
Approval Years:	As of Jul 2020	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:	Canada	**MHSW Facility:**	

Detail(s)

Waste Class:	112 L
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	252 L

Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 212 B
Waste Class Desc: Aliphatic solvents and residues

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6 | **18 of 19** | **WSW/121.1** | **60.9 / -0.85** | **PIPELINE HIT 4" (OPP) 1010 DAIRY DR.,,OTTAWA,ON,K4A 3N3, CA ON** | **PINC**

Incident ID:
Incident No: 1039578
Incident Reported Dt: 3/7/2013
Type: FS-Pipeline Incident
Status Code:
Tank Status: Not Investigated
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: PIPELINE HIT 4"
Incident Address: (OPP) 1010 DAIRY DR.,,OTTAWA,ON,K4A 3N3,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
Enforce Policy:
Public Relation:
Pipeline System:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

---

6 | **19 of 19** | **WSW/121.1** | **60.9 / -0.85** | **Apetito HFS Limited 1010 Dairy Drive Ottawa ON K4A 3N3** | **GEN**

Generator No: ON9002851
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

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

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 112 L
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 212 B
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

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7 **1 of 1** **ESE/133.8** **57.9 / -3.76** **ON** **BORE**

Borehole ID: 616394
OGF ID: 215517182
Status:
Type: Borehole
Use:
Completion Date: OCT-1960
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 21.3
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 61
Elev Reliabil Note:
DEM Ground Elev m: 63.9
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: 45.492416
Longitude DD: -75.47198
UTM Zone: 18
Easting: 463121
Northing: 5037762
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218403824
Top Depth: 0
Bottom Depth: 14.6
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: 218403825
Top Depth: 14.6
Bottom Depth: 17.7
Material Color:
Material 1: Boulders
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BOULDERS.

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

Geology Stratum ID: 218403826
Top Depth: 17.7
Bottom Depth: 21.3
Material Color: Grey
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:

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

Stratum Description: LIMESTONE. GREY. 0007000075VELOCITY = 5100. BEDROCK. SEISMIC VELOCITY = 13500. K. DA **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 08902 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		

---

8 ***1 of 1*** ***ESE/134.0*** ***57.9 / -3.76*** ***lot 29 con 1 ON*** ***WWIS***

Well ID:	1513143	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/19/1961
Sec. Water Use:	0	***Selected Flag:***	TRUE
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:***	029
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\1513143.pdf

Additional Detail(s) (Map)

Well Completed Date:	1960/10/11
Year Completed:	1960
Depth (m):	21.336
Latitude:	45.4924135419433
Longitude:	-75.4719795838412
Path:	151\1513143.pdf

Bore Hole Information

Bore Hole ID:	10035131	***Elevation:***	
DP2BR:		***Elevrc:***	

Spatial Status:		***Zone:***	18
Code OB:		***East83:***	463120.80
Code OB Desc:		***North83:***	5037762.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11-Oct-1960 00:00:00	***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:	931022523
Layer:	2
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	48.0
Formation End Depth:	58.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022522
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022524
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	58.0
Formation End Depth:	70.0

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513143
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583701
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062245
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 60.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062246
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513143
Pump Set At:
Static Level: 21.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 9.0
Flowing Rate:
Recommended Pump Rate: 9.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

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

Water ID: 933468644
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

---

9 | **1 of 1** | **ESE/180.2** | **54.3 / -7.37** | **lot 28 ON** | **WWIS**

Well ID: 7332165
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C13953
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: Yes
Data Src:
Date Received: 1/15/2018
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6894
Form Version: 6
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2017/12/20
Year Completed: 2017
Depth (m):
Latitude: 45.4924161946374
Longitude: -75.4713371467115
Path:

Bore Hole Information

Bore Hole ID: 1007549161
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 20-Dec-2017 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 463171.00
North83: 5037762.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

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10 | **1 of 1** | **SSE/190.0** | **64.8 / 3.12** | **lot 29 con 1** | **WWIS**

Well ID:	1513150	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/30/1970
Sec. Water Use:	0	**Selected Flag:**	TRUE
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:**	029
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):

Additional Detail(s) (Map)

Well Completed Date:	1969/03/07
Year Completed:	1969
Depth (m):	25.2984
Latitude:	45.4913302656531
Longitude:	-75.4727384004197
Path:	

Bore Hole Information

Bore Hole ID:	10035138	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	463060.80
Code OB Desc:		**North83:**	5037642.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	07-Mar-1969 00:00:00	**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:	931022543
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 73.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022544
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 73.0
Formation End Depth: 83.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513150
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583708
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062260
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 75.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062261
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 83.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991513150
Pump Set At:	
Static Level:	40.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	60.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468651
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	83.0
Water Found Depth UOM:	ft

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11 ***1 of 1*** ***E/194.3*** ***55.6 / -6.13*** ***SITE PREPARATION LIMITED*** ***EASR***

ON

Approval No:	R-009-4110265422	***SWP Area Name:***	Rideau Valley
Status:	REGISTERED	***MOE District:***	Ottawa
Date:	2017-10-24	***Municipality:***	
Record Type:	EASR	***Latitude:***	45.4925
Link Source:	MOFA	***Longitude:***	-75.47111111
Project Type:	Water Taking - Construction Dewatering	***Geometry X:***	
Full Address:		***Geometry Y:***	
Approval Type:	EASR-Water Taking - Construction Dewatering		
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2045476		
PDF URL:			
PDF Site Location:			

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12 ***1 of 1*** ***S/220.3*** ***65.9 / 4.18*** ***lot 29 con 1*** ***WWIS***

ON

Well ID:	1533836	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/6/2003
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	251152	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON

Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533836.pdf

Additional Detail(s) (Map)

Well Completed Date:	2003/05/01
Year Completed:	2003
Depth (m):	21.0312
Latitude:	45.4909771237649
Longitude:	-75.4732447932222
Path:	153\1533836.pdf

Bore Hole Information

Bore Hole ID:	10537670	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	463021.00
Code OB Desc:		**North83:**	5037603.00
Open Hole:		**Org CS:**	NA
Cluster Kind:		**UTMRC:**	6
Date Completed:	01-May-2003 00:00:00	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932905899
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	58.0
Formation End Depth:	69.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905897
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	85

Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932905898
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 80
Mat2 Desc: POROUS
Mat3:
Mat3 Desc:
Formation Top Depth: 56.0
Formation End Depth: 58.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932905896
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932905895
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933236368

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

Method of Construction & Well Use

Method Construction ID:	961533836
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11086240
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930097734
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	58.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930097735
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	69.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991533836
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	55.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934121334
Test Type:	Recovery
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914011
Test Type:	Recovery
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396187
Test Type:	Recovery
Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656564
Test Type:	Recovery
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Water Details

Water ID:	934031200
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.0
Water Found Depth UOM:	ft

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13 ***1 of 1*** ***E/230.4*** ***63.1 / 1.38*** ***lot 28 con 1 ON*** ***WWIS***

Well ID:	1513137	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/17/1965
Sec. Water Use:	0	***Selected Flag:***	TRUE
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:***	028
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\1513137.pdf

Additional Detail(s) (Map)

Well Completed Date: 1965/03/12
Year Completed: 1965
Depth (m): 11.5824
Latitude: 45.4931394173469
Longitude: -75.4705778498225
Path: 151\1513137.pdf

Bore Hole Information

Bore Hole ID:	10035125	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	463230.80
Code OB Desc:		***North83:***	5037842.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	12-Mar-1965 00:00:00	***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: 931022506
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022507
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513137
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583695
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062235
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 38.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513137
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 25.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468638
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 38.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	1 of 27	WNW/232.4	56.9 / -4.82	NATREL(ONT)INC. NATREL FOODS, 1001 DAIRY DRIVE 1001 DAIRY DRIVE CUMBERLAND TOWNSHIP CUMBERLAND TOWNSHIP ON K4A 3N3	SPL

Ref No: 166805
Site No:
Incident Dt: //
Year:
Incident Cause: OTHER CAUSE (N.O.S.)
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: 4/20/1999
Dt Document Closed:
Incident Reason: INTENTIONAL/PLANNED
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: NATREL: FUEL AND BATTERY ACID FOUND SPILLED ON GROUND.
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
14	2 of 27	WNW/232.4	56.9 / -4.82	Natrel Inc. 1001 Dairy Dr Orleans ON K4A 3N3	SCT

Established: 1993
Plant Size (ft²):
Employment: 125

--Details--
Description: Fluid Milk Manufacturing
SIC/NAICS Code: 311511

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	3 of 27	WNW/232.4	56.9 / -4.82	NATREL ONTARIO INC. 1001 DAIRY DRIVE ORLEANS ON K4A 3N3	GEN

Generator No: ON2193903
SIC Code: 1041
SIC Description: FLUID MILK IND.
Approval Years: 97,98
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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14 | **4 of 27** | **WNW/232.4** | **56.9 / -4.82** | **NATREL (ONTARIO) INC.**
1001 DAIRY DRIVE
ORLEANS ON K4A 3N3 | **GEN**

Generator No: ON2193903
SIC Code: 1041
SIC Description: FLUID MILK IND.
Approval Years: 99,00
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

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

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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14 | **5 of 27** | **WNW/232.4** | **56.9 / -4.82** | **NATREL (SEE & USE ON2687803)**
1001 DAIRY DRIVE
ORLEANS ON K4A 3N3 | **GEN**

Generator No: ON2193903
SIC Code: 1041
SIC Description: FLUID MILK IND.
Approval Years: 01
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

14 **6 of 27** **WNW/232.4** **56.9 / -4.82** **AGROPUR COOPERATIVE**
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3 **GEN**

Generator No:	ON2687803	**Status:**	
SIC Code:	413120	**Co Admin:**	
SIC Description:	Dairy & Milk Products Whl.	**Choice of Contact:**	
Approval Years:	03,04,05,07,08	**Phone No Admin:**	
PO Box No:		**Contam. Facility:**	
Country:		**MHSW Facility:**	

Detail(s)

Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	114
Waste Class Desc:	OTHER INORGANIC ACID WASTES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	7 of 27	WNW/232.4	56.9 / -4.82	Agropur Cooperative 1001 Dairy Dr Orléans ON K4A 3N3	SCT

Established: 01-AUG-93
Plant Size (ft²):
Employment:

--Details--
Description: Fluid Milk Manufacturing
SIC/NAICS Code: 311511

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	8 of 27	WNW/232.4	56.9 / -4.82	1001 Dairy Dr Ottawa ON K4A 3N3	SPL

Ref No: 7738-78A5QT
Site No:
Incident Dt:
Year:
Incident Cause: Overflow (Tanks Lagoons)
Incident Event:
Contaminant Code: 46
Contaminant Name: MILK WASTE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/23/2007
Dt Document Closed: 11/15/2007
Incident Reason: Negligence (Apparent) - Caused by lack of diligence
Site Name: Natrel Inc (Sealtest)
Site County/District:
Site Geo Ref Meth:
Incident Summary: @200 L waste milk to storm drain, contained, cleaning
Contaminant Qty: 200 L

Discharger Report:
Material Group: Waste
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: NA
Easting: NA
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
14	9 of 27	WNW/232.4	56.9 / -4.82	AULT FOODS 1001 DAIRY DR ORLEANS ON K4A 3N3	NPCB

Company Code: F1362
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

--Details--
Label: F136200
Serial No.:
PCB Type/Code: OTHER WASTE/LOW
Location:
Item/State: BARREL DEBRIS, ETC/FULL
No. of Items: 10
Manufacturer:

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

Status: STORED FOR DISPOSAL
Contents: 250 KG

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14 **10 of 27** **WNW/232.4** **56.9 / -4.82** **NATURAL ONTARIO INC. (AULT FOODS LIMITED)** **NPCB**
1001 DAIRY DRIVE
ORLEANS ON K4A 3N3

Company Code: O0463
Industry: FOOD/BEVERAGE/WATER
Site Status: STORAGE ONLY (NON FEDERAL)
Transaction Date: 1/24/2000
Inspection Date: 6/2/1997

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14 **11 of 27** **WNW/232.4** **56.9 / -4.82** **Agropur Cooperative** **SPL**
1001 Dairy Dr
Ottawa ON K4A 3N3

Ref No: 8424-7NPT5U
Site No:
Incident Dt:
Year:
Incident Cause: Discharge or Emission to Air
Incident Event:
Contaminant Code:
Contaminant Name: AMMONIA (N.O.S.)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/27/2009
Dt Document Closed:
Incident Reason: Negligence (Apparent) - Caused by lack of diligence
Site Name: Natrel Inc (Sealtest)
Site County/District:
Site Geo Ref Meth:
Incident Summary: Natrel: ammonia refrigerant release of R717 to atm.
Contaminant Qty: 6 kg

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: NA
Easting: NA
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Air Spills - Gases and Vapours
Source Type:

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14 **12 of 27** **WNW/232.4** **56.9 / -4.82** **Agropur Cooperative** **CA**
1001 Dairy Drive
Ottawa ON K4A 3N3

Certificate #: 6513-6BSKNX
Application Year: 2005
Issue Date: 8/11/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

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

Contaminants:
Emission Control:

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14 ***13 of 27*** ***WNW/232.4*** ***56.9 / -4.82*** ***AGROPUR COOPERATIVE*** ***GEN***
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No:	ON2687803	***Status:***	
SIC Code:	413120, 311511	***Co Admin:***	
SIC Description:	Dairy and Milk Products Wholesaler-Distributors, Fluid Milk Manufacturing	***Choice of Contact:***	
Approval Years:	2009	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:		***MHSW Facility:***	

Detail(s)

Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	114
Waste Class Desc:	OTHER INORGANIC ACID WASTES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

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14 ***14 of 27*** ***WNW/232.4*** ***56.9 / -4.82*** ***AGROPUR COOPERATIVE*** ***GEN***
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No:	ON2687803	***Status:***	
SIC Code:	413120, 311511	***Co Admin:***	
SIC Description:	Dairy and Milk Products Wholesaler-Distributors, Fluid Milk Manufacturing	***Choice of Contact:***	
Approval Years:	2010	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:		***MHSW Facility:***	

Detail(s)

Waste Class:	145

Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	114
Waste Class Desc:	OTHER INORGANIC ACID WASTES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

14 | ***15 of 27*** | ***WNW/232.4*** | ***56.9 / -4.82*** | ***AGROPUR COOPERATIVE***
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3 | ***GEN***

Generator No:	ON2687803	***Status:***	
SIC Code:	413120, 311511	***Co Admin:***	
SIC Description:	Dairy and Milk Products Wholesaler-Distributors, Fluid Milk Manufacturing	***Choice of Contact:***	
Approval Years:	2011	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	
Country:		***MHSW Facility:***	

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	114
Waste Class Desc:	OTHER INORGANIC ACID WASTES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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

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14 **16 of 27** **WNW/232.4** **56.9 / -4.82** **AGROPUR COOPERATIVE**
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3 **GEN**

Generator No: ON2687803
SIC Code: 413120, 311511
SIC Description: Dairy and Milk Products Wholesaler-Distributors, Fluid Milk Manufacturing
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

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

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

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14 **17 of 27** **WNW/232.4** **56.9 / -4.82** **AGROPUR COOPERATIVE**
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON **GEN**

Generator No: ON2687803
SIC Code: 413120, 311511
SIC Description: DAIRY AND MILK PRODUCTS WHOLESALER-DISTRIBUTORS, FLUID MILK MANUFACTURING
Approval Years: 2013
Status:
Co Admin:
Choice of Contact:
Phone No Admin:

PO Box No:
Country:

Contam. Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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14 | ***18 of 27*** | ***WNW/232.4*** | ***56.9 / -4.82*** | ***AGROPUR COOPERATIVE***
101 DAIRY DRIVE RUE NOT AVAILABLE
OTTAWA ON K4A 3N3 | ***NPRI***

NPRI ID: 27628
Other ID:
No Other ID:
Track ID: 125243
Report ID: 47490
Report Type: NPRI
Rpt Type ID: 1
Report Year: 2014
Not-Current Rpt?: No
Yr of Last Filed Rpt: 2014
Fac ID: 212163
Fac Name: AGROPUR COOPÉRATIVE - USINE DE OTTAWA
Fac Address1: 101 DAIRY DRIVE RUE
Fac Address2: NOT AVAILABLE
Fac Postal Zip: K4A 3N3
Facility Lat: 45.49344
Facility Long: -75.4757
DLS (Last Filed Rpt):
Facility DLS:
Datum: 1983
Facility Cmnts:

Org ID: 100894
Submit Date: 4/27/2015
Last Modified: 5/29/2015 3:28:24 PM
Contact ID:
Cont Type:
Contact Title:
Cont First Name:
Cont Last Name:
Contact Position:
Contact Fax:
Contact Ph.:
Cont Area Code:
Contact Tel.:
Contact Ext.:
Cont Fax Area Cde:
Contact Fax:
Contact Email:
Latitude: 45.494363
Longitude: -75.475709
UTM Zone:
UTM Northing:

URL:	www.agropur.com	**UTM Easting:**	
No of Empl.:	90	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	31		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3115		
NAICS 4 Description:	Dairy product manufacturing		
NAICS Code (6 digit):	311515		
NAICS 6 Description:	Butter, cheese, and dry and condensed dairy product manufacturing		

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14 | ***19 of 27*** | ***WNW/232.4*** | ***56.9 / -4.82*** | ***Agropur Cooperative***
1001 Dairy Drive
Ottawa ON K4A 3N3 | ***ECA***

Approval No:	6513-6BSKNX	**MOE District:**	Ottawa
Approval Date:	2005-08-11	**City:**	
Status:	Approved	**Longitude:**	-75.475716
Record Type:	ECA	**Latitude:**	45.494457
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	Agropur Cooperative		
Address:	1001 Dairy Drive		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2581-697MRM-14.pdf		
PDF Site Location:			

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14 | ***20 of 27*** | ***WNW/232.4*** | ***56.9 / -4.82*** | ***AGROPUR COOPERATIVE***
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3 | ***GEN***

Generator No:	ON2687803	**Status:**	
SIC Code:	413120, 311511	**Co Admin:**	Tom Trumper
SIC Description:	DAIRY AND MILK PRODUCTS WHOLESALER-DISTRIBUTORS, FLUID MILK MANUFACTURING	**Choice of Contact:**	CO_OFFICIAL
Approval Years:	2016	**Phone No Admin:**	613-834-5776 Ext.
PO Box No:		**Contam. Facility:**	No
Country:	Canada	**MHSW Facility:**	No

Detail(s)

Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

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

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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14 **21 of 27** **WNW/232.4** **56.9 / -4.82**

AGROPUR COOPERATIVE
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3

GEN

Generator No: ON2687803
SIC Code: 413120, 311511
SIC Description: DAIRY AND MILK PRODUCTS WHOLESALER-DISTRIBUTORS, FLUID MILK MANUFACTURING
Approval Years: 2015
PO Box No:
Country: Canada

Status:
Co Admin: Tom Trumper
Choice of Contact: CO_OFFICIAL
Phone No Admin: 613-834-5776 Ext.
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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14 **22 of 27** **WNW/232.4** **56.9 / -4.82** **GEN**

AGROPUR COOPERATIVE
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No:	ON2687803	***Status:***	
SIC Code:	413120, 311511	***Co Admin:***	Tom Trumper
SIC Description:	DAIRY AND MILK PRODUCTS WHOLESALER-DISTRIBUTORS, FLUID MILK MANUFACTURING	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2014	***Phone No Admin:***	613-834-5776 Ext.
PO Box No:		***Contam. Facility:***	No
Country:	Canada	***MHSW Facility:***	No

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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14 **23 of 27** **WNW/232.4** **56.9 / -4.82** **GEN**

AGROPUR COOPERATIVE
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No:	ON2687803	***Status:***	Registered
SIC Code:		***Co Admin:***	
SIC Description:		***Choice of Contact:***	
Approval Years:	As of Dec 2018	***Phone No Admin:***	
PO Box No:		***Contam. Facility:***	

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

Country: Canada ***MHSW Facility:***

Detail(s)

Waste Class: 122 C
Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

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

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

Waste Class: 211 H
Waste Class Desc: Aromatic solvents and residues

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

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

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 114 C
Waste Class Desc: Other inorganic acid wastes

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 267 C
Waste Class Desc: Organic acids

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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14 ***24 of 27*** ***WNW/232.4*** ***56.9 / -4.82*** ***Agropur Cooperative***
1001 Dairy Drive Street
Orleans ON K4A 3N3 ***NPRI***

NPRI ID:	27628	***Org ID:***	105344
Other ID:		***Submit Date:***	3/10/2016
No Other ID:		***Last Modified:***	11/18/2016 8:28:05 AM
Track ID:	135304	***Contact ID:***	
Report ID:	64576	***Cont Type:***	
Report Type:	NPRI	***Contact Title:***	
Rpt Type ID:	1	***Cont First Name:***	
Report Year:	2015	***Cont Last Name:***	
Not-Current Rpt?:	No	***Contact Position:***	
Yr of Last Filed Rpt:	2014	***Contact Fax:***	
Fac ID:	237525	***Contact Ph.:***	
Fac Name:	Agropur Coopérative - Usine de Ottawa	***Cont Area Code:***	
Fac Address1:	1001 Dairy Drive Street	***Contact Tel.:***	
Fac Address2:		***Contact Ext.:***	
Fac Postal Zip:	K4A 3N3	***Cont Fax Area Cde:***	
Facility Lat:	45.49344	***Contact Fax:***	
Facility Long:	-75.4757	***Contact Email:***	
DLS (Last Filed Rpt):		***Latitude:***	45.494363
Facility DLS:		***Longitude:***	-75.475709
Datum:	1983	***UTM Zone:***	
Facility Cmnts:		***UTM Northing:***	
URL:		***UTM Easting:***	
No of Empl.:	90	***Waste Streams:***	

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

Parent Co.: ***No Streams:***
No Parent Co.: ***Waste Off Sites:***
Pollut Prev Cmnts: ***No Off Sites:***
Stacks: ***Shutdown:***
No of Stacks: ***No of Shutdown:***
Canadian SIC Code (2 digit):
Canadian SIC Code:
SIC Code Description:
American SIC Code:
NAICS Code (2 digit): 31
NAICS 2 Description: Manufacturing
NAICS Code (4 digit): 3115
NAICS 4 Description: Dairy product manufacturing
NAICS Code (6 digit): 311515
NAICS 6 Description: Butter, cheese, and dry and condensed dairy product manufacturing

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14	***25 of 27***	***WNW/232.4***	***56.9 / -4.82***	***AGROPUR COOPERATIVE AGROPUR COOPERATIVE*** ***1001 DAIRY DR*** ***ORLEANS ON K4A 3N3***	***EASR***

Approval No: R-010-4111090554 ***SWP Area Name:*** Rideau Valley
Status: REGISTERED ***MOE District:*** Ottawa
Date: 2019-03-13 ***Municipality:*** ORLEANS
Record Type: EASR ***Latitude:*** 45.49444444
Link Source: MOFA ***Longitude:*** -75.47583333
Project Type: Air Emissions ***Geometry X:***
Full Address: ***Geometry Y:***
Approval Type: EASR-Air Emissions
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2136096
PDF URL:
PDF Site Location:

14	***26 of 27***	***WNW/232.4***	***56.9 / -4.82***	***AGROPUR COOPERATIVE*** ***1001 Dairy Drive Orleans*** ***CUMBERLAND TOWNSHIP ON K4A 3N3***	***GEN***

Generator No: ON2687803 ***Status:*** Registered
SIC Code: ***Co Admin:***
SIC Description: ***Choice of Contact:***
Approval Years: As of Jul 2020 ***Phone No Admin:***
PO Box No: ***Contam. Facility:***
Country: Canada ***MHSW Facility:***

Detail(s)

Waste Class: 122 C
Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

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

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 114 C
Waste Class Desc: Other inorganic acid wastes

Waste Class: 213 I

Waste Class Desc: Petroleum distillates

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

Waste Class: 211 H
Waste Class Desc: Aromatic solvents and residues

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

Waste Class: 267 C
Waste Class Desc: Organic acids

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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14 | **27 of 27** | **WNW/232.4** | **56.9 / -4.82** | **AGROPUR COOPERATIVE**
1001 Dairy Drive Orleans
CUMBERLAND TOWNSHIP ON K4A 3N3 | **GEN**

Generator No: ON2687803
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada

Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

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

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

Waste Class: 114 C
Waste Class Desc: Other inorganic acid wastes

Waste Class: 211 H
Waste Class Desc: Aromatic solvents and residues

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 122 C
Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 267 C
Waste Class Desc: Organic acids

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

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	1 of 1	SE/238.9	59.3 / -2.39	lot 29 con 1 ON	WWIS

Well ID:	1516405	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/10/1978
Sec. Water Use:	0	**Selected Flag:**	TRUE
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:**	029
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\1516405.pdf

Additional Detail(s) (Map)

Well Completed Date:	1977/08/08
Year Completed:	1977
Depth (m):	15.24
Latitude:	45.4911448989352
Longitude:	-75.4718538079347
Path:	151\1516405.pdf

Bore Hole Information

Bore Hole ID:	10038326	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	463129.80
Code OB Desc:		**North83:**	5037621.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	08-Aug-1977 00:00:00	**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:	931032026
Layer:	3
Color:	2
General Color:	GREY
Mat1:	19
Most Common Material:	SLATE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931032025
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931032024
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961516405
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10586896
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930067365
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991516405
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 30.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934899354
Test Type: Recovery
Test Duration: 60
Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934101898
Test Type: Recovery
Test Duration: 15
Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934641452
Test Type: Recovery
Test Duration: 45
Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380361
Test Type: Recovery
Test Duration: 30
Test Level: 12.0
Test Level UOM: ft

Water Details

Water ID: 933472704
Layer: 1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

16 **1 of 1** **ESE/242.1** **53.9 / -7.80** **1208 OLD MONTREAL RD lot 28 Ottawa ON** **WWIS**

Well ID:	7277431	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	12/20/2016
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7579
Casing Material:		**Form Version:**	7
Audit No:	Z235707	**Owner:**	
Tag:	A165507	**Street Name:**	1208 OLD MONTREAL RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	
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/727\7277431.pdf

Additional Detail(s) (Map)

Well Completed Date:	2016/12/14
Year Completed:	2016
Depth (m):	1.3716
Latitude:	45.4916794979442
Longitude:	-75.4709982581186
Path:	727\7277431.pdf

Bore Hole Information

Bore Hole ID:	1006312109	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	463197.00
Code OB Desc:		**North83:**	5037680.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	14-Dec-2016 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 1006506862

Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 0.0
Formation End Depth: 4.5
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006506869
Layer: 1
Plug From: -3.0
Plug To: 2.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006506870
Layer: 2
Plug From: 2.0
Plug To: 4.5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006506868
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006506861
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006506865
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: -3.0
Depth To: 2.0
Casing Diameter: 1.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006506866

Layer:	1
Slot:	40
Screen Top Depth:	2.0
Screen End Depth:	4.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.25

Water Details

Water ID:	1006506864
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006506863
Diameter:	6.25
Depth From:	0.0
Depth To:	4.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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17 | ***1 of 1*** | ***SE/246.7*** | ***62.5 / 0.77*** | ***1024 OLD MONTREAL RD. 1026 lot 29 OTTAWA ON*** | ***WWIS***

Well ID:	7170842	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	11/1/2011
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7260
Casing Material:		**Form Version:**	7
Audit No:	Z128681	**Owner:**	
Tag:		**Street Name:**	1024 OLD MONTREAL RD. 1026
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	029
Well Depth:		**Concession:**	
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/717\7170842.pdf

Additional Detail(s) (Map)

Well Completed Date:	2011/08/26
Year Completed:	2011
Depth (m):	
Latitude:	45.4910639019116
Longitude:	-75.4718505720452
Path:	717\7170842.pdf

Bore Hole Information

Bore Hole ID:	1003593472	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	463130.00
Code OB Desc:		***North83:***	5037612.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	26-Aug-2011 00:00:00	***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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003997314
Layer:	3
Plug From:	40.0
Plug To:	82.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003997312
Layer:	1
Plug From:	0.0
Plug To:	5.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003997313
Layer:	2
Plug From:	5.0
Plug To:	40.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1003997311
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	1003997304
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 1003997308
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003997309
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1003997307
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003997306
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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18 | ***1 of 3*** | ***SE/247.8*** | ***56.6 / -5.06*** | ***4176855 Canada Inc.***
1024-1026 Old Montreal Rd
Ottawa ON J9J 2X2 | ***ECA***

Approval No: 0379-8UJGCZ
Approval Date: 2012-05-25
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 4176855 Canada Inc.
Address: 1024-1026 Old Montreal Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1207-8UBHD4-14.pdf
PDF Site Location:

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18 | ***2 of 3*** | ***SE/247.8*** | ***56.6 / -5.06*** | ***4176855 Canada Inc.***
1024-1026 Old Montreal Rd | ***ECA***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Ottawa ON J9J 2X2	

Approval No: 0929-8X5PKB
Approval Date: 2012-08-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 4176855 Canada Inc.
Address: 1024-1026 Old Montreal Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0426-8UBHKQ-14.pdf
PDF Site Location:

18	3 of 3	SE/247.8	56.6 / -5.06	4176855 Canada Inc. 1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	ECA

Approval No: 4396-8UKNHT
Approval Date: 2012-05-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 4176855 Canada Inc.
Address: 1024-1026 Old Montreal Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6244-8UBHMQ-14.pdf
PDF Site Location:

Unplottable Summary

Total: 24 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CUMBERLAND TOWNSHIP	OLD MONTREAL RD./BECKETT'S CK.	CUMBERLAND TWP. ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	

WWIS	lot 28	ON
WWIS	lot 28	ON
WWIS	lot 29 con 1	ON
WWIS	lot 28	ON
WWIS	lot 28	ON

Unplottable Report

Site: ***CUMBERLAND TOWNSHIP***
OLD MONTREAL RD./BECKETT'S CK. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-0306-95-
Application Year:	95
Issue Date:	4/20/1995
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site:
lot 28 ON

Database: ***WWIS***

Well ID:	1523901	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/12/1989
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	44263	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045673	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06-Sep-1989 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931056142
Layer: 4
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056139
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056140
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056141
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 27.0

Formation End Depth: 35.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110471
Layer: 1
Plug From: 2.0
Plug To: 35.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523901
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10594243
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079942
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 35.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523901
Pump Set At:
Static Level:
Final Level After Pumping: 30.0
Recommended Pump Depth: 35.0
Pumping Rate: 45.0
Flowing Rate:
Recommended Pump Rate: 25.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934909069
Test Type:
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106662
Test Type:
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390891
Test Type:
Test Duration: 30
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651865
Test Type:
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933482338
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1523827
Construction Date:
Primary Water Use: Public
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 37633
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/11/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045600
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Elevation:
Elevrc:
Zone: 18
East83:
North83:

Open Hole:
Cluster Kind:
Date Completed: 28-Aug-1989 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931055871
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055873
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 57.0
Formation End Depth: 69.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055872
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 57.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055874

Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 69.0
Formation End Depth: 93.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110430
Layer: 1
Plug From: 6.0
Plug To: 25.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523827
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10594170
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079817
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 69.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523827
Pump Set At:
Static Level: 54.0
Final Level After Pumping: 71.0
Recommended Pump Depth: 88.0
Pumping Rate: 29.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 35

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934106599
Test Type: Draw Down
Test Duration: 15
Test Level: 64.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651803
Test Type: Draw Down
Test Duration: 45
Test Level: 71.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909009
Test Type: Draw Down
Test Duration: 60
Test Level: 71.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390829
Test Type: Draw Down
Test Duration: 30
Test Level: 70.0
Test Level UOM: ft

Water Details

Water ID: 933482239
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1523456
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 37602
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:

Data Entry Status:
Data Src: 1
Date Received: 6/20/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	10045231	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	31-May-1989 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931054677
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37.0
Formation End Depth:	52.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931054675
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931054676
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054678
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 52.0
Formation End Depth: 54.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110312
Layer: 1
Plug From: 6.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523456
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593801
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079150
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 54.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523456
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 43.0
Recommended Pump Depth: 48.0

Pumping Rate: 12.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 50
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934104982
Test Type: Draw Down
Test Duration: 15
Test Level: 29.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907396
Test Type: Draw Down
Test Duration: 60
Test Level: 43.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650192
Test Type: Draw Down
Test Duration: 45
Test Level: 43.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389211
Test Type: Draw Down
Test Duration: 30
Test Level: 38.0
Test Level UOM: ft

Water Details

Water ID: 933481722
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 54.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1522253
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 12607
Tag:

Data Entry Status:
Data Src: 1
Date Received: 4/8/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:

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:

County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044066
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01-Feb-1988 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931050712
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050713
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Mat2 Desc: COARSE GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 23.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050711
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522253
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592636
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077071
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 32.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522253
Pump Set At:
Static Level: 9.0
Final Level After Pumping: 24.0
Recommended Pump Depth: 25.0
Pumping Rate: 23.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934109361
Test Type: Draw Down
Test Duration: 15

Test Level: 18.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903428
Test Type: Draw Down
Test Duration: 60
Test Level: 24.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385764
Test Type: Draw Down
Test Duration: 30
Test Level: 24.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654595
Test Type: Draw Down
Test Duration: 45
Test Level: 24.0
Test Level UOM: ft

Water Details

Water ID: 933480070
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 32.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1521841
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 12546
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: 10/22/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043654
DP2BR:
Spatial Status:

Elevation:
Elevrc:
Zone: 18

Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 24-Sep-1987 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931049339
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Mat2 Desc: COARSE GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 36.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049338
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 23.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049337
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521841
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592224
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076274
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 37.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521841
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 17.0
Recommended Pump Depth: 32.0
Pumping Rate: 45.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934910609
Test Type: Draw Down
Test Duration: 60
Test Level: 17.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108135
Test Type: Draw Down
Test Duration: 15
Test Level: 16.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391259
Test Type: Draw Down
Test Duration: 30

Test Level: 17.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653378
Test Type: Draw Down
Test Duration: 45
Test Level: 17.0
Test Level UOM: ft

Water Details

Water ID: 933479548
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 37.0
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database: ***WWIS***

Well ID: 1521576
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/13/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: OS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043398
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Jul-1987 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931048530

Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048531
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048532
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 95.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521576
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591968
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075807
Layer: 2

Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 95.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075806
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 62.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521576
Pump Set At:
Static Level: 60.0
Final Level After Pumping: 95.0
Recommended Pump Depth: 80.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934107051
Test Type: Recovery
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652294
Test Type: Recovery
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390733
Test Type: Recovery
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909944
Test Type: Recovery
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933479199
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95.0
Water Found Depth UOM: ft

Site:
lot 29 ON

Database: ***WWIS***

Well ID: 1520503
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
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: 6/18/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042345
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11-May-1986 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931044951
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044952
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 245.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044953
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 245.0
Formation End Depth: 260.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109111
Layer: 1
Plug From: 0.0
Plug To: 44.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520503
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590915
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930073890
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520503
Pump Set At:	
Static Level:	65.0
Final Level After Pumping:	185.0
Recommended Pump Depth:	240.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934648998
Test Type:	Draw Down
Test Duration:	45
Test Level:	185.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906078
Test Type:	Draw Down
Test Duration:	60
Test Level:	185.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111990
Test Type:	Draw Down
Test Duration:	15
Test Level:	90.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387273
Test Type:	Draw Down
Test Duration:	30
Test Level:	115.0
Test Level UOM:	ft

Water Details

Water ID:	933477761
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	255.0
Water Found Depth UOM:	ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID:	1519982	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/23/1985
Sec. Water Use:		***Selected Flag:***	TRUE
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:***	029
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:			

Bore Hole Information

Bore Hole ID:	10041832	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	27-Jun-1985 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931043353
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID: 931043354
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043355
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 118.0
Formation End Depth: 131.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043356
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 131.0
Formation End Depth: 145.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519982
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10590402
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073033
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 133.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073034
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 145.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519982
Pump Set At:
Static Level: 46.0
Final Level After Pumping: 140.0
Recommended Pump Depth: 110.0
Pumping Rate: 100.0
Flowing Rate:
Recommended Pump Rate: 100.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934904367
Test Type:
Test Duration: 60
Test Level: 46.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654419
Test Type:
Test Duration: 45
Test Level: 46.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110264
Test Type:
Test Duration: 15
Test Level: 46.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934376229
Test Type:	
Test Duration:	30
Test Level:	46.0
Test Level UOM:	ft

Water Details

Water ID:	933477104
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	145.0
Water Found Depth UOM:	ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID:	1519782	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/25/1985
Sec. Water Use:		***Selected Flag:***	TRUE
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:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10041635	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-May-1985 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931042714
Layer:	5
Color:	2
General Color:	GREY

Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 77.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042713
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042710
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042711
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931042712
Layer: 3

Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519782
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10590205
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072704
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 77.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930072703
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 64.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519782
Pump Set At:
Static Level: 31.0
Final Level After Pumping: 45.0
Recommended Pump Depth: 60.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934384397
Test Type: Recovery
Test Duration: 30
Test Level: 31.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109668
Test Type: Recovery
Test Duration: 15
Test Level: 31.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654938
Test Type: Recovery
Test Duration: 45
Test Level: 31.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894722
Test Type: Recovery
Test Duration: 60
Test Level: 31.0
Test Level UOM: ft

Water Details

Water ID: 933476855
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID: 1533128
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 237083
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src: 1
Date Received: 9/25/2002
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10529875	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	28-Jul-2002 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932880217
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932880216
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933230199
Layer:	1
Plug From:	0.0
Plug To:	22.0
Plug Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID: 961533128
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11078445
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930096293
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533128
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 40.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934119090
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934393940
Test Type: Draw Down
Test Duration: 30
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934663224
Test Type: Draw Down

Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934911209
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 934022506
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1531002
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 191606
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/21/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052536
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 27-Oct-1999 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931077220
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 106.0
Formation End Depth: 108.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077217
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077215
Layer: 1
Color: 6
General Color: BROWN
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077218
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 38.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931077216
Layer: 2
Color: 4
General Color: GREEN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077219
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Mat2 Desc: FINE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 100.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116179
Layer: 1
Plug From: 3.0
Plug To: 22.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531002
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10601106
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091783
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 110.0
Casing Diameter: 6.0

Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531002
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 60.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 12.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934395435
Test Type: Draw Down
Test Duration: 30
Test Level: 26.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934120579
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934664717
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903896
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933491324
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 106.0
Water Found Depth UOM: ft

lot 29 con 1 ON

Well ID:	1529160	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/28/1996
Sec. Water Use:	Commerical	***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	116778	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050696	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	15-Oct-1996 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931071981
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	88.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931071982
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND

Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 88.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071983
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3: 17
Mat3 Desc: SHALE
Formation Top Depth: 90.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071980
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114141
Layer: 1
Plug From: 3.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529160
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10599266
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930088565
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991529160
Pump Set At:	
Static Level:	40.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	80.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	12.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934115036
Test Type:	Draw Down
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908121
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934659728
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390000
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933489096
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	98.0
Water Found Depth UOM:	ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID:	1528953	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/17/1996
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	154676	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	029
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050489	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	23-Mar-1996 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931071287
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	55.0
Formation End Depth:	64.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931071286
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 25.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071289
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 68.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071285
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071288
Layer: 4
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Mat2 Desc: POROUS
Mat3:
Mat3 Desc:
Formation Top Depth: 64.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113951
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528953
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10599059
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930088226
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930088225
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	68.0
Casing Diameter:	7.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991528953
Pump Set At:	
Static Level:	55.0
Final Level After Pumping:	55.0
Recommended Pump Depth:	66.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	7.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	3

Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934907132
Test Type:
Test Duration: 60
Test Level: 55.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658607
Test Type:
Test Duration: 45
Test Level: 55.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105806
Test Type:
Test Duration: 15
Test Level: 55.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389432
Test Type:
Test Duration: 30
Test Level: 55.0
Test Level UOM: ft

Water Details

Water ID: 933488849
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

Site:
lot 29 ON

Database:
WWIS

Well ID: 1528847
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 163378
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src: 1
Date Received: 1/29/1996
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1414
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050383
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 14-Dec-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931070993
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070995
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 235.0
Formation End Depth: 252.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070994
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Mat2 Desc: DENSE

Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 235.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113805
Layer: 1
Plug From: 5.0
Plug To: 40.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528847
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10598953
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088060
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 250.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528847
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 55.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934658537
Test Type:

Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388943
Test Type:
Test Duration: 30
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105737
Test Type:
Test Duration: 15
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907062
Test Type:
Test Duration: 60
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933488714
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 250.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1528721
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 139536
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/19/1995
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050257
DP2BR:
Elevation:
Elevrc:

Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 30-Jan-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931070584
Layer: 3
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070583
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 14
Mat2 Desc: HARDPAN
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 4.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070585
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931070582
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113662
Layer:	1
Plug From:	0.0
Plug To:	22.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528721
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10598827
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930087834
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991528721
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	15.0
Recommended Pump Depth:	40.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	20.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY

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

Draw Down & Recovery

Pump Test Detail ID: 934388842
Test Type: Draw Down
Test Duration: 30
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105216
Test Type: Draw Down
Test Duration: 15
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649359
Test Type: Draw Down
Test Duration: 45
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906541
Test Type: Draw Down
Test Duration: 60
Test Level: 15.0
Test Level UOM: ft

Water Details

Water ID: 933488537
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID: 1528002
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 142834
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: OF
Easting NAD83:

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

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049544
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Jun-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931068243
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068246
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 69.0
Formation End Depth: 83.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068244
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068245
Layer: 3
Color: 6
General Color: BROWN
Mat1: 19
Most Common Material: SLATE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 68.0
Formation End Depth: 69.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112856
Layer: 1
Plug From: 4.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528002
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598114
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086574
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 83.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930086573
Layer: 1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 70.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528002
Pump Set At:
Static Level: 36.0
Final Level After Pumping: 82.0
Recommended Pump Depth: 70.0
Pumping Rate: 100.0
Flowing Rate:
Recommended Pump Rate: 100.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934656428
Test Type: Recovery
Test Duration: 45
Test Level: 36.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111870
Test Type: Recovery
Test Duration: 15
Test Level: 36.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386679
Test Type: Recovery
Test Duration: 30
Test Level: 36.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904799
Test Type: Recovery
Test Duration: 60
Test Level: 36.0
Test Level UOM: ft

Water Details

Water ID: 933487570
Layer: 2
Kind Code: 1
Kind: FRESH

Water Found Depth: 80.0
Water Found Depth UOM: ft

Water Details

Water ID: 933487569
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 76.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1526147
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 095195
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: 5/28/1992
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047880
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 31-Mar-1992 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931063366
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 6.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063367
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063365
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111547
Layer: 1
Plug From: 4.0
Plug To: 25.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526147
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10596450
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083817

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 68.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526147
Pump Set At:
Static Level: 24.0
Final Level After Pumping: 56.0
Recommended Pump Depth: 63.0
Pumping Rate: 11.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 20
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934908093
Test Type:
Test Duration: 60
Test Level: 56.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650895
Test Type:
Test Duration: 45
Test Level: 56.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106739
Test Type:
Test Duration: 15
Test Level: 43.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390373
Test Type:
Test Duration: 30
Test Level: 52.0
Test Level UOM: ft

Water Details

Water ID: 933485366
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database:
WWIS

Well ID: 1526101
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 110376
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/10/1992
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047834
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09-Jan-1992 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931063215
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 119.0
Formation End Depth: 122.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063212

Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063213
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 22.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063214
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 119.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111536
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526101
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10596404
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083724
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 122.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526101
Pump Set At:
Static Level: 65.0
Final Level After Pumping: 75.0
Recommended Pump Depth: 110.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934650851
Test Type:
Test Duration: 45
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389908
Test Type:
Test Duration: 30
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106277
Test Type:
Test Duration: 15
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908049
Test Type:
Test Duration: 60

Test Level: 75.0
Test Level UOM: ft

Water Details

Water ID: 933485311
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 122.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1525587
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 69591
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/12/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047322
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 22-Aug-1991 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931061701
Layer: 2
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 17.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061702
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 230.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061700
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 05
Mat2 Desc: CLAY
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111310
Layer: 1
Plug From: 3.0
Plug To: 44.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525587
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595892
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082844

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

Results of Well Yield Testing

Pump Test ID: 991525587
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 125.0
Recommended Pump Depth: 150.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934649161
Test Type:
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906341
Test Type:
Test Duration: 60
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388204
Test Type:
Test Duration: 30
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934104546
Test Type:
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933484624
Layer: 1
Kind Code: 1

Kind:	FRESH
Water Found Depth:	225.0
Water Found Depth UOM:	ft

Site:
lot 28 ON

Database:
WWIS

Well ID:	1525461	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/12/1991
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	89569	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10047199	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-Apr-1991 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931061221
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	80
Mat2 Desc:	POROUS
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	42.0
Formation End Depth:	46.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931061220

Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061219
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061222
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 46.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111216
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525461
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595769
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082639
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082638
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 46.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525461
Pump Set At:
Static Level: 7.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 42.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 7.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934648645
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387688
Test Type:
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112284
Test Type:
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905825
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933484460
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

Site:
lot 29 con 1 ON

Database: ***WWIS***

Well ID: 1524440
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 53749
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/3/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 029
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046190
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 20-Feb-1990 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931057927
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 20.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931057925
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931057926
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 3.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931057928
Layer: 4
Color: 4
General Color: GREEN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 106.0
Formation End Depth: 109.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110736
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961524440
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10594760
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930080882
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	109.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991524440
Pump Set At:	
Static Level:	45.0
Final Level After Pumping:	95.0
Recommended Pump Depth:	95.0
Pumping Rate:	9.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934653599
Test Type:	
Test Duration:	45
Test Level:	95.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108823
Test Type:	
Test Duration:	15
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934902400
Test Type:	
Test Duration:	60
Test Level:	95.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934393051
Test Type:	
Test Duration:	30
Test Level:	95.0
Test Level UOM:	ft

Water Details

Water ID:	933483073
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	109.0
Water Found Depth UOM:	ft

Site:
lot 28 ON

Database:
WWIS

Well ID:	1523902	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/12/1989
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	44243	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045674	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9

Date Completed: 06-Sep-1989 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931056146
Layer: 4
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 31.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056145
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 31.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056143
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056144
Layer: 2
Color: 2

General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 11.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110472
Layer: 1
Plug From: 2.0
Plug To: 31.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523902
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10594244
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079943
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 31.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523902
Pump Set At:
Static Level:
Final Level After Pumping: 35.0
Recommended Pump Depth: 35.0
Pumping Rate: 50.0
Flowing Rate:
Recommended Pump Rate: 30.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934390892
Test Type:
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106663
Test Type:
Test Duration: 15
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651866
Test Type:
Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909070
Test Type:
Test Duration: 60
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933482339
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 42.0
Water Found Depth UOM: ft

Site:
lot 28 ON

Database:
WWIS

Well ID: 1523637
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 37628
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/28/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 028
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10045411	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	16-Aug-1989 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931055309
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	89.0
Formation End Depth:	104.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055305
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055308
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	73.0

Formation End Depth: 89.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055306
Layer: 2
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055307
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 73.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523637
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593981
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079453
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 89.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523637
Pump Set At:
Static Level: 14.0
Final Level After Pumping: 92.0
Recommended Pump Depth: 100.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 40
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934105576
Test Type: Draw Down
Test Duration: 15
Test Level: 37.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650781
Test Type: Draw Down
Test Duration: 45
Test Level: 91.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390222
Test Type: Draw Down
Test Duration: 30
Test Level: 82.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908406
Test Type: Draw Down
Test Duration: 60
Test Level: 92.0
Test Level UOM: ft

Water Details

Water ID: 933481979
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Sep 30, 2021

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Nov 2021

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Jul 2021

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Dec 31, 2021

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Dec 31, 2021

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Nov 30, 2021

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

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

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2020

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Nov 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: May 31, 2021

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Dec 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Nov 30, 2021

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Dec 31, 2021

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Dec 31, 2021

Pipeline Incidents: Provincial PINC

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

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Dec 31, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 2021

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Sep 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, 2018

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Dec 31, 2021

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Sep 30, 2021

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Nick Sullivan, B.Sc.

patersongroup

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

POSITION

Environmental Scientist

EDUCATION

McMaster University, B.Sc. 2016
Earth & Environmental Science

Niagara College, Cert. 2017
Environmental Management & Assessment

EXPERIENCE

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

SELECT LIST OF PROJECTS

Phase I & II Environmental Site Assessments
Contaminated Soil and Groundwater Field Sampling
Subsurface Investigations of Soil and Rock Stratigraphy
Supervision of Environmental Remediation Programs
Designated Substance Surveys

Mark S. D'Arcy, P. Eng

patersongroup

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

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

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

SELECT LIST OF PROJECTS

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