

Phase I – Environmental Site Assessment

1883 Stittsville Main Street Ottawa, Ontario

Prepared for Mattamy Homes

Report: PE6592-1R

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Mattamy Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 1883 Stittsville Main Street, in the City of Ottawa, Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property first developed for residential use with the exiting dwelling circa 1980, and has not changed since that time. Prior to that, the property was used for agricultural purposes (animal pens). No potentially contaminating activities were identified with respect to the historical use of the Phase I Property.

The surrounding lands within the Phase I Study Area have historically been developed for residential purposes, with no significant commercial properties. Undeveloped land is present to the east of the Phase I Property. No potentially contaminating activities were identified with respect to the historical use of the properties situated within the Phase I Study Area.

Presently, the Phase I Property remains occupied by the aforementioned residential dwelling, though it is currently vacant of any tenants. No potentially contaminating activities were identified with respect to the current use of the Phase I Property.

The surrounding lands within the Phase I Study Area currently consist of residential developments, and with minimal commercial owners (drywall, taping and plastering contractor and electrician). Undeveloped land is present to the east of the Phase I Property. No potentially contaminating activities were identified with respect to the current use of the properties situated within the Phase I Study Area.

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

Potentially Hazardous Building Materials

Based on the age of the subject building, asbestos containing materials (ACMs) may be present within the structure. Potential ACMs observed in the subject building includes the drywall joint compound, linoleum flooring, stipple plaster finish, and suspended ceiling tiles. These materials were observed to be in good condition at the time of the site inspection and do not represent an immediate concern. An asbestos survey of the building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to any proposed demolition or renovation activities, if one has not already been conducted.

Lead-based paint may be present on any remaining original surfaces within the building. It is recommended that paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead containing products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act.





1.0 INTRODUCTION

At the request of Mattamy Homes, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 1883 Stittsville Main Street. in the City of Ottawa, Ontario, (Phase I Property). The objective of this Phase I ESA has been to research the past and current use of the Phase I Property, as well as the neighbouring properties within a 250 m study area (Phase I Study Area), to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Connor Gallagher of Mattamy Homes, who can be reached by telephone at 613-218-0139.

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

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



2.0 PHASE I PROPERTY INFORMATION

Address: 1883 Stittsville Main Street, Ottawa, Ontario.

Location: The Phase I Property is situated on the east side of

Stittsville Main Street, south of Parade Drive, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, for

the site location context.

Latitude and Longitude: 45° 14' 28.21" N, 75° 54' 42.75" W.

Site Description:

Configuration: Irregular.

Area: 1.05 ha (approximately).

Zoning: R4Z – Residential Fourth Density Zone.

Current Use: The Phase I Property is currently used for residential

purposes and is occupied by a two-storey single-family home. It should be noted that the building is currently

vacant.

Services: The Phase I Property, prior to vacancy, was serviced

by a private well and septic system. Some of the older developments in the Phase I Study Area utilize a private well and septic system, whereas the more recent developments are serviced with municipal sewer

and water infrastructure.

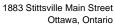


3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I ESA is described as follows:
 Determine the historical activities occurring on the Phase I Property and in the Phase I Study Area by conducting a review of readily available records, reports, photographs, plans, mapping information, databases, and regulatory agencies;
 Investigate the existing conditions present on the Phase I Property and in the Phase I Study Area by conducting site reconnaissance;
 Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, the neighbouring properties;
 Present the results of our findings in a comprehensive report in general accordance with the requirements O. Reg. 153/04, as amended under the Environmental Protection Act, and in compliance with the requirements of CSA Z768-01 (reaffirmed 2022);
 Provide a preliminary environmental site evaluation based on our findings;
 Provide preliminary remediation recommendations and further investigative

work if contamination is suspected or encountered.

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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, herein 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 separation distances.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property was first developed circa 1980s with the existing two-storey dwelling.

Fire Insurance Plans

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

City of Ottawa Street Directories

City of Ottawa street directories were reviewed in approximate 10-year intervals between 2000 and 2011 for the general area of the Phase I Property as part of this assessment. It should be noted that no listings were found for the streets in the Phase I Study Area during and prior to 2000. These directories contain a description of the historical property uses within the general area of the Phase I Property.

According to the directories, the Phase I Property was used for residential purposes. No potentially contaminating activities were identified on the Phase I Property.

The surrounding properties within the Phase I Study area were historically listed as residential, with two addresses listed as commercial names (Henrik Building Inc. and Monarch Construction) and a bed and breakfast (Tall Pine Bed and Breakfast). Based on a review of the directories, no potentially contaminating activities were identified within the Phase I Study Area.



Plan of Survey

A survey plan was not provided to Paterson for review as part of this assessment.

Chain of Title

A chain of title was not requested for the Phase I Property as part of this assessment, since it is our opinion that no new information would be ascertained.

Previous Engineering Reports

A review of environmental projects completed by Paterson in the vicinity of the Phase I Study Area did not identify any concerns considered to pose a risk to the Phase I Property.

There is an on-going geotechnical program, and based on a review of the field logs, the soil on the Phase I Property consists of topsoil and organics, followed by a glacial till deposit, and then weathered bedrock. The glacial till deposit generally consisted of brown silty sand, sand, and/or sandy silt, with gravel, cobbles, and/or boulders throughout.

Bedrock was encountered in all test pits at depths ranging from 1.35 to 3.0 m below the existing ground surface. Bedrock was observed to consist of shale in TP1-24. Groundwater infiltration into the open test pits was not visible at the time of the field program.

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 listed for the Phase I Property, or 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 issued by the MECP on July 2, 2024, did not identify any records. A copy of the response is included in the appendix of this report.

MECP Submissions

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

The response issued by the MECP on July 2, 2024, did not identify any records. A copy of the response is included in the appendix of this report.

MECP Instruments

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

The response issued by the MECP on July 2, 2024, did not identify any records. A copy of the response is included in the appendix of this report.

MECP Waste Management Records

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

The response issued by the MECP on July 2, 2024, did not identify any records. A copy of the response is included in the appendix of this report.

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.



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 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 on June 10, 2024, as part of this assessment. This database contains publicly available information on Records of Site Condition (RSCs) filed in the Province of Ontario between 2004 and 2022.

A search of the online registry did not identify and RSCs filed for the Phase I ESA Property, or any properties situated within the Phase I Study Area.

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

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.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on June 17, 2024, 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 within the Phase I Study Area.

The response from the TSSA indicated that no records were identified as associated with the Phase I Property or any other properties situated within the Phase I Study Area. A copy of the correspondence with the TSSA is included in Appendix 2.

City of Ottawa Former Industrial Sites

The document prepared by Intera Technologies Limited entitled, "Mapping and Assessment of Former Industrial Sites, City of Ottawa", was reviewed as part of this assessment. This document identifies the details and locations of all former industrial sites situated in the City of Ottawa.

A review of this document did not identify any former industrial sites situated on the Phase I ESA 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 closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any former landfill sites situated within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

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

A response from the City of Ottawa was received on July 25, 2024. One record was identified at a property located approximately 125 m to the north of the Phase I Property. The record pertained to a fire protection service contractor. Aerial photos of this location seem to show a residential dwelling. Based on the nature of the record, and the separation distance from the Phase I Property, this HLUI record is not considered to represent a PCA. A copy of the response has been included in Appendix 2.



ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated June 7, 2024, 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, pertaining to a well used for domestic water supply, installed in 1976. According to the record, the overburden stratigraphy on the Phase I ESA Property consists of fill, with brown sand and stones. Bedrock was encountered at 9 ft and consists of grey limestone.

□ Off-Site Records:

The ERIS report identified 48 records associated with the properties situated within the Phase I Study Area.

The ERIS report identified 40 well records and two borehole records within the Phase I Study Area. These records are discussed below in the MECP Water Well Records section.

The remaining records identified in the database report pertain to environmental compliance approvals, a pipeline incident, where a ½" natural gas line was struck due to absence of utility locates (125 m from Phase I Property), and a permit to take water, and are not considered to pose an environmental concern to the Phase I Property.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and reviewed in approximate ten-year intervals. Based on a review of these photographs, the following observations have been made:

The Phase I Property and surrounding lands appear to be vacant at this time. Stittsville Main Street and Fernbank Road can be seen in this photograph.



1967

1507	lands since the time of the previous aerial photograph.
1976	The Phase I Property appears to be occupied by animal pens or vacant spaces. A barn, or similar structure, is present immediately adjacent to the northeast corner of the Phase I Property boundary. A horse racing track is present to the southeast.
1984	(Poor scale, poor quality) No significant changes are apparent with respect to the Phase I Property since the time of the previous aerial photograph. Residential development is occurring to the south of the Phase I ESA Property.
1999	The Phase I ESA Property is occupied by the residential dwelling that exists today. The barn structure noted in the 1976 photograph is still present to the northeast of the Phase I ESA property. The surrounding lands to the north appear to have been developed by a few residential properties, as well as the lands to the south along Stittsville Main Street.
2007	No significant changes are apparent with respect to the Phase I Property since the time of the previous aerial photograph. Residential dwellings have been developed to the southeast of the Phase I ESA Property. Several roads are being constructed on the lands to the west of the Phase I Property.
2017	No significant changes are apparent with respect to the Phase I Property since the time of the previous aerial photograph. The structure adjacent to the north of the Phase I Property, as well as the structures visible further to the north, are no longer present. The lands adjacent to the east of the Phase I Property are undergoing redevelopment.
2022	No significant changes are apparent with respect to the Phase I Property since the time of the previous aerial photograph. The surrounding lands to the east and south have been developed with residential dwellings. The Phase I Property and the surrounding lands appear as they exist today.

No significant changes are apparent with respect to the surrounding

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



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 dolomite of the Gull River Formation. The surficial geology consists primarily of Paleozoic rocks, with minimal glaciofluvial deposits towards the southwest portion of the property. Drift thickness ranging from approximately 0 to 15 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 120 m above sea level, while the regional topography within the greater area is depicted as sloping gently downwards towards the east-southeast.

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

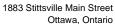
Physiographic Maps

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.

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 Poole Creek, located approximately 450 m to the northwest. Additionally, Fernbank Wetland is located approximately 135 m west of the Phase I Property.

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250 m radius of the Phase I Property was conducted as part of this assessment. The search identified 45 well records within the Phase I Study Area. These records pertain to wells installed between 1961 and 2012, which were installed for domestic water supply purposes. Two of the records (2010 and 2019) pertain to well abandonment or other.

According to the well records, the overburden stratigraphy in the general area of the Phase I Property predominately consists of brown or grey sand with gravel and/or boulders. Bedrock was reported to be encountered at depths ranging from 2 to 60 ft and consists primarily of grey limestone, with minimal shale, according to the well records.

Select copies of the aforementioned well records have been included in Appendix 2.

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5.0 INTERVIEWS

Property Owner Representative

Mr. Ross Bradley, the property owner since 1975, was contacted via email to respond to questioning about the environmental history of the Phase I Property.

Mr. Bradley stated that the existing building was constructed circa 1975, and that it has not undergone any renovations. Mr. Bradley indicated that prior to being converted to natural gas, the building was heated using electricity. He stated that no asbestos or hazardous materials assessments have been conducted at the subject building.

Mr. Bradley stated that he was unaware of any potential environmental concerns with respect to the subject site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was conducted for the Phase I Property on June 4, 2024, between 3:00 PM and 4:15 PM by personnel from the Environmental Department of Paterson Group. Weather conditions were clear, with a temperature of approximately 29 °C.

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

6.2 Specific Observations at the Phase I Property

Site Description

The Phase I Property is currently occupied by a two-storey residential dwelling in the eastern-central portion of the Phase I Property. The front of the subject building is largely landscaped with grassed areas, an asphalt pathway, and some mature trees. The central portion of the Phase I Property is occupied by trees and brush, and the southern portion is grassed.

The site topography is relatively uneven in the treed portion of the subject site, and the topography slopes down from the subject building. The regional topography appears to slope down towards the east. The Phase I Property is generally built-up with respect to the adjacent streets and surrounding properties.



Water drainage on the Phase I Property occurs primarily via infiltration throughout the property. 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 PE6592-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

At the time of the site inspection, the Phase I Property was occupied by a twostorey residential dwelling, with one full basement level. The building is constructed with a concrete foundation and is finished on the exterior with brick cladding in addition to a sloped and shingled roof. The building is currently heated via a natural gas-fired furnace, located in a basement utility room.

It should be noted that the building is currently vacant and no longer used for residential purposes.

Potential Environmental Concerns

☐ Fuels and Chemical Storage

At the time of the site inspection, no vent and fill pipes, above ground fuel storage tanks (ASTs), or evidence indicating the presence of any underground fuel storage tanks (USTs) were observed on the exterior of 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 exterior of 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 exterior of the Phase I Property.



■ Waste Management

At the time of the site inspection, no waste materials were being generated on the Phase I Property, as it is currently vacant.

Interior Assessment

A general description of the interior of the subject building is as follows:
 The floors consist of carpet, ceramic tile, and hardwood on the main floor, upstairs, and basement living spaces, with poured concrete flooring in the basement utility rooms;
 The walls consist of drywall, ceramic tile, a brick fireplace on the main floor,

and concrete blocks in the basement utility rooms;The ceilings consist of drywall, stipple and decorative plaster, with unfinished

☐ Lighting throughout the building is provided by incandescent and fluorescent light fixtures.

Potentially Hazardous Building Products

ceilings in the basement utility rooms;

□ Asbestos-Containing Materials (ACMs)

Based on the age of the subject building, asbestos containing building materials may be present within the structure. Potential ACMs observed in the subject building include the drywall joint compound, linoleum flooring, stipple plaster finish, and suspended ceiling tiles. These materials were observed to be in good condition at the time of the site inspection and do not represent an immediate concern.

□ Lead-Based Paints

Based on the age of the subject building, lead-based paints may be present on any original or older painted surfaces. Painted surfaces were generally observed to be in good condition at the time of the site inspection and do not represent an immediate concern.

☐ Polychlorinated Biphenyls (PCBs) and Transformer Oil

No potential sources of PCBs were identified inside the subject building at the time of the site inspection.



☐ Urea Formaldehyde Foam Insulation (UFFI)

UFFI was not observed inside the subject building at the time of the site inspection, however, wall cavities were not exposed to verify the insulation type.

Other Potential Environmental Concerns

☐ Interior Fuel and Chemical Storage

At the time of the site inspection, no chemical products, vent and fill pipes, aboveground fuel storage tanks, or evidence indicating the presence of any underground fuel storage tanks were observed inside the subject building.

□ Ozone Depleting Substances (ODSs)

Ozone depleting substances (ODSs) may be present in refrigerators, coolers or fire extinguishers. These appliances should be serviced by a licensed contractor as required.

■ Wastewater Discharges

At the time of the site inspection, a sump pit was observed in the basement of the subject building. It was approximately 2 ft by 2 ft and was dry at the time of inspection. A pit was present in the garage of the subject building. No floor drains or pits were observed inside the subject building.

Presently, no wastewater (wash water or sewage) is generated by the subject building. Roof drainage is discharged via infiltration throughout the surrounding landscaped portions of the property. No concerns were identified with respect to wastewater discharge 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: Parade Drive, followed by residential dwellings.

East: Falabella Street, followed by residential dwellings.

South: Campolina Way, followed by residential dwellings.





West:

Stittsville Main Street, followed by residential dwellings and Traditions Woodlot.

No potential environmental concerns were identified with respect to the current use of the adjacent properties. The neighbouring land use within the Phase I Study Area is depicted on Drawing PE6592-2 - Surrounding Land Use Plan, in the Figures section of this report.

REVIEW AND EVALUATION OF INFORMATION 7.0

7.1 **Land Use History**

Based on a review of available historical information, the land use history of the Phase I Property is summarized below in Table 1.

Table 1 Land Use History 1883 Stittsville Main Street, Ottawa, Ontario							
Time Period	Land Use	Description	Observations				
Prior to 1959	Unknown Use	Unknown	No historical information available prior to this time period.				
1959-c.1980s	Agricultural or Other Use	Vacant Land	Aerial photographs from 1959, 1967, and 1976, depict the Phase I Property as vacant land during this time period. However, part of a small structure appears to have occupied a small portion of the Phase I Property in the 1976 aerial photo.				
c. 1980s- Present	Residential Use	Residential Dwelling	Aerial photographs from the 1990's to the present day, as well as a site inspection and personal interviews, confirm the historical and existing presence of the residential dwelling occupying the Phase I Property during this time period.				

Potentially Contaminating Activities (PCAs)

Based on the findings of the Phase I ESA, no potentially contaminating activities (PCAs), were identified on the Phase I Property.



Areas of Potential Environmental Concern (APECs)

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

Contaminants of Potential Concern (CPCs)

Based on the findings of the 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 dolomite of the Gull River Formation. The surficial geology consists primarily of Paleozoic rocks, with minimal glaciofluvial deposits towards the southwest portion of the property. Drift thickness ranging from approximately 0 to 15 m.

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 or within the Phase I Study Area.

The nearest named water body with respect to the Phase I Property is Poole Creek, located approximately 450 m to the northwest. Additionally, Fernbank Wetland is located approximately 135 m west of the Phase I Property.

Drinking Water Wells

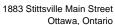
Several potable water wells exist within the Phase I Study Area.

Existing Buildings and Structures

The Phase I Property is currently occupied by a two-storey residential dwelling.

Current and Future Property Use

The Phase I Property is currently vacant. Prior to vacancy, the Phase I Property was used for residential purposes.





Based on the conceptual drawings, is our understanding that the proposed development will consist of seven back-to-back townhouse buildings which may include 1 basement level.

Since the proposed change in land use is not considered to be more sensitive than the existing use, a record of site condition (RSC) will not be required to be filed with the MECP.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist largely of residential properties. Current land use is depicted on Drawing PE6592-2 – 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 the Phase I ESA report, no potentially contaminating activities (PCAs), were identified on the Phase I Property or properties in the Phase I Study Area.

Contaminants of Potential Concern

Based on the findings of the 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

8.1 Assessment

Paterson Group was retained by Mattamy Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 1883 Stittsville Main Street, in the City of Ottawa, Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the subject property.

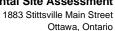
According to the historical research, the Phase I Property first developed for residential use with the exiting dwelling circa 1980, and has not changed since that time. Prior to that, the property was used for agricultural purposes (animal pens). No potentially contaminating activities were identified with respect to the historical use of the Phase I Property.

The surrounding lands within the Phase I Study Area have historically been developed for residential purposes, with no significant commercial properties. Undeveloped land is present to the east of the Phase I Property. No potentially contaminating activities were identified with respect to the historical use of the properties situated within the Phase I Study Area.

Presently, the Phase I Property remains occupied by the aforementioned residential dwelling, though it is currently vacant of any tenants. No potentially contaminating activities were identified with respect to the current use of the Phase I Property.

The surrounding lands within the Phase I Study Area currently consist of residential developments, and with minimal commercial owners (drywall, taping and plastering contractor and electrician). Undeveloped land is present to the east of the Phase I Property. No potentially contaminating activities were identified with respect to the current use of the properties situated within the Phase I Study Area.

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.





8.2 Recommendations

Potentially Hazardous Building Materials

Based on the age of the subject building, asbestos containing materials (ACMs) may be present within the structure. Potential ACMs observed in the subject building includes the drywall joint compound, linoleum flooring, stipple plaster finish, and suspended ceiling tiles. These materials were observed to be in good condition at the time of the site inspection and do not represent an immediate concern. An asbestos survey of the building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to any proposed demolition or renovation activities, if one has not already been conducted.

Lead-based paint may be present on any remaining original surfaces within the building. It is recommended that paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead containing products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act.



9.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information 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 Mattamy Homes. Permission and notification from Mattamy Homes and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.

V. Nowfood

Vanessa Naufal, Environmental Technician

Adrian Menyhart, P.Eng., ing., QPesa

AM A. S. MENYHART 100172056 Dec 19 2024

Report Distribution:

Mattamy Homes

■ 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.					
Pr	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. MECP: Ontario PCB Waste Storage Site Inventory, 1995. 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.					
Μι	unicipal Records					
	City of Ottawa: GeoOttawa 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. Previous Engineering Reports.					
Public Information Sources						
	ERIS Database Report. Google Earth.					

Report: PE6592-1 December 19, 2024

☐ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6592-1 - SITE PLAN

DRAWING PE6592-2 – SURROUNDING LAND USE PLAN

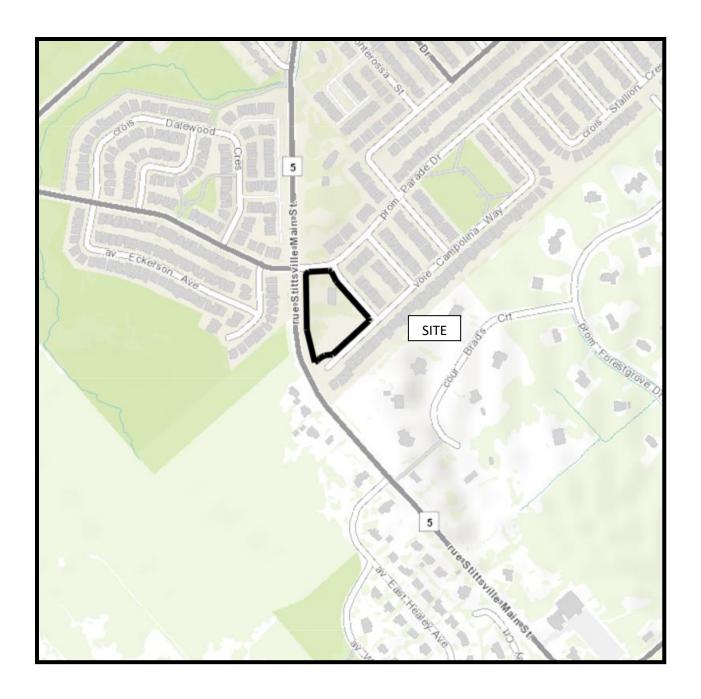


FIGURE 1 KEY PLAN



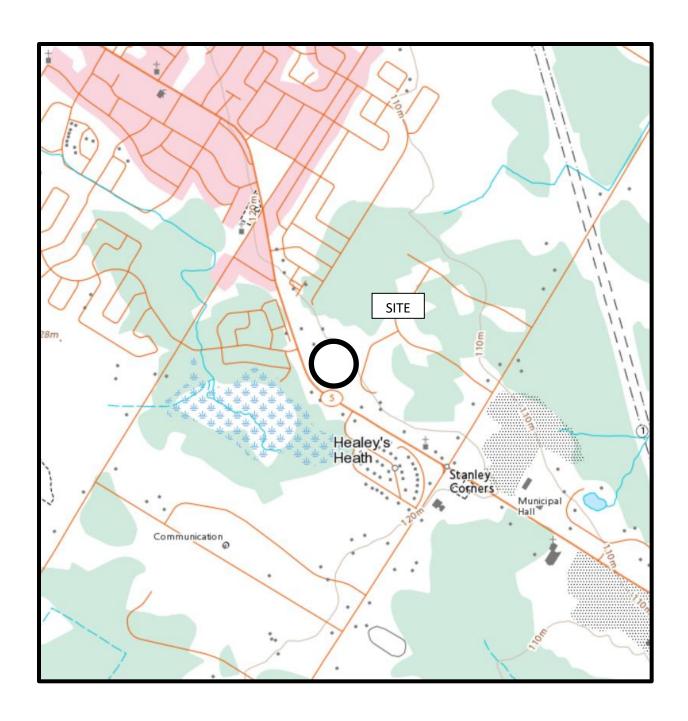
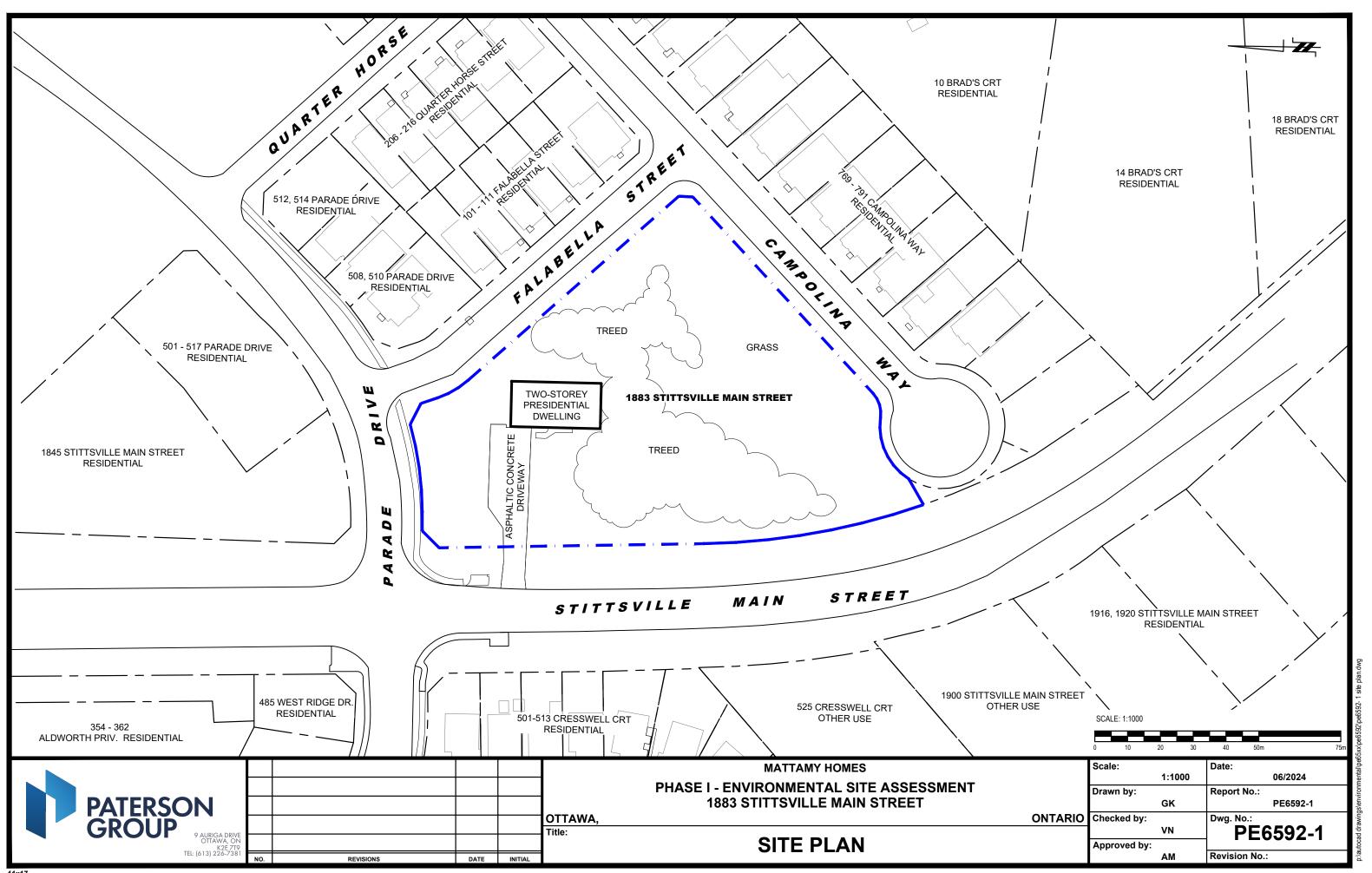
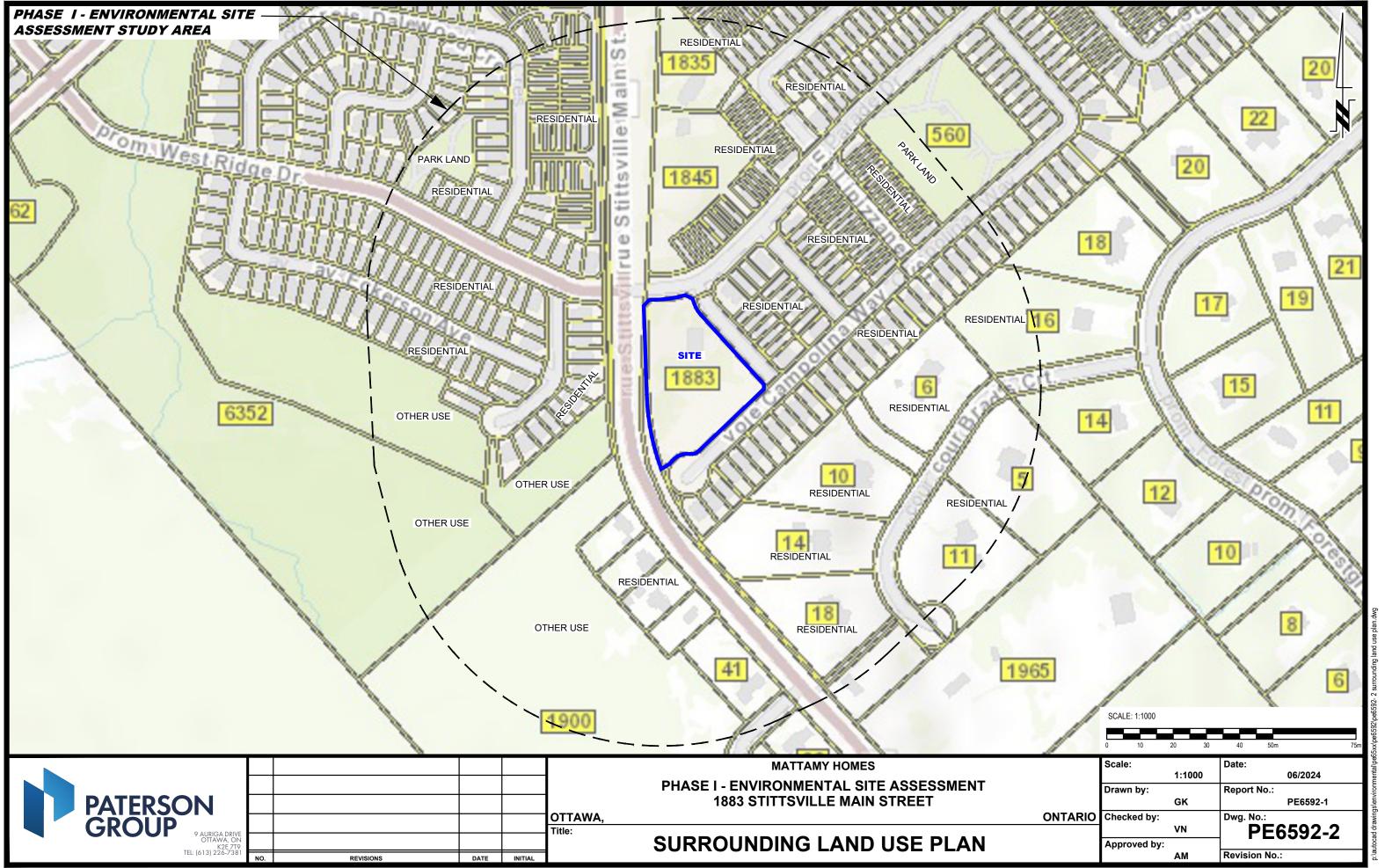


FIGURE 2 TOPOGRAPHIC MAP

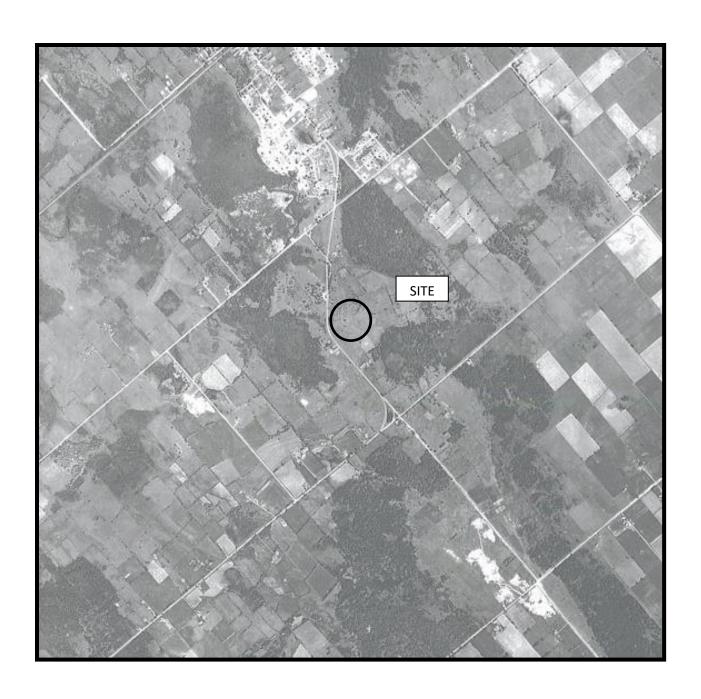






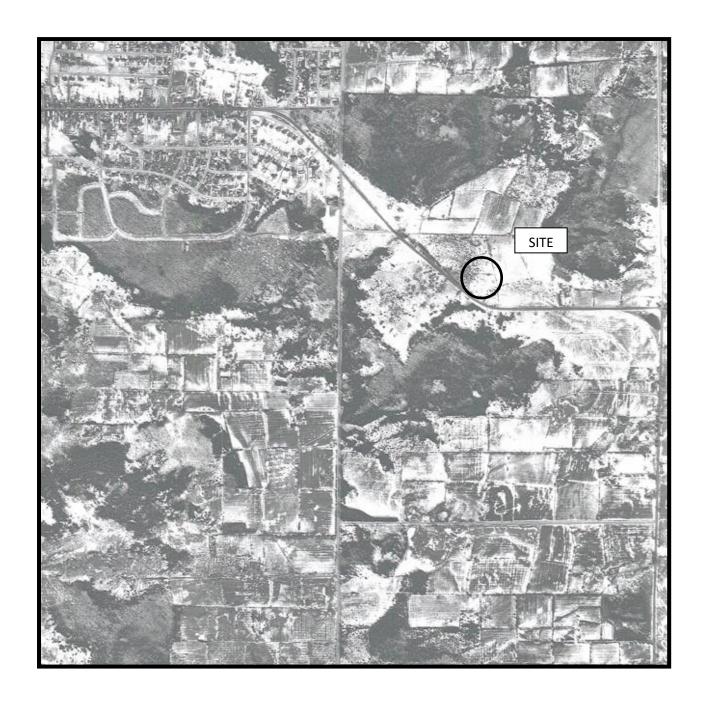
APPENDIX 1

AERIAL PHOTOGRAPHS
SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH 1959





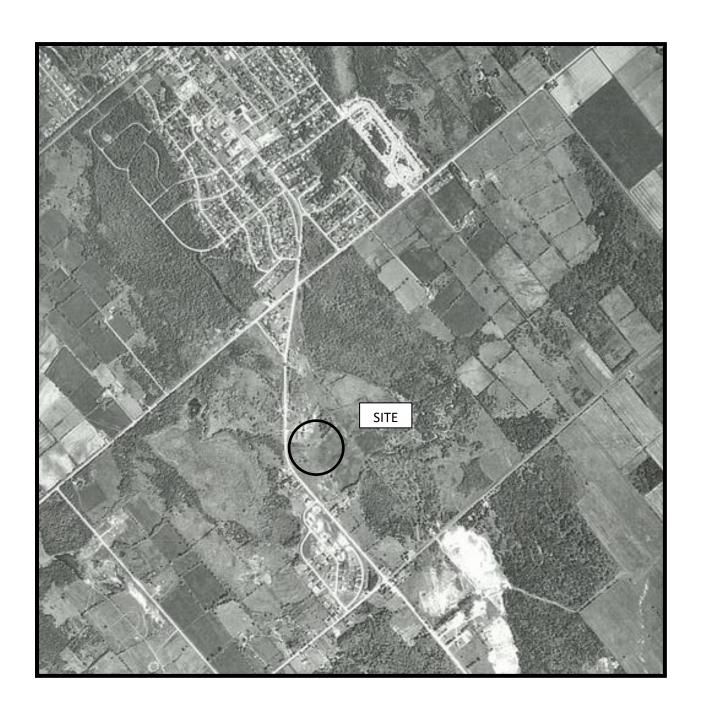
AERIAL PHOTOGRAPH 1967





AERIAL PHOTOGRAPH 1976





AERIAL PHOTOGRAPH 1984





AERIAL PHOTOGRAPH 1999





AERIAL PHOTOGRAPH 2007





AERIAL PHOTOGRAPH 2017





AERIAL PHOTOGRAPH 2022



1883 Stittsville Main Street, Ottawa, Ontario

June 4, 2024



Photograph 1: View of the northern portion of the Phase I Property, facing northeast from Stittsville Main Street.



Photograph 2: View of the north-central portion of the Phase I Property, facing south from the Phase I Property boundary.



1883 Stittsville Main Street, Ottawa, Ontario

June 4, 2024



Photograph 3: View of the northern portion of the Phase I Property, facing south, from Parade Drive.



Photograph 4: View of the northeastern portion of the Phase I Property, facing south.



1883 Stittsville Main Street, Ottawa, Ontario

June 4, 2024



Photograph 5: View of the southern portion of the Phase I Property.



Photograph 6: View of the southern portion of the Phase I Property, from the Fabella Street and Campolina Way Intersection.



APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH RESULT MECP WATER WELL RECORDS TSSA CORRESPONDENCE CITY OF OTTAWA HLUI SEARCH RESULTS ERIS DATBASE REPORT

Ministry of the Environment, Conservation and Parks

Corporate Services Branch 40 St. Clair Avenue West Toronto ON M4V 1M2

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

Direction des services ministériels 40, avenue St. Clair Ouest Toronto ON M4V 1M2



July 2, 2024

Vanessa Naufal Paterson Group 9 Auriga Drive Ottawa, Ontario K2E 7T9 vnaufal@patersongroup.ca

Dear Vanessa Naufal:

RE: MECP FOI A-2024-03728, Your Reference PE6592 – 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:

1883 Stittsville Main Street, Ottawa

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

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 Shannon Neita at shannon.neita@ontario.ca.

Yours truly,

Shannon Neita

for Josephine DeSouza Manager, Access and Privacy Office

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FORM NO. 0506-4-77 FORM 7

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The Ontario Water Resources Act WATER WELL RECORD

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WATER WELL RECORD

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WATER	WELL	RECO	RC
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Ontario Env	ironment		(11)	15192	31	15003	^۱ ۳۵۸	<i>(</i>	<u> [0,9</u>]
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY			CON . BL	DCK, TRACT, SURVEY	ETC		022"
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***	M 10 12	OG OF OVERBURDEN	24	ROCK MATERIA	LS (SEE INST	RUCTIONS			
GENERAL COLOUR	MOST	OTHER MAT				DESCRIPTION		DEPTH FROM	- FEET
	COMMON MATERIAL								É;
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Gray	Sand	Gravel			Packed			5	
Gray	Limestone				Medium			57	150
Gray	Limestone	-						150	155_
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Ř.	Capital	Water Supply	Ltd. 1558		SOURCE	<u> </u>	CONTRACTOR 59-62	T 3	128	4 ***
CONTRACTOR	ADDRESS); Stittsville,			O DATE OF INSPE	CTION	INSPECTOR	_		
TRA	NAME OF DRILL	ER OR BORER	LICENCÉ NUMBER	\dashv	S REMARKS		I			
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Well	Tag	No.	(Place	Sticker	and/or Print	Below)

Well Record

Ministry of Regulation 903 Ontario Water Resources Act the Environment Page Measurements recorded in: X Metric Imperial Well Owner's Information E-mail Address ☐ Well Constructed Last Name / Organization by Well Owner Cavanagh Construction Postal Code Telephone No. (inc. area code) Municipality Province Mailing Address (Street Number/Name) KOA 1BO 613 257 |2918 | Ontario Ashton Well Location Concession Address of Well Location (Street Number/Name) Township 22 1876 Stittsville Main Street Goulbourn Postal Code City/Town/Village County/District/Municipality Ontario Stittsville Ottawa Carleton Municipal Plan and Sublot Number Northing 5010289 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft General Description Other Materials General Colour Most Common Material From Well drilled May 11, 1998 Jim Walker Well Log # 183849 Results of Well Yield Testing Annular Space After test of well yield, water was: Recovery Type of Sealant Used Volume Placed Draw Down Depth Set at (m/ft) (m3/ft3) Water Level Time Water Level (Material and Type) Clear and sand free Time (m/ft) (min) Other, specify Bentonite 3/4" inch Hole Plug 0 53.3 Statio If pumping discontinued, give reason: (40 bags) 1 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Well Use Method of Construction 4 4 Public ☐ Not used Commercial Cable Tool Diamond Duration of pumping Jetting ☐ Domestic ■ Municipal Dewatering Rotary (Conventional) 5 5 Livestock Test Hole Monitoring Rotary (Reverse) Driving ☐ Irrigation Cooling & Air Conditioning Final water level end of pumping (m/ft) Boring Digging 10 10 Air percussion
Other, specify Industrial Other, specify 15 15 If flowing give rate (Vmin / GPM) Status of Well Construction Record - Casing 20 20 Open Hole OR Material Depth (m/ft) ☐ Water Supply Recommended pump depth (m/ft) Inside Wall (Galvanized, Fibreglass, Concrete, Plastic, Steel) Replacement Well 25 25 (cm/in) Test Hole Recommended pump rate (I/min / GPM) 30 30 Recharge Well Dewatering Well 40 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 Alteration (Construction) Yes No 60 60 Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back Outside Water Quality Depth (m/ft) Material (Plastic, Galvanized, Steel) Diameter X Abandoned, other, From (cm/in) specify Other, specify STITTSUILLE Water Details Hole Diameter Depth (m/ft) Water found at Depth Kind of Water: Fresh Untested Diameter (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Capital Water Supply Ltd. 5 5 8 Comments: Business Address (Street Number/Name) Municipality Box 490 Stittsville Province Postal Code Business E-mail Address office@capitalwater.ca Well owner's information Ministry Use Only K2S 1A6 Date Package Delivered Name of Well Technician (Last Name, First Name) Bus.Telephone No. (inc. area code) YYYYMMD package 5621 delivered 613 836 1766 Miller, Stephen Date Work Completed Technician and/or Contractor Date Submitted Yes Well Technician's Licence No. Signature X No 0 0 9 7 20100922 2010092

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Ontari	and Clima	the Environment te Change	Well Ta	ig No. (Place Sticker a	nd/or Print Below)	Regulation	903 Ontario V	ß	ources Ac
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		Annular Space				Results of We	encolor to a mention of the contract of the co	A 1 TH 1 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	1
Depth Set at (<i>m/ft)</i> From #To		ype of Sealant Use Material and Type)	d	Volume Placed (m³/ft³)	After test of well yield		Draw Dow		ecovery Water Lévi
MILE	Beat	WIF 18)	1=0111	1)49	ther, specify_		(min) (m/ft	1 [(ng/ft)
	97240		tion y the		If pumping discontinu	ed, give reason:	Static Level	7	<u>/</u>
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					Pump intake set at (n/ft)	2	2	
Method of C	`anetriction	va 189001111 1840 karattaa seessa	Well U	le standardardardardardardardardardardardardard	Pumping rate (Vmin /	GPM)	3 /	3	
Cable Tool	☐ Diamond	☐ Public	Comm	N. 4	Duration of pumping		4	4	
Rotary (Convention Rotary (Reverse)	al)	☐ Domestic ☐ Livestock	☐ Munici ☐ Test H		11 ' ' '	min	5	5	
Boring	Digging	☐ Irrigation		g & Air Conditioning	Final water level end	of pumping (m/ft)	10	10	
Air percussion Other, specify		\tag{\text{\tinx{\text{\ti}\text{\texi{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi\tinte\tint{\text{\ti}\text{\texi}}}\text{\text{\text{\text{\ti}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	y		If flowing give rate (Vr.	nin / GPM)	15	15	
	onstruction Rec			Status of Well			20	20	
Diameter Galvan	fole OR Material ized, Fibreglass,	Thickness	epth (m/ft)	Water Supply Replacement Well	Recommended pum	p depth (m/ft)	25	25	
(cm/in) Concre	te, Plastic, Steel)	(cm/in) From	- 10	Test Hole Recharge Well	Recommended pum	p rate	30	30	
				Dewatering Well	(I/min / GPM)		40	40	
				Observation and/or Monitoring Hole	Well production (I/min	r/GPM)	50	50	\
	, piriting			Alteration (Construction)	Disiplected?				$\overline{}$
				Abandoned, Insufficient Supply	Yes No		60	60	
Outside C	Construction Rec		epth (m/ft)	Abandoned, Poor Water Quality	Please provide a m		ell Location ng instructions	on the back	
	Material Galvanized, Steel)	Slot No. From	1 -	Abandoned, other,		1		1.10	()
				Unstruct	The second	Ve "	\ \ / / \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	MAKEL	N. A.
			+	Other, specify		30	~	F HIQU	dara
	Water Detai	ls		Hole Diameter		H.	3 // 🏕		JOK
***************************************		Fresh Untest	ted De From	pth (<i>m/ft</i>) Diameter		S.K.	3/1	M	
	as Other, speci- h Kind of Water:	Fresh Untest	- 1 Page	HA KA		TA M	11 16H	Stite	Me
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		and Well Technic			I DATE FARE	¥ //	11.	o to	
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ovince	Postal Code	Business E-mail	Address	Colell int	Well owner's Date	Package Delivere	ed M	inistry Use	Only
		e of Well Technicia	n (Last Name	, First Name)	information package delivered		Audit N	•. z 25	
1/5/24 C	X62(1 9)	17WION,	15/2	1	delivered Date	Work Completed			วกเก
	Signature o	Tèchnician and/or	John actor	A SUDMINITED STATES	I in	OFROA	Receive	FEB	ans 13 39
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The Ontario Water Resources Act R WELL RECORD

LOG OF OVERBURDEN AND BEDROCK IN MOST COMMON HATERIAL OTHER MATERIALS DWN Sand Boulders ay Sand Gravel & Boulders ay Limestone ay Limestone ay Limestone Where the state of the state	MATERIALS (SEE INSTRUCTIONS) GENERAL DESCRIPTION Packed Packed Medium Medium	
LOG OF OVERBURDEN AND BEDROCK I AL COLOUR COMMON MATERIAL DWN Sand Boulders ay Sand ay Sand Gravel & Boulders ay Limestone ay Limestone ay Limestone WATER RECORD COMMON MATERIAL OTHER MATERIALS OTHER	MATERIALS (SEE INSTRUCTIONS) GENERAL DESCRIPTION Packed Packed Medium Medium Medium	DEPTH - FEET FROM TO 1 10 5 50 5 5 4 16
LOG OF OVERBURDEN AND BEDROCK I AL COLOUR COMMON MATERIAL DWN Sand Boulders ay Sand ay Sand Gravel & Boulders ay Limestone ay Limestone ay Limestone White state is a second of the material of the ma	MATERIALS (SEE INSTRUCTIONS) GENERAL DESCRIPTION Packed Packed Medium Medium Medium	10 5 50 5 54 16
AL COLOUR COMMON MATERIAL OTHER MATERIALS DWM Sand Boulders ay Sand Gravel & Boulders ay Limestone ay Limestone OCIOCASIPTA DOSPEZSITE OCSPEZSITE OCSPEZSITES WATER RECORD (51) CASING & OPEN HOLE RECO	Packed Packed Medium Medium	10 5 50 5 54 16
Dwn Sand Boulders ay Sand Gravel & Boulders ay Limestone ay Limestone ay Limestone WATER RECORD (51) CASING & OPEN HOLE RECORD	Packed Packed Medium Medium	0 1 10 5 50 5 54 16
Sand Sand Gravel & Boulders Limestone Limestone OCIOCASIBITA DOSPAZZITE	Packed Medium Medium	10 5 50 5 54 16
Ay Limestone Ay	Medium Medium	50 5
Ay Limestone Ay Limestone DOIO 28/37/9 DOSP 228/9 DOSP 228/1/3 DOSP	Medium	54 16
Limestone OGIOCASIBITA DOSDAZSITA DOSHAZSIIVA DI INTERNATIONE WATER RECORD TO CASING & OPEN HOLE REC	Medium	
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WATER RECORD 51 CASING & OPEN HOLE REC	54 55 55 05 05 NING 21 22 01	
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WATER RECORD (51) CASING & OPEN HOLE REC	54 55 55 55 55 55 55 55 55 55 55 55 55 5	
	SIZE(S) OF OPENING 31-33 UI	5 75 IAMETER 34-38 LENGTH
DEPTI	CORD Z (SLOT NO)	INCHES
R FOUND KIND OF WATER INSIDE OAM MATERIAL THICKNESS FROM NOCHES	TO O O MATERIAL AND TYPE	DEPTH TO TOP 41-
10-13 1 2 FRESH 3 SULPHUR 1 2 SALTY 4 MINERAL 2 GALVANIZED 188	0 62 57	F
15-18 1 M FRESH 3 SULPHUR 19 3 CONCRETE 70 2 SALTY 4 C MINERAL 4 OPEN HOLE	61 PLUGGING & SE	CEMENT GROU
20-23 FRESH 3 SULPHUR 24 6 1 2	FROM TO MATERIAL 10-13 14-17	AND TYPE LEAD PACKER, E
25-28 t FRESH 3 SULPHUR 29 06 OPEN HOLE	27-30 18-21 22-25	
2 SALTY 4 MINERAL 2 GALVANIZED 30-33 GOORRETE	26-29 30-33 80	
Z SALTY 4 MINERAL 4 OPEN HOLE		
PUMPING TEST METHOD 10 PUMPING RATE 7 11-14 DUBANCH OF PUMPING 1 DUMP 2/18 BAILER GPM HOURS MINS	LOCATION OF WE	
STATIC WATER LEVEL 25 END OF WATER LEVELS DURING PROOVERY	IN DIAGRAM BELOW SHOW DISTANCES OF WE LOT LINE. INDICATE NORTH BY ARROW.	ELL FROM ROAD AND
19-21 22-24 15 MINUTES 30 MINUTES 45 MINUTES 60 MINUTES	00.#5	
0 40 100 10024-26 10029-31 100		
GIVE RATE GPM FEET 1 CLEAR 2 CLOUDY	1	
RECOMMENDED PUMP TYPE X PUMP SHALLOW DEEP RECOMMENDED PUMPING PUMPING FEET RATE A5-43 PARCOMMENDED PUMPING GPM	Lor	
0-53	207#31	
FINAL S4 1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY 2 OBSERVATION WELL 6 ABANDONED POOR QUALITY	E Via	
STATUS OF WELL OF WELL OSERVATION WELL OSERVATION WELL OBSERVATION WELL OBSERVATION WELL OBSERVATION WELL OBSERVATION WELL OBSERVATION WELL	Regle	
55-56 DOMESTIC S COMMERCIAL		_
WATER OF STOCK S MUNICIPAL 1 ISE OF STOCK S MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING	J. Rec.	0
OSL OTHER 9 NOT USED	18 X	
METHOD 4 2 ROTARY (CONVENTIONAL) 7 DIAMOND	The west	
OF 3 GROTARY (REVERSE) DETTING	West	1
DRILLING 1 " A 1601	DRILLERS REMARKS	
NAME OF WELL CONTRACTOR Constant Water Shorty Ltd. 1558	DATA 58 CONTRACTOR 59-62 DATE OF SOURCE	73 11 8
1	DATE OF INSPECTION INSPECTOR	
$ p_{-2} AOO = C+i++cville$. Ont. KOA 3GO $ 1 $	M REMARKS	

ATER WELL RECORD

Environment 1519542 1. PRINT ONLY IN SPACES PROVIDED 15003 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, CITY, TOV BLOCK, TRACT, SURVEY, ETC Conc. Goulbourn yr. <u>85</u> 04 1735 Courtwood Cres.; Ottawa, Ont. K2C 3H5_{DAY} <u>18</u> 09799 0410 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS DEPTH MOST COMMON MATERIAL GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION FROM то Gray Sand & Gravel Small Boulders 0 5 Sand & Boulders Gray 5 12 Sand Grav 12 47 Gray Limestone Medium Hard 47 170 (51) WATER RECORD **CASING & OPEN HOLE RECORD** SCREEN DEPTH KIND OF WATER FROM TO FRESH 3 SULPHUR SALTY 4 MINERAL ¹ 💢 STEEL ² 🗌 GALVANIZED 06 **0**160 0/4050 .188 1 | FRESH 3 | SULPHUR 1 CONCRETE **PLUGGING & SEALING RECORD** 61 4 OPEN HOLE 2 SALTY 4 MINERAL DEPTH SET AT - FEET ¹ □ STEEL MATERIAL AND TYPE 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 2 ☐ GALVANIZED

CONCRETE 50(0170 4 M OPEN HOLE

1 □ STEEL 1 FRESH 3 SULPHUR 2 2 SALTY 4 MINERAL GALVANIZED 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL CONCRETE OPEN HOLE 6556 LOCATION OF WELL 15-16 HOURS @ 1 [] PUMP 2 M BAILER 0010 GPM ATER LEVEL END OF PUMPING 22-24 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND 1 PUMPING RECOVERY WATER LEVELS DURING MINUTES MINUTES 26-28 29-31 32-34 120 FEET 120 FEET **Ø**15 📖 120 FEET 120 FE 120 1 CLEAR FEET RECOMMENDED PUMP TYPE RECOMMENDED 43-45 RECOMMENDED PUMP SETTING 150 EET PUMP ☐ SHALLOW DEEP WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY FINAL WATER SUPPLY
OBSERVATION WELL ABANDONED, POOR QUALITY
 UNFINISHED **STATUS** 3 TEST HOLE
4 RECHARGE WELL **OF WELL** DOMESTIC STOCK 5 COMMERCIAL MUNICIPAL WATER ☐ IRRIGATION PUBLIC SUPPLY USE DI INDUSTRIAL ☐ COOLING OR AIR CONDITIONING® [] OTHER 9 | NOT USED CABLE TOOL 150-170 BORING
DIAMOND
LETTING **METHOD** ROTARY (REVERSE) OF **DRILLING** ROTARY (AIR) ■ DRIVING AIR PERCUSSION 0-150 ¥ LICENCE NUMBER ONLY 1558 Capital Water Supply Ltd. 1558 USE (Box 490; Stittsville, Ont. KOA 3GO REMARKS OFFICE 04 1000 FORM NO. 0506-4-77 FORM 7 MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment

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0506 (07/00) Front Form 9

			1	2		•		10	14 15		22 23 24
County or District	1	····	Township/Bo		own/Villag	е		1	tract survey,		Lot 25-27
Ottawa C	arieton	•	Goulbo Address	ourn				9	Date		22 3 01 48-53
			64 Beav		k Lan		ta ON. K	2K 1L5 Basin Code	completed 2	day	month year
21	U T			Northing	لب	RC Eleva		Basin Code		 لــــــــــــــــــــــــــــــــــ	1114
1 2	10	LOG OF OV	ERBURDEN A	ND BEDRO	OCK MA					Da	-th foot
General colour	Most common materia	al	Other r	materials			General	description		From	pth - feet To
Brown	sand									0	10
Brown	sand									10	24
Grey	limestone									24	98
				. =							
		Note: ca	sing was	left 1	2" ab	ove gro	und leve	el at ti	me of dr	illi	ng.
			_								
31			للسال		ــــا ل				حنا ليل	سلل	البلبل
32	14 15 21		32] [<u></u>		ــــا لــــــ		75 8
41 WAT	ER RECORD Kind of water	Inside	ASING & OPE	Wall		n - feet	Sizes of o		ii-33 Diameter	34-38 Le	ength 39-40 feet
at - feet 70 10-13 1	□ Freeh ³ □ Sulphur ¹⁴	diam inches	Material Steel 12	thickness inches	From	To 30 13-16	(Slot No.)	and type			op of screen 3
2	☐ Salty 6 ☐ Gas	2 [3 [Galvanized Concrete	.100	U	30	ဖ				feet
1	Gresh 1 Salty 4 ☐ Minerals ☐ Salty 6 ☐ Gas	5 [☐ Open hole ☐ Plastic ☐ Steel			20-23		PLUGGING Annular space	& SEALING	RECOF	
	☐ Fresh 3 ☐ Sulphur 24 ☐ Minerals ☐ Salty 6 ☐ Gas	2 2 3	Galvanized Concrete		30	75	Depth set a	t - feet	erial and type (Ce		
25-28 1	□ Fresh 3 □ Sulphur 29	5 (Open hole Plastic			27-30	10-13	14-17			
20.33	Safty 6 Gas Sept. 3 Sulphur 34 60	2	☐ Steel 26 ☐ Galvanized ☐ Concrete ☐ Open hole		75	98	18-21	22-25			
	☐ Salty 6 ☐ Gas	5 3/4	Open hole Plastic			96	26-29	30-33 80			
Pumping test			Ouration of pumping	17-18 Mins	Γ		LOC	CATION OF	WELL		-
Static level	Water level	10GPM during 1 🛣 F		Recovery	10	In diagran	n below show orth by arrov	v distances v.	of well from re	oad and	lot line.
19-21) minutes 35-37			Heyf		O.C. #.	~ \	
S 11 feet	18 18 feet set	18 feet	18 _{feet}	18 feet						2	
If flowing give	GPM Fullip lilitake set	feet		Cloudy 46-49				~	0 C		
Recommended Shallow		70 feet	Recommended pump rate 5	GPM		(\frown	Urc	مدرد	§ .	
50-53					ļ	`				. 7	
FINAL STATU	upply 5 Abandoned		ly ⁹ D Unfinished			(Act	_e			\	
 2 ☐ Observa 3 ☐ Test hole 4 ☐ Recharge 	e ⁷ ☐ Abandoned		10 ☐ Replacem	ent well	Ι,	200	_	_			
WATER USE	·				W	\ \`\c\c\\	6		1	j	
1 M Domesti 2 Stock	ic 5 🗔 Commercial 6 🔲 Municipal		9 🗍 Not use			1/~		F	76	/	
3 ☐ Irrigation 4 ☐ Industria								1	1 - 1	29'/	
	CONSTRUCTION 57		11-7-						A		
	ool 75–98 (conventional) (reverse) 5	ion	9 ☐ Driving 10 ☐ Digging 11 ☐ Other				-			1	0000
4 🛱 Rotary (23	0230
Name of Well Con	ntractor		Well Contractor's	s Licence No.	> Da		58 Contractor		59-62 Date rece		63-68
	Water Supply Ltd	3.	1558		8	urce te of inspection	⊥1 5	58 Inspector	SEP	17	2001
Box 490	, Stittsville, C	N. K2S 1			USE						
Name of Well Tec			Well Technician		TRY	marks				CSS	.ES1

T0097 & T0086

S. Miller & P. Stanton

Ministry of the **Environment**

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10	14	15			22	23	24

0506 (07/00) Front Form 9

County or District		Township/ Goulbo	Borough/City/	Town/Village	9	Con blog	ck tract survey,	etc. L	ot 25-27 22
		Address 24 Mc	orning S	un Cr.	, Stittsvil	le, ON. K	Date 25 competed		08 01 month year
21	U I		Northing	, ,	RC Elevation	RC Basin Cod		iii	iv
1 2	10	G OF OVERBURDEN	AND BEDR	OCK MAT	rerials (see insti	ructions)			47
General colour	Most common material		er materials			neral description		Der From	oth - feet To
Brown	sand	stones						0	5
Brown	sand						-	5	24
Grey	limestone							24	100
									
				- -					-
								-	-
			-	1.1			1 11	<u> </u>	<u> </u>
31			<u> </u>	نبيال				<u></u>	<u> </u>
	14 15 21 51 ER RECORD 51	CASING & OI	PEN HOLE	RECORD		zes of opening	31-33 Diameter	34-38 Le	75 t
Water found at - feet	Kind of water di	nside iam Material	Wall thickness inches	Depth From	To III	Siot No.)	i	nches	feet
	☐ Fresh 3 ☐ Sulphur 14 ☐ 6	12 Steel 12 Galvanized	•188	0	30°-16	aterial and type		Depth at to	op of screen
91 ¹⁵⁻¹⁸ N	O'FresPES PS plphur 19	3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic				DI UCO"	G & SEALING	DECO	feet
2	Gas Gas Greeh 3 Gas Sulphur 24	17-18 1 Steel 19 2 Galvanized	-		20-23	X Annular spa	IG & SEALING	☐ Abando	
2	☐ Salty 6 ☐ Gas	_ 3 ☐ Concrete		30	75 From	m 1 10 1	aterial and type (Ce		
25-28 † 2	☐ Fresh 3 ☐ Sulphur 29 ☐ A ☐ Minerals ☐ Gas	24-25 1 Steel 26 2 Galyanized			27-30	0-13 0 14-17 0 8-21 22-25	Srouted-co	ement	(4)
	☐ Fresh 3 ☐ Sulphur 34 60 ☐ Salty 6 ☐ Gas 5	3 Concrete 4 Open hole 5 Plastic		75	100	6-29 30-33 80			<u></u>
			ina	·					
71 Pumping test	Bailer 10	GPM 15-16 Hours			In diagram below	LOCATION O show distance		oad and	lot line.
	end of pumping Water levels during	1 X Pumping 2 inutes 45 minutes 32-34	Recovery 60 minutes 35-37		Indicate north by	arrow.	Rd (O.C.	451
US 14 feet	20 feet 20 fee		20 feet				1		
If flowing give	rate 38-41 Pump intake set at	Water at end of ter	- 18						
Hecommended	pump type Recommended	43-45 Recommended pump rate	46-49		Bre	D Cou.	£		
☐ Shallow	TMDeep 7	O feet purify rate	5 дрм	\parallel (7-		W Ar
FINAL STATE		fficient supply ⁹ ☐ Unfinis	hed]			\		
1 □ k Vater su 2 □ Observa 3 □ Test hole	ation well 6 Abandoned, poor e 7 Abandoned (Other	r quality 10 🗆 Replac				re	'	1	
4 ☐ Recharg		·			Woods	, C		Lo	+ 2
WATER USE 1 ☼ Domesti 2 ☐ Stock		9 ☐ Not use 10 ☐ Other			Wood	5			
3 Irrigation 4 Industria	n 7 🗆 Public supply	_			(AC			T	
METHOD OF	CONSTRUCTION 57			1				1	
1 🙀 Cable to 2 🔲 Rotary (conventional) 5 🗷 Air percussion 6 🗆 Boring	9 ☐ Driving 10 ☐ Digging 11 ☐ Other	g				/		0000
3 ☐ Rotary (4 📆 Rotary (11 🗆 Other			_		/	23	0229
Name of Well Cor	ntractor	Well Contract	tor's Licence No.	> Dat			59-62 Date rec		63-68
<u>Capital</u>	Water Supply Ltd.	. 15	58	S Dat	te of inspection	L558	SEP	17	2001
Box 490	O, Stittsville, ON								
Name of Well Teo	er & P. Stanton	Well Technici T009	ian's Licence No 7 TOOS6	11201	marks			OSS.E	ES1
Signature of Toch	nnician/Contractor	Submission d							
100	7000		<u> </u>						7/00\ Empt For

Ministry of the Environment

The Ontario Water Resources Act WATER WELL RECORD

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	45		22 22 24

0506 (07/00) Front Form 9

		1 2	· · · · · · · · · · · · · · · · · · ·	10 5.8*	14 15	22 .23 .24
County or District		Township/Borough/City/To			ck tract survey, etc.	Lot 25-27
Ottawa Ca	28-47 First Name	Address			Date completed 27	08 01
	Zone Eastin	CAO Northing		93 Stittsvil		month year
21	M 10 12	17 18	24 25 26	30 31		47
		/ERBURDEN AND BEDRO	OCK MATERIALS (See instructions) General description		Depth - feet
General colour	Most common material	Other materials		General description	Fro	
Brown	sand & gravel				6	10
Brown	shale			-	10	
Grey	limestone					60 180
Grey & W	nite sandstone				*	00 100
31						ا لىلىل
32	14 15 21	32	43	<u> </u>	65	75 80
41 WATI	Inside	CASING & OPEN HOLE R	Depth - feet	Sizes of opening (Slot No.)	31-33 Diameter 34-38 inches	Length 39-40 feet
at - feet	Kind of water diam inches	Material thickness inches	From To 23116	(Slot No.) Material and type		at top of screen 30
2 [☐ Salty 6 ☐ Gas 2	☐ Galvanized ☐ Concrete				feet
170 15-18 N	☐ Salty 6 ☐ Gas 17-18 1	☐ Open hole ☐ Plastic ☐ Steel	20-23	61 PLUGGIN	G & SEALING REC	ORD
	☐ Fresh 3 ☐ Sulphur 24	☐ Galvanized ☐ Concrete ☑ Open hole	21 48	Denth set at - feet	aterial and type (Cement g	
	☐ Fresh 3 ☐ Sulphur 29 5	☐ Plastic ☐ Steel 26	27-30	21 0 G	routed-cemen	t (3)
20.23	Gas 2 3 Sulphur 34 60 F 5 4 3	☐ Galvanized ☐ Concrete	48 180	18-21 22-25 26-29 30-33 80	-	1011
2	☐ Salty 6 ☐ Gas		46 160			
71 Pumping test		Duration of pumping 15-16 17-18 Hours Mins	\	LOCATION O		
	Water levels during 1 X	Pumping 2 - Recovery	H-7 In diagra	am below show distance north by arrow.		nd lot line.
Static level	22-24 15 minutes 30 minutes 29-31 70 test 23 feet 20 feet	45 minutes 32:34 60 minutes 35:37 18 feet 16 feet	1-101	Hey Rd	(O.C. #5	\mathcal{L}
If flowing give	30.41	Water at end of test 42				
Recommended	GPM feet pump type Recommended 43-45	☐ Clear ☐ Cloudy Recommended 46-49		Brad C	عد	
☐ Shallow	Deep purnp setting 160 feet	pump rate			1/x	
FINAL STATE	JS OF WELL 54					
1 ₩ Water su 2 ☐ Observa 3 ☐ Test hole	ipply 5	ply ⁹ Unfinished 10 Replacement well		.se	F	5+ - 51
4 🗆 Recharg			1	56	22	
WATER USE	55-56 C 5 Commercial	9 ☐ Not use		oside cies	N. T.	
2 Stock 3 Irrigation 4 Industria	6 ☐ Municipal 7 ☐ Public supply	10	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	~	24	٦
	CONSTRUCTION 57					-
	ol 50-180 ⁵ Mr Air percussion	⁹ ☐ Driving ¹⁰ ☐ Digging			<u> </u>	
3 ☐ Rotary (reverse) / 🗌 Diamond	11 Other			2:	30232
Name of Well Con	ntractor	Well Contractor's Licence No.	> Data	58 Contractor	59-62 Date received	63-68 8
Capital	Water Supply Ltd.	1558	Data of inconcetts	1558	SEP 1	7 2001
Address Box 490	Stittsville, ON. K2S	186	n SE	n specior		
Name of Well Tec	hnician	Well Technician's Licence No.	Remarks			
S. Mille Signature Tech	nician/Contractor	TOO97 & TOO86 Submission date	Remarks		ာ	S.ES1
drawar	ra 11	day omo 8 yr Ol				

0506 (07/00) Front Form 9



Print only in spaces provided. 1532395 CON 19 Mark correct box with a checkmark, where applicable. 11 Township/Borough/City/Town/Village Con block tract survey, etc. Lot County or District Ottawa Carleton 9 Goulbourn 22 Date Address completed 15 10 01 K2S 1J3 24 Spindle Way, Stittsville. ON. day month yea 21 LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) Depth - feet General description Other materials General colour Most common material From 0 8 Brown soil stones 8 Brown shale 11 11 limestone 180 Grey Note: casing was left 12" above ground level at time of drilling 31 32 CASING & OPEN HOLE RECORD WATER RECORD Sizes of opening 41 (Slot No.) Wall thickness Depth - feet SCREEN Water found Kind of water at - feet Τo From Depth at top of screen Material and type NOTesTEST SHOPur 175-13 21'6 n 6 11/41 Steel
2 Galvanized .188 6 🗆 Gas Concrete
Open hole
Plastic 1 Fresh 3 Sulphur
2 Salty 6 Gas 15-18 **PLUGGING & SEALING RECORD** 61 1 Steel
2 Galvanized
3 Concrete 3 Sulphur
4 Minerals
6 Gas 1 🗌 Fresh Depth set at - feet Material and type (Cement grout, bentonite, etc.) 2 🗌 Salty 6 1/8³ Concrete
5 Plastic 21'6" 60 From To 3 Sulphur
4 Minerals
6 Gas 25-28 ď 1 🗆 Fresh 21 6 1 Steel 2
2 Galvanized
3 Concrete
4 Open hole
5 Plastic Grouted-cement (3) 2 | Salty 5<u>1</u>5 3 Sulphur
4 Minerals
6 Gas Sulphur 1 🗆 Fresh 30-33 60 180 16 2 G Saltv ion of pumping Pumping test method Pumping rat **LOCATION OF WELL** 1 🕱 Pump 2 🗌 Baile 16 GPM In diagram below show distances of well from road and lot line. Indicate north by arrow. 2 🗌 Recovery Water levels during end of pumping 45 minutes 32-34 19-21 15 minutes 26-28 30 minutes 29-31 60 minutes Brad PUMPING 19 feet 31 <u>feet</u> 36 33 35 36 476 Pump intake set at Water at end of test If flowing give rate ☐ Cloudy GPM ☐ Clear 486 43-45 Recommended pump type Recommended Recommended pump setting pump rate 150 5 ☐ Shallow Deep GPM 1-\wse FINAL STATUS OF WELL 1 M Water supply
2 □ Observation well
3 □ Test hole
4 □ Recharge well 9 T Unfinished Lot #6 **WATER USE** 55-56 5 Commercial
6 Municipal
7 Public supply
8 Cooling & air conditioning 9 | Not use 1 X Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial ACECS METHOD OF CONSTRUCTION 57 9 Driving
10 Digging
11 Other 230285 1558 Well Contractor's Licence No. ONLY NOV 27 2001 source Capital Water Supply Ltd. 1558 Date of inspection USE K2S 1A6 490, Stittsville, Ontario Box Name of Well Technician Well Technician's Licence MINISTRY S. Miller / S. Stanton T0097 /, T0086 088.**ES**1

day 16 mo 10 yr 01

Signature of Pechnician/Contracto

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0506 (11/98) Front Form 9

Ministry ⊗ Ontario WATER WELL RECORD of the **Environment** Print only in spaces provided. 1531695 15003 CON Mark correct box with a checkmark, where applicable. 11 County or District Township/Borough/City/Town/Village Con block tract survey, Goulbourn Address Date 21 LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) Depth - feet Other materials General colour Most common material From 7 broken roc 400 31 32 1111111 Sizes of opening (Slot No.) WATER RECORD **CASING & OPEN HOLE RECORD** Inside diam inche Water found Kind of water Material Depth at top of screen Material and type Steel
Galvanized
Concrete
Open hole
Plastic 188 D ≧ ☐ Salty PLUGGING & SEALING RECORD Gas 1 Steel
2 Galvanized
3 Concrete
4 Open hole
5 Plastic ☐ Sulphur ☐ Minerals ☐ Gas ¹ ☐ Fresh Depth set 2 🖸 Salty Material and type (Cerr 20 Clau ☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic 2 | Saltv Gas Sulphur
Minerals
Gas 1 ☐ Fresh 2 ☐ Salty 400 ration of pumping 15-16 Hours ... Pumping test method Pumping rate **LOCATION OF WELL** GPM ² 🗌 Baile ☐ Pump In diagram below show distances of well from road and lot line. Indicate north by arrow. end of pumping PUMPING TEST 56 feet If flowing give rate Cloudy
46-49 GPM ☐ Clear Recommended pump type pump rate **GPM FINAL STATUS OF WELL** Water supply
Water supply
Observation well
Test hole
Recharge well WATER USE Domestic Stock 9 Not use METHOD OF CONSTRUCTION 57 5 Air percussion
6 Boring
7 Diamond
8 Jetting 9 ☐ Driving
10 ☐ Digging
11 ☐ Other ... 222843 ONLY source JAN 0 3 2001 Date of inspection USE MINISTRY CSS.ES1

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The Ontario Water Resources Act WATER WELL RECORD

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Municipality	Con.	
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Address Pox 165 Removille Ontario RCG IJD Completed Pay 5 month Option RCG RC	County or District				Borough/City/		•			ck tract surve	ey, etc. Lot	
Cod of Overland Cod of Ove	Ottawa Car	rleton			Goulbou	ırn			1			22 48-53
LOG OF OVERBURDEN AND BERROCK MAYERIALS (see Instructions) Social Stones Social Stones Doy Social Stones Social Stones Social Stones Social Stones Social Stones Social Stones Doy Social Stones Social Ston					E Vom	willo.	Ontari	io ROG	1.70		1 Tay 5 mg	onth QQ year
Cooperation Most common methods Conserved absorption Conserved Most Common methods Conserved Most Co	04			BOX 16		<u> </u>				i ii	iii	iv
Brown Soil Stones Dey 0 3 Gray Shale Grey Linestone Green Layers Hedium 6 172 WATER RECORD Linestone Green Layers Hedium 6 172 WATER RECORD Linestone Green Layers Hedium 6 172 WATER RECORD Linestone Green Layers Hedium 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		т м 10			18							47
Great Core Medium School Scho			LOG OF O	VERBURDE	N AND BED	ROCK MA	TERIALS (see instruc	tions)		Dor	th feet
SCAL SLAND RECORD Secretary Lineartone Croon Layers Medium 6 172	General colour	Most common mate	erial	Oth	er materials			Genera	al description			
SCAL SLAND RECORD Secretary Lineartone Croon Layers Medium 6 172											0	3
STABLE	Broen	Soil		Stor	les			Dry				
WATER RECORD	Gray	Shale						Soft			3_	6
WATER RECORD	Grav	Limestone		Gree	n Lavei	:s		- Medi	um me		6	175
WATER RECORD Water Record Crist of water Count Crist of Wate												
WATER RECORD Water Record Crist of water Count Crist of Wate												
WATER RECORD Water Record Crist of water Count Crist of Wate												
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Water level Supply Water level Supply Water level during Particle Supply S	10 14 WAT	ER RECORD	51	CASING &	OPEN HOL	E RECOR	D	Sizes of			34-38 Leng	
Total State Stat	Water found			Material	thickness			Z (Slot No	·.)		inches	feet
Total State Stat		Fresh ³ Sulphur ¹⁴	- 40 10 A	Steel 12				Material	and type	I	Depth at top	of screen 30
Staty	170 2 0	Salty ₆ ☐ Gas	0 1/42	🗂 Galvanized	•100		22.5	Ō				feet
Substitute Subst								61	PHIGG	NG & SFALI	NG RECOR	D
Salty		Fresh 3 Sulphur 24	1 1 1	⊔ Steel			20-23		Annular spa			
Pumping set methods Sale			3	□ Concrete		22.5	175	<u> </u>	M	aterial and type (C	ement grout, be	entonite, etc.)
	1. 0	Fresh J Sulphur	16	Plastic				10-13	14-17	- And	Comont	(2)
Pumping test method Pumping rate 12 GPM 12 GPM 14 GPM 15 GPM		Gas Gas	2	☐ Galvanized			27-30	∠.1 ₁₈₋₂₁	V ₂₂₋₂₅ GE	outed -	CERETIC	(3)
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FINAL STATUS OF WELL State		pump setting	u			`		<u>ي. ن</u>	$\underline{}$	· P · ·	yaa	
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Capital Water Supply Ltd. Submission date Cass. Mailer Mail	FINAL STATUS	OF WELL				11	1		****	1 21	1	
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METHOD OF CONSTRUCTION Cable tool S	3 Irrigation	⁷ ☐ Public su	pply	□ Uther.			1			ŧ	1 1	
Cable tool Signature of Technician Signature Sig	⁴ ∐ Industrial	∘ □ Cooling &	can conducting]	I					
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Capital Water Supply Ltd. P.O. Box 490 Stittsville Ontario R2S 1A6 Name of Well Technician Well Technician's Licence No. S. Miller Signature of Technician/Contractor Submission date dayl 2 mo 5 yr98 Submission by 100 Stittsville Ontario R2S 1A6 Well Technician's Licence No. Submission date dayl 2 mo 5 yr98				□ Dther.							T020) 4 J
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The Ontario Water Resources Act

FORM NO. 0506 (11/86) FORM 9

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WATER FOUND	ATER RECORD	INSIDE DIAM MATERIA	WALL	DE	PTH - FEET		ERIAL AND TYPE		INCHES	FEE 41-44 3
10-13	FRESH 3 USULPHUR 14	INCHES	INCHES	FRO	M TO	SCR	ERIAL AND TIPE		OF SCREEN	FEET
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10 20 m	100st 75st	EET 100 EET 10	O FEET 100	5-37 FEET		,	Healey	Ang		
IF FLOWING,	38-41 PUMP INTAKE		AT END OF TEST	42 DY	<u>-</u>		Tarry	////		
IF FLOWING, GIVE RATE RECOMMENDED	PUMP TYPE RECOMMENDE PUMP	PEEI	IENDED 4	6-45		16	10'		1	
SO-53	OW DEEP SETTING	130 FEET RATE	5	GPM					a	
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OF WELL	SS-S6 1 DOMESTIC	9 DEWATERING	i	\dashv					7	
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USE	4 INDUSTRIAL OTHER		R CONDITIONING NOT USED			14	*			
METHOD	57 1 CABLE TOOL	€ ☐ 80				•	v			
OF	2	and the second s	TTING						102	16
CONSTRUC	S AIR PERCUSSION		GING OTHER		DRILLERS REMAR	RKS:			193	
1 1	LL CONTRACTOR		WELL CONTRACT LICENCE NUMBER	OR'5	DATA	50	CONTRACTOR 59	OATE RECEIV	T 0 1 19	387
ON SIGNATURE	tal Water Supply	; Ltd.	1558	\dashv	SOURCE DATE OF INSP	PECTION	NSPECTO			-
R NAME OF W	4904 Stittsville	e , Ontario. K	ON JELLY GECHNICI	'N'S	N AEMARKS					
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41 WATE	R RECORD	51 CASIN	IG & OPEN HO			SIZE(S) OF OPER	IING 31-	33 DIAMETER		IGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATER INCHES	INCHES	FRUM	TH - FEET	MATERIAL AND	TYPE	DEPTE OF SC	TO TOP	41-44 30
160 2 6	FRESH 3 SULPHUR SALTY 4 MINERALS 6 GAS	10-11 1 STEEL Z GALVAI 3 GCONCR			13-16		LUCCINC	& SEALING	PECOE	FEET]
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20.23	FRESH 3 SULPHUR 4 MINERALS 5ALTY 6 GAS	2 GALVA 3 GONCE 4 GOPEN	NIZED IETE HOLE			FROM 10-13	14-17			
25-28 1 2 2	SALTY 6 GAS	5 □ PLAST 24-25 1 □ STEEL 2 □ GALVA	26 NIZED	-	27-30	10-21	22-25			
30-33 1		3 □conci 4 □open 5 □plast	RETE HOLE			26-29	30-33 80			*
71 PUMPING TEST METHO	}	سر	ION OF PUMPING	17-18		LOCA	TION OF	WELL		
1 SE PUMP 2 STATIC LEVEL	WATER LEVEL 25 END OF WATER L	EVELS DURING	1 Pumping 2 RECOVERY	MINS	IN DIA	AGRAM BELOW SHO	W DISTANCES LORTH BY ARR	OF WELL FROM OW.	I ROAD AN	D
	22-24 15 MINUTES 26-2		MINUTES 60 MINE	35-37			1	1		r/
3 5 FEET SEET SEET SEED SEED SEED SEED SEED S	350 FEET / 00 FE		RAT END OF TEST	42					` ' (). D
RECOMMENDED PUMP	GPM PTYPE RECOMMENDE	D 43-45 RECO		46-49				<55 A>0		71
SHALLOW	DEEP PUMP SETTING	400 FEET RATE	5	GPM				T,		
	1 2 WATER SUPPLY	s ABANDON	ED, INSUFFICIENT SU	PPLY				250		٠
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OF WELL	1 PR DOMESTIC	DEWATER	NG .		8	Jonley Corner	p	:		
WATER	2 STOCK 3 IRRIGATION 4 INDUSTRIAL	# MUNICIPAL PUBLIC SUPP COOLING OR				Corner	<i>p</i>			
USE	OTHER		□ NOT USED							
METHOD	1 CABLE TOOL 2 ROTARY (CONVER	ITIONAL) 7 🗆	BORING DIAMOND			i				
OF CONSTRUCTIO	3 ROTARY (REVERS N 4/1 ROTARY (AIR) S AIR PERCUSSION		JETT!NG DRIVING DIGGING □ OTHEF	,	DRILLERS REMAR	PKS	. '	,	48	680
NAME OF WELL C		1	WELL CONTRAC	TOR'S	DATA	Sa CONTRACTO	on 1 %"	ATE RECEIVED	8 199	21 63-66 60
D ADDRESS	- Rocke Drill	ing G.LTD.	1//9		DATE OF INSP	ECTION L	19	JAN 1	0 13	וכ
NAME OF WELL	#2 Julpe	r Ont	WELL TECHNIC	IAN'S	O REMARKS					
& Rond	Kerr TEHNICIAN CONTRACTOR	SUBMISSIO	LICENCE NUM	7	OFFICE					
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21	ZONE EASTING	NORTHING RC.	26 30 31		1 1 1 1 1 1 1
	LOG	OF OVERBURDEN AND BEDROO	CK MATERIALS (SEE INSTRUCTIONS		
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPT		H - FEET
RED	SYND		PACKE	0'	5'
CREY	CLAY		L005		18'
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GREY	LIMESTON		BROI	KEN 32'	54'
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31				<u> </u>	<u> </u>
32	14 15	32	43 54 SIZE(S) OF OPENING	\$5. 31-33 DIAMETER 34-38	75 40 LENGTH 39-40
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	FRESH 3 SULPHUR 24	17-18	FROM TO	MATERIAL AND THE LEAD	PACKER, ETC I
	GAS FRESH 3 □ SULPHUR 29	4 □ OPEN HOLE 5 □ PLASTIC	810-13 37	110	
2 (SALTY 6 GAS	24-25 1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE		" PORTLAND	<u>) </u>
	☐ FRESH 3 SULPHUR 34 DU 4 ☐ MINERALS ☐ SALTY 6 ☐ GAS	4 DOPEN HOLE 5 DPLASTIC	26-29 30	BENS	EAL
PUMPING TEST ME	THOD 10 PUMPING RATE	11-14 DURATION OF PUMPING	LOCATI	ON OF WELL	
 	2 BAILER WATER LEVEL 25	30 GPM 6 15-16 17-18 MINS		ISTANCES OF WELL FROM ROA	DAND
STATIC LEVEL	END OF WATER LE	VELS DURING 2 RECOVERY .	LOT LINE INDICATE NOR	TH BY ARROW.	
TEST	26-28	29-31 9 32-34 3 35-37		20'	
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50-53					
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STATUS OF WELL	TEST HOLE	7 UNFINISHED	+	=	
	55-56 1 DOMESTIC	s COMMERCIAL		`	
WATER	2 STOCK 3 IRRIGATION	6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY		D	
USE	4 INDUSTRIAL OTHER	8 COOLING OR AIR CONDITIONING 9 NOT USED			
	57 1 S CABLE TOOL	€ □ BORING		•	
METHOD OF	3 ROTARY (REVERSE) □ DAITTAL □		<u>.</u>	
CONSTRUCT	ION 4 ROTARY (AIR) 5 AIR PERCUSSION	DIGGING OTHER	DRILLERS REMARKS	10	3215
NAME OF WELL	L CONTRACTOR	WELL CONTRACTOR'S	DATA SE CONTRACTOR	DATE RECEIVED	004
& M KAU	ANAGH & SON	WELL DRILLING 3142	SOURCE 314	L2 OCT 22 1	991
ADDRESS R	LZ CARLE	TON PLACE	O DATE OF INSPECTION		
ON THE OF WE NAME OF W	ELL TECHNICIAN MC N)	WELL TECHNICIAN'S LICENCE NUMBER			
SIGNATURE O	PTECHNICIAN/CONTRACTOR	SUBMISSION DATE	OFFICE		
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		OG OF OVERBURDEN	AND BEDRO	OCK MATERIAL	S (SEE INS)	TRUCTIONS)			
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41 WAT	ER RECORD	51 CASING &	OPEN HOLE	RECORD	SIZE (S)		1-33 DIAMETER	34-38 LENGTH	39-40
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RECOMMENDED PUM	GPM RECOMMENDS	7681	46-49					EX 2.	
SHALLOW		120 FEET RATE	5 GPM			ı	1	, A	
	54 D WAYER CURRY	ABANDONED, INSU	EFICIENT SUPPLY			41	1		
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OF WELL	4 RECHARGE WELL	☐ DEWATERING		4		11"	1		
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	57	■ BORING							
METHOD OF	CABLE TOOL CONVE	NTIONAL) 7 🗆 DIAMOND		\(\) >	•				
CONSTRUCTION		9 DRIVING	OTHER	DRILLERS REMAR	KS			1133	382
NAME OF WELL		WEL	L CONTRACTOR	3 012		NTRACTOR 59-62	DATE RECEIVED		63-64 6
	Water Supply		1558	SOURCE DATE OF INSPI	ECTION 1	L 558	JUN 0	2 1992	
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NAME OF WEL		LIC	ENCE NUMBER	→ REMARKS				·	
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The Ontario Water Resources Act WATER WELL RECORD

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0506 (07/94) Front Form 9

ounty or District		Township/Borough/City/T		Con block tract	survey, etc. Lot
		Address Goulb		Date	
		9 Valerie St.	Stittsvill	e,Ontario K2S 112 ^{ompi}	leted 31day 3 month 95
1	T	Northing	24 25 26	30 91	
2	LOG	OF OVERBURDEN AND BEDI	ROCK MATERIALS	S (see instructions)	Depth - fee
General colour	Most common material	Other materials		General description	From To
Di e ele	Clay	Sand		Wet	0
Black	Sand	Boulders		Wet	2 1
Brown		Clay & Boule	iers	Packed	14 3
Gray	Sand	Clay & Louis		Broken	30 3
Gray	Limestone				32 6
Gray	Limestone				
S8 NO	Fresh Gas Gas	Material thickness inches Material thickness inches M		Sizes of opening (Slot No.) Material and type PLUGGING & S Annular space Depth set at - feet From To Material and	Diameter Length inches Depth at top of scree feel SEALING RECORD Abandonment If type (Cement grout, bentonite
Pumping test m Pump Static level Offeet If flowing give r Recommended Shallow	Bailer 105 Water level water levels during 15 minutes 30 minutes arate 6 GPM Recommended pump type 15 OF WELL	feet feet feet Water at end of test feet Clear Cloudy Recommended pump rate feet 5 GPM	In diagr Indicate	LOCATION OF WELl cam below show distances of well e north by arrow.	from road and lot line.
	Abandoned (Uner e well	Replacement well Not used Other		PHIESS No House	153106
	Water Supply Ltd. x 490 Stittsville,	Well Contractor's Licence No. 1558 Ontario K2S 1A6 Well Technician's Licence No. T0096 Submission date	USE ONLY	T558	MAY 1 1 199

95 او 3 day 31 mo



The Ontario Water Resources Act

WATER WELL RECORD

Ontario	ironment "		1521297 MUNICIP	50%
CARLTO	2. CHECK S CORRI	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY,	15 22 73 74 EFC LOT 25:27
ATT A. /A	CADICTAN		9	22
		P.D. BOX	1150 STITTSVULLE	DAY 15 NO 48.53
Accesses and		NG RC	ELEVATION RC BASIN CODE	
1 2	LC	IG OF OVERBURDEN AND BEDRO		
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM TO
BROWN	SAND	GRAVEL	BOULDERS	0' 16'
GREY	LIMESTONE			16' 80'
BLACK	LIMESTONE	SHALE		80' 118'
		-		
31				
41 WA	TER RECORD	51 CASING & OPEN HOLE R	RECORD Z (SLOT NO)	0-33 DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS INCHES FRO	MATERIAL AND TYPE	DEPTH TO TOP 41.44 10 OF SCREEN
86	T FRESH 3 SULPHUR 18)' 24'	FEET
116	↑ FRESH → □ SULPHUR 19 □ SALTY + □ MINERAL	6 " 4 OPEN HOLE 2.	OFPTH SET AT - FEET	ATERIAL AND TYPE (CEMENT GROUT)
]] FRESH 3 SULPHUR *** SALTY 4 MINERAL	¹ ☐ GALVANIZED 3 ☐ CONCRETE	FROM TO	LEAD PACKER, ETC.)
] FRESH 3 □ SULPHUR ²⁹] SALTY 4 □ MINERAL	4 ☐ OPEN HOLE 24-25 : ☐ STEEL 26 2 ☐ GALVANIZED	27-30 18-21 22-25	
	☐ FRESH 3 ☐ SULPHUR ³⁴ ³⁰ ☐ SALTY 4 ☐ MINERAL	3 CONCRETE 4 OPEN HOLE	26-29 30-33 80	
71 PUMPING TEST NE	THOD 12 PUMPING RATE	11-14 DURATION OF PUMPING 1 5 15-16 17-18	LOCATION O	F WELL
STATIC LEVEL	WATER LEVEL 25 END OF WATER L	GPN HOURS MINS ' PUMPING EVELS DURING Z RECOVERY	IN DIAGRAM BELOW SHOW DISTANCES LOT LINE INDICATE NORTH BY ARI	
19-21 70	22-24 15 MINUTES 26-21	30 MINUTES 45 MINUTES 60 MINUTES		NET
	T 60 FEET 60 FEE			* TITSV
IF FLOWING, GIVE RATE	GPM. IMP TYPE RECOMMENDED	FEET 1 CLEAR 2 CLOUDY		5'''
SHALLOW	N. DEEP PUMP	85 FEET PUMPING 7 GPM		
	54 , WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPLY	_ /	
FINAL STATUS	2 OBSERVATION WELL 3 TEST HOLE		oc#5	FERN BANK R
OF WELL	a RECHARGE WELL S-56 DOMESTIC	÷ ☐ COMMERCIAL	29	·
WATER	2 STOCK 3 IRRIGATION 2 INDUSTRIAL	T MUNICIPAL T PUBLIC SUPPLY COOLING OR AIR CONDITIONING	1	
UJE	OTHER	> NOT USED	/	
METHOD	CABLE TOOL POTAGY (CONVENT			
OF DRILLING	3 ☐ ROTARY (REVERSE 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION) 4 DETTING 9 DRIVING	DRILLERS REMARKS	07428
NAME OF WELL		LICENCE NUMBER	DATA SE CONTRACTOR 59-62 C	DATE RECEIVED 636: 81
ADDRESS	ANAGH FOON	WILL DRUKING 3142	DETEROS INSPECTION INSPECTION	280487
ADDRESS NAME OF DRILL	12 PALETO	N PLACE LICENCE NUMBER	M NEMARS	
SIGNATURE OF	LE KAVANA	SUBMISSION DATE	OFFICE	
	1 Mirrings		0	FORM NO 0506—4—77 FORM 7

♥ Ontario

Ministry of the Environment

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

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Municipality 5003	Con.	1 1	1_	10	S	į
10	15			22 23	24	•

County or District	Carl	tou	-	Township/	Borough/City	Town/Villag	je		*	Con	DIOCK t	ract survey,	, etc. L	22.
				Address	+ 1	216	Sho i		/ /	41		Date completed	1	11 02
	//			Kamp	Northing	165 1	Barry Flev	vation	RC RC	Basii	n Code	ii	day ı	nonth year
21	<u> </u>	M 10	12	1 1 17	18	24	25 26		30	31		-		47
	1 1			VERBURDEN		ROCK MA	TERIALS (s	see ir		tions) al descrip	ntion		Dep	th - feet
General colour	Most	common materia	al /	Otrie 1	er materials	 · . · .	-		Gener	ar descrip	люн		From	To
	blas	ted no	ck/cl	sey									0	12
	Clay,	grave	el	V			<u> </u>						12	19
black	lime	slove	-										19	52
black /	brown	lines	tone		±								22	54
black	lime	slone	,		**								54	60
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31		لسا لا	1111	لحسا ك		عبا ك	<u> </u>	ىلى	ـــا لـــــــــــــــــــــــــــــــــ	Щ	44	حبا لِب	لبلب	البلب
32	14 15	21		32	<u> </u>	43			54		لبلب	65 65	24 20 1 :	75 B0
Water found	ER RECORI Kind of w		Inside	CASING & OF	Wall thickness		n - feet	EN	Sizes ((Slot N	of opening lo.)	31-30		34-38 Len	gtn 39-40 feet
at - feet	destel	Sulphur 14	diam inches	Material Steel 12	inches	From	To 13 6	SCREEN	Materia	al and type		<u> </u>	Depth at top	
15.10	Salty 6	Minerals Gas Sulphur 19	6 2	☐ Galvanized☐ Concrete	188	0'	26	S						feet
1 1	C C-15. 4 C	Minerals Gas	5	Open hole Plastic			20-23	61				SEALING		
	Colt. 4	Sulphur 24 Minerals	2	☐ Steel ¹⁹ ☐ Galvanized☐ Concrete				-	Depth se	☐ Annula t at - feet	1		Abandoni	ment pentonite, etc.)
26.20	□ Fresh 3 □	Gas Sulphur 29	5	Open hole Plastic				6	From ✓10-13	To -124-67	1/2	menal	g.co., .	,
20.22	□ Sarty _{6 □}	Minerals Gas Sulphur 34 60	2	☐ Steel 26 ☐ Galvanized ☐ Concrete			27-30		18-21	22-25		ner		
1 1	- F16511 4 D	Minerals Gas	4	☐ Open hole ☐ Plastic					26-29	30-33	80			
Pumping test	method 10	Pumping rate	11-14	Duration of pumpi	na	1								
71 Pumping test	Bailer Water level	25		Duration of pumpi			In diagrar	m bel	ow she	ow dista	N OF W	well from re	oad and lo	ot line.
	end of pumping	Water levels of 15 minutes 26-28	-		Go minutes		Indicate r	north	by arro	ow.				
	foot		//	//	//									:
State even		Pump intake set	l l	Water at end of tes									, postana	ļ
Hecommended	pump type	Recommended	feet	Clear Recommended	Cloudy 46-49							 -		·
Shallow 50-53	☐ Deep	pump setting	55 feet	pump rate	GPM GPM					í				
FINAL STATE	US OF WELI	54					Market .				· W	ال		
¹ Water su ² □ Observa	tion well	⁵ ☐ Abandoned,⁶ ☐ Abandoned,	poor quality	ply ⁹ ☐ Unfinish ¹⁰ ☐ Replace							• w	C 11		
3 ☐ Test hok 4 ☐ Recharg		AbandonedDewatering	(Otner)								_			
WATER USE	io	55-56 5 Commercial		9 ☐ Not use		<u> </u>		/						
2 ☐ Stock 3 ☐ Irrigation		6 ☐ Municipal 7 ☐ Public suppl	y	10 Other					,			/		
4 🗌 Industria		8 Cooling & ai						<i></i>				• .		
METHOD OF		CTION 57 5 Air percussion	on .	⁹ ☐ Driving										and the same of th
	conventional)	 ⁶ □ Boring ⁷ □ Diamond 		10 Digging				,				e i di i yane di kunyaki nga se	246	250
⁴ Rotary (a	air)	⁸ ☐ Jetting												35 9
Name of Well Con	ntractor	0 -		l l	or's Licence No.]	la irce	58 C	ontracto		_	-62 Date rece	ived	2002 800
Address /	vall 3	ctal		2552		l S L	te of inspection		2	55		שני	, , ,	
Name of Well Tec		lds Cor	new On		n's Licence No.	L OSE	marks		<u> </u>					
Mark	Dall			Tagas	?	MINISTRY								00
Signature of Tech	nician/Contractor	r		Submission da	ote 02	Ϊ́Ξ						CS	S.E	52
any u	ay			day mo	yr	ــــــا د	-							00) Front Form 9

FORM NO. 0506-4--77 FORM 7

The Ontario Water Resources Act

VATER WELL RECOR 1518633 1.5003 2. CHECK S CORRECT BOX WHERE APPLICABLE COUNTY OR DISTRICT TOWNSHIP, BOROUGH, CITY. TRACT. SURVE pulbourn Conc. 9 DATE COMPLETED _{DAY} <u>0</u>5 yr. 33 Healey Ave.; Stittsville, Ont. 0410 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST COMMON MATERIAL DEPTH - FEET GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION 9 Packed 0 Brown Sand Boulders Gray Sand Gravel & Boulders Packed 9 48 Gray Limestone Medium 48 150 31 9996881378 00482281113 015021578 32 41 WATER RECORD **CASING & OPEN HOLE RECORD** 51 SCREEN DEPTH KIND OF WATER WALL THICKNESS INCHES MATERIAL AND TYPE 1 M FRESH 3 SULPHUR
2 SALTY 4 MINERAL 31401 06 2 GALVANIZED **00**50 CONCRETE
OPEN HOLE 188 FRESH 3 | SULPHUR 4 0 **PLUGGING & SEALING RECORD** 2 SALTY 4 MINERAL DEPTH SET AT . FEET I 🖸 STEEL MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) 0150 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL FROM ₹ [] GALVANIZED 3 CONCRETE
4 OPEN HOLE 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 1 🗌 STEEL 2 GALVANIZED 3 CONCRETE 1 ☐ FRESH 3 ☐ SULPHUR 30-33 2 SALTY 4 MINERAL 4 - OPEN HOLE **'00**10 LOCATION OF WELL 15-16 OO 1 **🗆** PUMP 2 X BAILER IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND PUMPING PECOVERY STATIC WATER LEVELS DURING INDICATE NORTH BY ARROW Stanley **D**15 **©**50 O 509-31 IF FLOWING PUMP 2 CLOUDY RECOMMENDED RECOMMENDED PUMP TYPE

CONTROL

SHALLOW

DEEP 090 90 RECOMMENDED FEET - X 5 ABANDONED, INSUFFICIENT SUPPLY FINAL ABANDONED POOR QUALITY 2 G OBSERVATION WELL **STATUS** , UNFINISHED OF WELL 4 | RECHARGE WELL 1 DOMESTIC 5 COMMERCIAL z STOCK 6 MUNICIPAL WATER 7 PUBLIC SUPPLY USE Of 4 🔲 INDUSTRIAL COOLING OR AIR CONDITIONING [] OTHER 9 🗆 NOT USED Conce CABLE TOOL 6 BORING **METHOD** 7 DIAMOND ROTARY (CONVENTIONAL) Conc 9 3 ROTARY (REVE ROTARY (REVERSE) DRILLING / 9 DRIVING AIR PERCUSSION CONTRACTOR 1558 Capital Water Supply Ltd. 1558 DATE OF INSPECTION OFFICE USE 490: Stittsville, Ont. KOA 3GO REMARKS

MINISTRY OF THE ENVIRONMENT COPY

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15M Sets 60-5930

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Nº.

Elev. 4R 014110 The Ontario Water Resources Commission Act

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22				ECURI		h.⇔. ~. ⊐
County or District Care	ctor	<i>f</i>	Township, \	leted	Jon	/ مُ مِنَ (
	N V		ess	Stittsvill	E Cint.	year)
Casing and So					nping Test	
Inside diameter of casing	4"		Static lev	el	191 5	
Total length of casing	<u> </u>		Test-pum	ping rate	6 90'	G.P.M
Type of screen			Pumping	level	£ 20°	
Length of screen				of test pumping	· ź h:	Plane
Depth to top of screen			. Water cl	ear or cloudy at	end of test	
Diameter of finished hole	<i>f</i>		Recomm	ended pumping	rate 5 f 20'	G.F.IV
			with	pumping level o	it20	
Well	Log			Wo	nter Record	1
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)
C market are	we)	0	25			
Coanse gre		13.7	12	65	Ly	Fresh
Fray Line	stone	25	(0.)	<i>G</i> ./		
				1		
			<u> </u>	1	ation of Well	
For what purpose(s) is the wat						-C N
house		• • • • • • • • • • • • • • • • • • • •		• • •	w show distances ne. Indicate nor	
Is well on upland, in valley,	or on hillside	·?		road and lot in	ie. maicate nor	 0,
hillsi	de	.,			•	
Drilling Firm F	park	<u> </u>				
Address St.	Havil	A On	4			
Address	(i.b.i.di.i.ashidadi.bii.abid	المهادا المحساء المسادر المسادر			- 50'	
					1	1
Licence Number						·3
Name of Driller C/q	y 4017	H. Spar	1/15		,** !**	
Name of Driller C/q	54,4	sville (id	The state of the s		
7 3	1 /	961		# 15 r	twy	STAN,
Date	- ha	<i>y</i>		7117	,	STANILY
(Signature of Licensed	Drilling Contract	etor)				
v						
			1		was a	Made and the second sec



The Ontario Water Resources Act

(B)	b W	TER	WEL	L RE	ECC	RD	5	1 4/4e	_
Ontario		PACES PROVIDED ECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, 0		151385	10	K, TRACT, SURVEY.	13	Lor	0.9 23.24 25-27
COUNTY OR DISTRICT		2	lbour	844	1.00	1× 1×	DATE COMPLETE	D 48-53	3
		09	am /J	ELEVATION 412	RC. BASI	n codf 26 Al	"	1977	303
191302	Most	OTHER		K MATERIAL	S (SEE INSTRI			DEPTH - FEET	
GENERAL COLOUR	COMMON MATERIAL	OTHER	MATERIALS					A 0	
	grave	/		Coar	DR C	grav	el	0 2	긔
				gra	y le	mest	me !	13 7	9
						1			
31 000	2 2 2 1	dais]	
32	14 15	32		43	54 SIZE(S) OF	OPENING	65 31-33 DIAMETER	75 34-38 LENGTH	39-40
MATER FOUND AT - FEET	ATER RECORD	INSIDE DIAM MATERIAL		DEPTH - FEET	MATERIAL O	AND TYPE	DE OF	INCHES PTH TO TOP 41 SCREEN	FEET
30 70 2 15-18 1	FRESH 3 SULPHUR 19 2 SALTY 4 MINERAL 1 FRESH 3 SULPHUR 19	04 10 1 1 1 STEEL 2 ☐ GALVANI 3 ☐ CONCRE	TE	2 9-5"	σ 61	PLUGGIN	3 & SEALIN	IG RECORD	FEET
20-23 1	2	4 ☐ OPEN HG 17-18 1 ☐ STEEL 2 ☐ GALVAN 3 ☐ CONCRE	19 IZED	20-23	FROM 10-13	TO 14-17	MATERIAL AND TY	PE LEAD PACKER, E	
2	1 FRESH 3 SULPHUR ²⁹ 2 SALTY 4 MINERAL 34	4 OPEN H: 24-25 STEEL 2 GALVAN	Z6 IZED	27-30	18-21	22-25			
	1	3 GONGRE 4 OPEN H	OLE		LO	CATION C) F WELL	2809	
PUM STATIC LEVEL	WATER LEVEL 25	005 GPM	15-16 17-18 HOURS MINS PUMPING RECOVERY	. IN DIA	AGRAM BELOW	SHOW DISTANCE	S OF WELL FR	OM ROAD AND	
14 014	22-24 15 MINUTE	5-28 0 1 C 29-31 0 1	1 STATE 60 MINUTES 32-34 35-37 5 FEET 5 FEET		10		- H	ERE	
IF FLOWING, GIVE RATE	38-41 PUMP INTAK GPM D PUMP TYPE RECOMMEND	45	CLEAR 2 CLOUDY	No.			7 %		
☐ SHAL	PUMP	045 FEET PUMPING	000 5 GPM	Cal				- N	
FINAL STATUS	I 9 II ORSERVATION W			TAINT			\		_
OF WEL		S COMMERCIAL 6 MUNICIPAL		31			1	(
WATER USE	3 IRRIGATION 4 INDUSTRIAL OTHER	7 PUBLIC SUPPLY 8 COOLING OR AIR 9 1	R CONDITIONING				West		
метно			AMOND				,	EAS.	57
OF DRILLIN	3 ROTARY (REVER	9 🗆 DRI	IVING	DRILLERS REMAR		<u> </u>	TTSV	TLLE	63-68
1 2	VELL CONTRACTOR	arks,	LICENCE NUMBER 4847	DATA SOURCE DATE OF INSI	PECTION	-847	110	2 64	
CONTRACTOR NAME OF D	main ST,	Stalls	LICENCE NUMBER	EMARKS:	ict 75°	P)	/ R. D.	-γ ^t -	
SMATURE SMATURE	OF CONTRACTURE	SUBMISSION DAY	DATE TO T	9 9			CS7.73		
MINISTR	Y OF THE ENVIR		1.00	7.7			(1 - 85	FORM 7	07-0

FORM NO. 0506-4-77

The Ontario Water Resources Act 31 G4e

क्र	Ministry of the	WA	T	ER V	VI	ELL R	RECO	RD
ري	Environment			51792				
Ontario	2. CHECK 🗵 CORF	SPACES PROVIDED RECT BOX WHERE APPLICABLE				15.003 BLOCK TRACT SURVEY ETG	CON.	O.9 12 23 24 LOT 25.27
OUNTY OR DI	STRICT	TOWNSHIP, BOROUGH CITY, TOWN, VILLAGE			2011	Conc. 9		D 22
				F • S+	itts		TE COMPLETED AY 20 MO 05	YR 82
		Healey Ave	Rc 	O410	4			iv l
	M 10 12	OG OF OVERBURDEN AND BEDF	ROCK	26	30	31		47
GENERAL CO	TROM	OTHER MATERIALS			GENEF	RAL DESCRIPTION	FROM	FEET
	COMMON MATERIAL	C		Paci		, algebra and leading to the design of the	0	24
Brown	Sand Sand	Gravel Boulders		Pac			24	25
Gray Gray	Limestone			Med			25	110
Gray	nimes corre							<u> </u>
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							J. Prince	
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		to the state of th	1.1		1 1	1 11.1.1.		. 1 . 1 1
32	60246281179 003	252281379 0111921578	. L	<u> . </u>			<u> </u>	
(41)	WATER RECORD	(51) CASING & OPEN HOL	E RE	CORD	Z SIZI	54 E(S) OF OPENING 31-3 OT NO)	65 3 DIAMETER 34-38	75 BC
WATER FOUL	ND KIND OF WATER	INSIDE WALL THICKNESS THICKNESS		PTH · FFET	H H	TERIAL AND TYPE	INCHES DEPTH TO TOP OF SCREEN	41-44 30
0093	0-13 1 X FRESH 3 SULPHUR 14	INCHES INCHES	=======================================	13-16	SC		OF SCREEN	FEET
15	5-18 1 K FRESH 3 SULPHUR 19	G 1 CONCRETE 188	(0027	61		SEALING REC	
0101	2 SALTY 4 MINERAL 23 1 FRESH 3 SULPHUR 24	417-18 1 71 775 74 19	21	7 0110	DEPT	H SET AT - FEET MAT		MENT GROUF PACKER ETC
25	2 SALTY 4 MINERAL 5-26 1 FRESH 3 SULPHUR 29	CONCRETE 16 + TO OPEN HOLE				10-13 14-17		
ļ	2 SALTY 4 MINERAL	7 C GALVANIZED		27-30		18-21 22-25 26-29 30-33 80		
	1 FRESH 3 SULPHUR 34 2 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE			<u> </u>			
61711V	NG TEST METHOD 10 PUMPING RA	. 15-16	-18			LOCATION OF	WELL	
Si	TATIC WATER LEVEL 25 END OF WATER	R LEVELS DURING	145	IN DIA		ELOW SHOW DISTANCES ON NOTICATE NORTH BY ARRO	OF WELL FROM ROAD OW:	AND
TEST	EVEL PUMPING 19-21 22-24 15 MINUT	ES 30 MINUTES 45 MINUTES 60 MINUTE	.5 5-37		*23	Conc. 8		
	7 7221 0 0 0		EET 42		ک			
API CIVE R	GPM GPM	FEET 1 💢 CLEAR 2 🗆 CLOU		Stan	e 5	Conc.	7 .	
S RECOM	MENDED PUMP TYPE RECOMMEN PUMP SETTING	PUMPING	6-49 GPM	Or,	` \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		•	
50-53					3	9 >		
	NAL 1 WATER SUPPLY 2 OBSERVATION V		LY		*	•	•	
	ATUS 3 TEST HOLE WELL 4 RECHARGE WEL	7 🗍 UNFINISHED LL			\aleph	11 1 O.v.	ـــر ــ	
	55-56 1 DOMESTIC 2 STOCK	5 COMMERCIAL 6 MUNICIPAL			4	Healey Ave	the same	
	ATER 3 IRRIGATION JSE 01 4 INDUSTRIAL	7 DUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING			//	1881		
	OTHER -	9 NOT USED	\dashv	,	//-	28'3"	. 	
	THOD 2 GABLE TOOL 2 GROTARY (CONV							
	OF 3 ROTARY (REVE 4 ROTARY (AIR) 5 AIR PERCUSSIO	9 🔲 DRIVING		DRILLERS REMAR	RKS			
NAME	E OF WELL CONTRACTOR	LICENCE NUMBER	\dashv	DAYA			TE RECEIVED	63-68
	apital Water Su	ipply Ltd. 1558		SOURCE DATE OF INSP	PECTION	1558	5 10	82
151		rille, Ont. KOA 3GO		H S REMARKS			1	

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

FORM NO. 0506-4-77 FORM 7

MINISTRY OF THE ENVIRONMENT COPY

WATER WELL RECORD

1518642 1. PRINT ONLY IN SPACES PROVIDED **(11)** 15003 CON 2. CHECK X CORRECT BOX WHERE APPLICABLE COUNTY OR DISTRICT TOWNSHIP, BOROUGH, CITY, TO Ottawa-Carleton
(SURNAME FIRST) 28-47 Goulbourn Conc. ADDRESS Building Master Ltd. 1735 Courtwood Dr.; Ottawa, Ontario 10 83 (21) 18 428399 500,969,9 0410 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION FROM Brown Sand Packed 0 16 Gravel & Boulders Gray Sand Packed 16 35 Gray Sand **Gravel** 39 Packed 39 165 Gray Limestone 001/46281116 003522879 00392281179 0165215 WATER RECORD (51) CASING & OPEN HOLE RECORD X KIND OF WATER DEPTH 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 1 STEEL
2 GALVANIZED
1 CONCRETE
4 OPEN HOLE 10-11 188 4 C1621 n $\alpha^{\overline{4}}$ 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL **PLUGGING & SEALING RECORD** 165 DEPTH SET AT - FEET 1 🗍 STEEL FRESH 3 SULPHUR 2
SALTY 4 MINERAL MATERIAL AND TYPE FROM CONCRETE 0163 1 DPEN HOLE 3 SULPHUR FRESH Z SALTY 4 MINERAL 2 GALVANIZED 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 3 CONCRETE 30-33 MPING TEST METHOR PUMPING RATE 8 11-14 THON OF PUMPING LOCATION OF WELL 1 PUMP 2 | BAILER PUMPING
602 TRECOSPINA
45 MINUTES 60 MI WATER LEVELS DURING IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. END OF BUMPING 22-24 18 60 IS MINUTES PUMPING TEST 060 FEET O 60.EET Healey Alv. West 125 1 CLEAR FEET RECOMMENDED SHALLOW DEEP WATER SUPPLY . . S ABANDONED, INSUFFICIENT SUPPLY **FINAL** OBSERVATION WELL OF WELL 3 3 1 TEST HOLE
4 | RECHARGE WELL 7 UNFINISHED S COMMERCIAL 1 DOMESTIC 6 MUNICIPAL
7 PUBLIC SUPPLY 2 STOCK
3 RRIGATION WATER USE 04 9 🗆 NOT USED Z ROTARY (CONVENTIGNAL 165 DIAMOND

D ROTARY (REVERSE)

ROTARY (AID.) METHOD DRILLING 4 | ROTARY (AIR)
5 | AIR PERCUSSION DRILLERS REMARKS NAME OF WELL CONTRACTOR 1558 DATA SOURCE ONLY 1558 Box 490; Stittsville, Ont. DATE OF INSPECTION W. Kavanagh / C. Sparks OFFICE USE REMARKS)day <u>28</u> 10 vr.8

Environment Ontario	SPACES PROVIDED ECT BOX WHERE APPLICABLE 1 2	519071	MUNICIP 0,0,3	B CON.	1 09
OUNTY OR DISTRICT	TOWNSHIP, BOROUGH CITY, TOWN VILLAGE		CONC.	DATE COMPLETED	25-27 222 44-53
	RC.	; Ottawa, Ont.	BASIN CODE	DAY_18MO	07_ vr. 84
M 10 12	59.699 4	<u>6410</u>	2,6		1 1 1 47
. 1514	OG OF OVERBURDEN AND BEDROO			DEP	TH - FEET
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS		RAL DESCRIPTION	FROM	. 10
Gray Sand	Boulders	Packed		25) <u>25</u> 5 150
Gray Limestone		<u>Medium</u>			130
}		Y	r		
				3 1	
		A CONTRACTOR OF THE CONTRACTOR			
	4.3.		1.		
@ 1025122813179 1015	6021578				ا لىلىا
32	32	43	54 ZE:S) OF OPENING	65 31-33 DIAMETER 34-	75 0 38 LENGTH 39-4
WATER RECORD	1 INSIDE 1 WALL	RECORD Z (S	SLOT NO I	INCHE	
AT - FEET	DIAM MATERIAL THICKNESS FRO	υ το υ Μ 13-16 Ο Μ	ATERIAL AND TYPE	DEPTH TO T OF SCREEN	FEET FEET
951 2 SALTY 4 MINERAL 15-18 1 SULPHUR 15	GALVANIZED 188	00 28	PLUGGI	NG & SEALING RE	CORD
01461 2 SALTY 4 MINERAL 20-23 1 FRESH 3 SULPHUR 24	17-18	20-23 DEP	TH SET AT - FEET		CEMENT GROUT AD PACKER, ETC)
2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	O6 CONCRETE XOPEN HOLE	28 0150	10-13 14-17 18-21 22-25		
2 SALTY 4 MINERAL 30-33 1 FRESH 3 SULPHUR 34	24-25		26-29 30-33 8	0	
2 SALTY 4 MINERAL	OPEN HOLE			OF WELL	
71 PUMPING TEST METHOD 19 PUMPING RA	15-16 17-18 17-18 17-18 17-18 17-18	SIASPAN S	LOCATION	CES OF WELL FROM ROA	AD AND
LEVEL PUMPING	LEVELS DURING 2 RECOVERY 1 SO MINUTES 45 MINUTES 60 MINUTES	LOT LINE.	Corc 8	ARROW.	
F	S 30 MINUTES 45 MINUTES 60 MINUTES 0-1-28 29-31 32-34 35-37 FEET 010FEET 050 FEET 050FEET		Conc 9		
TECOMMENDED PUMP TYPE RECOMMENDED PUMP TYPE	WATER AT END OF TEST 42		Conci	λ	\mathcal{F}
RECOMMENDED PUMP TYPE RECOMMENT	DED 43-45 RECOMMENDED 46-49 PUMPING				*
SO-53	875 FEET RATE 0005 GPM	1			
FINAL 1 DWATER SUPPLY 2 OBSERVATION W	5 ABANDONED, INSUFFICIENT SUPPLY VELL 6 ABANDONED POOR QUALITY	1 1 /			
STATUS J TEST HOLE OF WELL A D RECHARGE WEL	7 UNFINISHED) ;		
55-56 1 □ ¥DOMESTIC 2 □ STOCK	5 COMMERCIAL 6 MUNICIPAL	15	١-٦٠٠/١٩٩	Healey	2
WATER 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL	7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING 9 NOT USED		177	. -	ş
57 1 D CABLE TOOL			sold strage.		
METHOD 2 X ROTARY (CONV	RSE) • 🔲 JETTING				
DRILLING 4 ROTARY (AIR) 5 AIR PERCUSSIO	9 DRIVING In	DRILLERS REMARKS			
NAME OF WELL CONTRACTOR	LICENCE NUMBER	DATA SOURCE DATE OF INSPECTION	58 CONTRACTOR 59	"0°7"08	84
Capital Water Suppl Box 490; Stittsvill NAME OF DRILLER OR BORER 1. Moore/W. Kavanac SIGNAJURE OF CONTRACTOR		DATE OF INSPECTION	INSPECTO	R	
Box 490; Stittsvill		REMARKS.			
	SUBMISSION DATE) FFICE	***************************************		
MINISTRY OF THE E	NVIRONMENT COPY	<u> </u>		FORM NO	D. 0506—4—77 FOR

Measurements recorded in: X Metric Imperial

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

A102303

A102303

Well Record

tion 903 Ontario Water Resources Act

Page

Address of \	Well Location	on (Street Num	nber/Name)		Т	ownship			Lot	(Concessio	n	
18 Bra						oulbour			22	Province	9	Poets	l Code
County/Dist Ottawa						Oity Torris Tillago					rio	Posta	
UTM Coordin			No	rthing	Mark the second second	Iunicipal Plar		ot Number		Other			
NAD				500989							-		
Overburde General Co		drock Materia Most Comm	77777777	nment Se		rd (see instrue er Materials	ctions on the	back of this form) Gener	al Description	23230			oth (<i>m/ft</i>)
					Odi	or waterials						From 0	3.35
Brown		and & St	ones									100113	1 1 1 1 1 1 1 1
Grey L	imesto	ne										3.35	45.10
Depth Se	et at (m/ft)	GERMAN	Annular Type of Sea			Volume	Placed	After test of well yield, v	vater was:	-	d Testin aw Down		Recovery
From	То		(Material an			(m³	/ 11 3)	Clear and sand fr		Time (min)	Water Le	_	Water Level
6.40	0	Grouted	Cement			.21m	13	Other, specify If pumping discontinue	d give reason:	Static	400		linky
										Level 1	10.55		1/ //
								Pump intake set at (m	2/91		10.64		14.44
								30.47	***	2	10.86	5 2	14.17
Meth	nod of Co	nstruction		Helisan	Well Us	e	37733334	Pumping rate (I/min /	GPM)	3	11.08	3 3	13.88
Cable To		Diamond			Comme	_	Not used	54.6 Duration of pumping		4	11.3	3 4	13.66
Rotary (C			LXI Do	mestic estock	☐ Municip☐ Test Ho		Dewatering Monitoring		nin	5	11.5	3 5	13.43
Boring		Digging	☐ Irrig		☐ Cooling	& Air Condition	ACCOUNT OF THE PARTY OF THE PAR	Final water level end of	f pumping (m/ft)	10	12.8	3 10	12.49
☐ Other, sp				lustrial ner, specify				14.91 If flowing give rate (I/n	nin / GPM)	15	12.98	3 15	11.79
section.	Co	nstruction R	ecord - Cas	-	ta esta esta esta esta esta esta esta es	Status	of Well	, , , , , , , , , , , , , , , , , , , ,		20			11111
Inside Diameter		e OR Material ed, Fibreglass,	Wall Thickness		h (<i>m/ft</i>)		2015.25	Recommended pump	depth (m/ft)	25	13.40	,	11.
(cm/in)	Concrete,	Plastic, Steel)	(cm/in)	From	То	☐ Test Ho	le	22.85 Recommended pump	rate		13.8		10.70
15.86	St	eel	.48	+.45	6.40	Recharg		(I/min / GPM) 45.5		30	14.0		10.49
						Observa Monitori	ition and/or	Well production (I/min	/ GPM)	40	14.4	4 40	
						☐ Alteration	n	Disinfected?		50	14.7	50	
						(Constru	ned,	X Yes No		60	14.9	1 60	
	C	onstruction R	ecord - Scre	een	HANNE	Insuffici	ent Supply ned, Poor		Map of W				
Outside Diameter		laterial Ilvanized, Steel)	Slot No.	Dept	h (<i>m/ft</i>)	Water 0	Quality ned, other,	Please provide a map	below following	instruct	tions on th	back.	,
(cm/in)				11011	10	specify						1	N
						Other, s	specify						,,
Water foun	d at Denth	Water Det Kind of Wate		Y I Intester		th (m/ft)	Diameter		10				
		Other, spe		Ajontestee	From	То	(cm/in)	1	BRAD'S	Cour	27)
Water foun	d at Depth	Kind of Wate	r: Fresh	Untested	0	6.40	15.86	1			7 1)
		Other, spe Kind of Wate		Untested	6.40	45.10	15.23	1		1	- 1		
		Other, spe						1	<	6	> !		
		ell Contracto	or and Well	Technicia			la care la	1	1	/	1		
		r Supply	L±d		1	ell Contractor's	Licence No.	1]	/_	1		
Business A	ddress (Str	eet Number/Na				unicipality	3 0	Comments:			0		
Box 49		loctel C-d	Descri	E 2.4		Stittsvi	11e	1					
Ontari		ostal Code 2S 1A6		ice Q c		ater.ca			ackage Delivere	ed	Mir	istry Us	e Only
Bus.Telepho	one No. (inc.	area code) Na	me of Well	Technician	(Last Name,			information package 2 0	1 0 0 8		Audit No	a a por	
613 83 Well Technic		No. Signator	Miller of Technicis	, Step	hen	te Submitted		X Yes Date V	Vork Completed		CES	7	600
0 0	9	7 10/1	Low	n /	2	0100	08 30	□ No 2 0	1 0 10 18	12 05	Received		2010
0506E (2007/	12) © Que	en's Interior Of	ario, 2007	V		Ministr	v's Copy		AND THE REAL PROPERTY.		HI HAR		



Measurements recorded in:

Ministry of the Environment

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

Well Record

A123395

Tag#: A123395 on 903 Ontario Water Resources Act

500	Omano mate.	
	Page	of

	ocation (Street Numl		1	ownship		Lot	Cond	ession	
1949 Stit	tsville Main	St.	1	Gou1bourn ity/Town/Village		23	Province	9 Po	ostal Code
Ottawa Ca:			1	Stittsville			Ontario		
UTM Coordinates		Northing		lunicipal Plan and Subl	ot Number		Other		
NAD 8 3	1 8 428536		1 1 1	rd (see instructions on the	back of this form)				
General Colour	Most Commo			er Materials		ral Description	1	Fro	Depth (<i>m/ft)</i> om To
Brown	Sand		Stones &	: Gravel	Dry			0	5.79
Grey	Till							5.	79 7.31
Grey	Limes	stone						7.3	31 48.76
Green & R								48.	76 83.81
MANAGE									
						200 (200 (200 (200 (200 (200 (200 (200	774 - 174 -	100 L	William State of the Control of the
Depth Set at (m	n/ft) 7	Annular Space		Volume Placed	After test of well yield,	Results of We water was:	Draw D	own .	Recovery
From To	, ,	Material and Type		(m³/ft³)	☐ Clear and sand fi☐ Other, specify				ime Water Level
9.14 0	Grouted	Cement & B	entonite	.63m ³	If pumping discontinue	ed, give reason:	Static	5.02	
·								Ì	1 16.65
					Pump intake set at (n	n/ft)			
the second second					45.71			7.70	14.00
<u> </u>	f Construction		Well Us		Pumping rate (I/min / 54.6	GPM)		.0.30	13.40
X Cable Tool X Rotary (CoM/gr	☐ Diamond dional) ☐ Jetting	Public Domestic	☐ Commer ☐ Municipa		Duration of pumping			. •))	
Rotary (Reverse		Livestock	☐ Test Hol	e	1 hrs + 30 r Final water level end o			30	⁵ 11.53
X Air percussion	□ Digging	☐ Industrial		& All Collaborary	19.20		10 15	.05	9.40
Other, specify		Other, spec	oify	Status of Well	If flowing give rate (I/n	nin / GPM)	15 16	.44	8.45
	Construction Red on Hole OR Material	Wall C	epth (<i>m/ft)</i>	Water Supply	Recommended pump	depth (m/ft)	20 17	.29	²⁰ 7.95
	vanized, Fibreglass, crete, Plastic, Steel)	Thickness (cm/in) From	m To	Replacement Well Test Hole	30.47		25		²⁵ 7.32
15.86	Steel	.48 +.4	5 9.14	Recharge Well	Recommended pump (I/min / GPM)	rate	30 18	.20	7.10
				Dewatering Well Observation and/or	45.5 Well production (I/min	/ GPM)	⁴⁰ 18	.64	6.94
· · · · · · · · · · · · · · · · · · ·				Monitoring Hole Alteration	Disinfected?	-	⁵⁰ 18	.91	⁵⁰ 6.71
				(Construction) Abandoned,	X Yes No		60 19	.02	6.60
	Construction Rec	cord - Screen		Insufficient Supply Abandoned, Poor			ell Locatio	····	
Outside Diameter (Plasti	Material ic, Galvanized, Steel)	Slot No.	epth (<i>m/ft)</i>	Water Quality Abandoned, other,	Please provide a map	below following	instructions o	n the back	
(cm/in) (1 lasti	io, carvarized, cicory	From	n To	specify		(1	51	l	
				Other, specify		¬~		1	67
			Significant of the section binding an anomalog of the			•		ı	A
Water found at De	Water Detail epth Kind of Water:			ole Diameter n (<i>m/ft</i>) Diameter		•		i	7
79.24 _{m/ft)}	Gas Other, speci	ify	From	To (cm/in)	1			1	3
	epth Kind of Water: Gas Other, speci			9.14 15.86				1	. The state of the
	epth Kind of Water:		9.14	83.81 15.23	MAIN	57REET			
(m/ft) [Gas Other, speci					D.C. #5	#1	949	
Business Name of	Well Contractor Well Contractor	and Well Techn	coolicates into arrangili artistesi da tisti ili tita toporo o	ion I Contractor's Licence No.					
	ater Supply		1	5 5 8					
Business Address Box 490	(Street Number/Nam	ie)	į.	nicipality tittsville	Comments:				
Province	Postal Code	Business E-mail	Address						
Ontario	K2S 1A6 (inc. area code) Nam	office a	capitalwat	ter.ca	information	ackage Delivere	Audi	erosetation of the Cale Inter-	Use Only
613 836 17	766 1	Miller. St	ephen		Deta M	[Y 2∕ 04 9/10 /ork Completed			39831
Well Technician's Lic	cence No. Signature o	Technician and/o	r Contractor Date		X Yes	, , , ,			2 0 2013
	Queen's Printer for Ontari	6, 2007	1/K	7 1 2 0 9 1 0 Ministry's Copy	[2 0	1 2 0 9	0 6 Rece	ived	

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The Ontario Water Resortion S R 0 14 10 Z WATED WE				Defrance week	
WAILK WEI		REC	JRU	1	
County of Edition 1	<i>\'</i>	/	own or City.	<u>Glazila</u>	Adding the same
Con. Lot 22	Date con	npleted	(day	month	year)
	dress.	19 M.	LAND.	de a	
Casing and Screen Record			Pumping	; Test	
Inside diameter of casing					
Total length of casing	Test	-pumping ra	ite		G.P.M.
Type of screen	Pum	ping level	23	. 7	
Length of screen	Dura	ation of test p	oumping	12 h	<u></u>
Depth to top of screen	Wat	er clear or cle	oudy at end of	test Cle	12
Depth to top of screen Diameter of finished hole	Rec	ommended p	oumping rate		5 G.P.M.
	with	n pump settin	g of		w ground surface
Well Log			T	Depth(s) at	Kind of water
Overburden and Bedrock Record		From ft.	To ft.	which water(s) found	(fresh, salty, sulphur)
Coarse grand		0	12		
- I and		18	1) 3		
		71 8	-	() 0,=	
in my limestone noc	J.	13	23	60-85	trook
For what purpose(s) is the water to be used?			Location	of Well	
new home		In diagra	m below show	distances of we	ell from
Is well on upland in valley or on hillside? Uplane!		road and	ot line. Ind	licate north by $L \not = \checkmark $	2 ARM
Drilling or Boring Firm			3) times.	•	
,			,		
Address / 12/2/2001	1.7	AM			
Tittis willen that			*	7	
Licence Number 3		11		1	
Name of Driller or Borer		60)		
Audress		1,5	2 44 6		
Date		أرار المعلى) mr	- Mi	
(Signature of Licensed Drilling or Boring Contractor)	OLA			Que 11 1	
Form 7 15M-60-4138	LOT	22	···er		(Junied
OWRC COPY	121			\$ 30.43 3	of the

MINISTRY OF THE ENVIRONMENT 31749 The Ontario Water Resources Act ATER WELL RECORD 1517142 15,003 CON. 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, CITY, TOWN IX ULBOURK Main ST Statsville Ona LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH - FEET GENERAL DESCRIPTION MOST COMMON MATERIAL OTHER MATERIALS FROM GENERAL COLOUR 1 1 1 75 EPTH TO TOP

						1 1 1	1 1 1	1 1 1	
32							54		65
41	WATER RECORD	(51)	CASING & C	OPEN HO			Z SIZE(S) O	F OPENING	31-33 DIAMETER
WATER FOUND AT - FEET	KIND OF WATER	TNSIDE DIAM. • INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH FROM	- FEET	101	L AND TYPE	D
20.60	1 ph RESH 3 □ SULPHUR 10 2 □ SALTY 4 □ MINERAL	CLL! 19-11	1 PO STEEL 12 2 GALVANIZED	1/	old	150	S		
15-18	1 FRESH 3 SULPHUR 19 2 SALTY 4 MINERAL	7	3 CONCRETE 4 OPEN HOLE	78	16	100	61		SING & SEALI
20-23		17-11	STEEL 15			20-23	DEPTH SET	TO TO	MATERIAL AND T
	2 SALTY 4 MINERAL		3 CONCRETE				10-13	14-17	
25-26	1 FRESH 3 SULPHUR 23	24-2	5 1 STEEL 20	5		27-30	18-21	22-25	
		1.1	4 LJ GALVANIZED	1 -	н	1			it and

3 CONCRETE

51	PLUGG	ING & SEALING	RECORD
DEPTH SET A	T - FEET	MATERIAL AND TYPE	CEMENT GROUT
FROM	ro		LEAD PACKER, ETC.)
10-13	14-17		
18-21	22-25		
26-29	30-33	80	

	PUMPING TEST METHOD 10	PUMPING RATE	11-14 DURATION OF PUMPING
[[7]	1 PUMP 2 DAILER	0006	15-16 17-1 GPM HOURS MIN
1.	STATIC WATER LEVEL END OF PUMPING	WATER LEVELS DURIN	Z RECOVERY
TEST	224 22	12 4" M 5	29-31
PING	FEET FEET IF FLOWING, GIVE RATE S8-6	PUMP INTAKE SET AT	WATER AT END OF TEST 4
IΣ	GPM RECOMMENDED PUMP TYPE		FEET 3-45 RECOMMENDED 46-4
2	SHALLOW DEEP	PUMP	PUMPING FEET RATE GP
ŀ	50-53	GPM./FT. SPECIFIC CAPAC	TITY

1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL

₹	RECOMMENDED PUMP	YPE	PUMP	43.4	PUMPI	NG	*****
_	SHALLOW	☐ DEEP	SETTING	FEI	RATE		GPM
	50-53		GPM. / FT. SPEC	FIC CAPACIT	Y		
	5	WA1	ER SUPPLY	s 🔲 A	BANDONE	D, INSUFFICIEN	T SUPPLY
	FINAL	2 OBS	ERVATION WELL	6 🗆 A	BANDONE	D. POOR QUALI	TY
	STATUS /	3 TES	T HOLE	7 🔲 U	NFINISH	ED	
	OF WELL	4 🗆 REC	HARGE WELL				
	55-5	6 1 13 46	4ESTIC	5 T COMM	ERCIAL		
		2 1 STO		- MUNI	CIPAL		
	WATER	1	IGATION	7 PUBL	IC SUPPL	Y	
	USE (1)	A D IND	USTRIAL	• 🗌 COOL	ING OR A	IR CONDITIONS	IG
	035 01		OTHER		9	☐ NOT USED	
	5	7 PLEA	BLE TOOL		6 🗌 8	ORING	
	METHOD	2 7 RO	TARY (CONVENTE	ONAL)	7 🔲 D	IAMOND	
	OF i	3 🗆 RO	TARY (REVERSE)		a 🔲 J	ETTING	
		4 🗍 RO	TARY (AIR)		9 🗌 D	RIVING	
	DRILLING !	5 AIR	PERCUSSION				
		. —					

LOCATION OF WELL
Healey Heath Sul.
Healey One, E.
Reag Plan 661 Lot 27

œ	NAME OF WELL CONTRACTOR	: تمييتم	Scar	Ro	LICENCE NUMBER
ACTO	XDDNESS (1,,		
NTR	NAME OF DRILLER OR BORER				LICENCE NUMBER
Ö	SIGNATURE OF CONTRACTOR		-	SUBMISSION DAT	E

MINISTRY OF THE ENVIRONMENT COPY

DRI	LLERS REMARKS:			
NLY	DATA 58 SOURCE	4847	DATE RECEIVED	1079
SE ON	DATE OF INSPECTION	INSPECTOR		
ICE U	REMARKS:			P
OFFI(\$ 200 cm	WI



The Ontario Water Resources Act

2		HERE APPLICABLE	51714	CON. BLOCK, TRACT, SURVEY	ETC.	27
HRLETO	M	SOULDOUR	er sta	(1 P . M. W	DATE COMPLETED	7 va7
		3 Moun	ST NICH	ONTERNO WY	DAY MO	
			لساساك البريا	30 -1 1 1 1 1		
	LOG OF	OVERBURDEN AND BEDRO	CK MATERIALS	S (SEE INSTRUCTIONS) GENERAL DESCRIPTION		TH - FEET
RAL COLOUR COMM	MOST ON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	FROM	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
81	:	gravel				
		0			X	56
led		Sand		•	• /	
		and to home t		och	50	12
nay		mergan				_
- 		•				
						-
	1 1 1 1 1 1	1.1.1111.1.1.	1 1 1 1 1		بالبيبا ليل	لىلىل
1	<u> </u>				بالت پالیان	إرابا
WATER R	ECORD 51	CASING & OPEN HOLE	RECORD	SIZE(S) OF OPENING (ISLOT NO.)		HES .
	OF WATER INSID	MATERIAL THICKNESS	DEPTH FEET	MATERIAL AND TYPE	DEPTH TO OF SCREE	TOP 41-
10-13 D RESH	SULPHUR 19	19-11 1 CONTECT 12	13 16	[S]	ING & SEALING R	FCORD
15-10 1 FRESH	SULPHUR 17	1 [] CONCRETE 4 [] OPEN HOLE	20-21	OLPTH SET AT - FEET		CEMENT GPO
20-23 1 C FRESH	SULPHUR 72	IT IN TO STEEL 19 2 CONCRETE		FROM FO 10.11 14-17		
15-28 FRESI	SULPHUR ?	4 OPEN HOLE 24-75 1 STEEL 26	21.30			
30-37 1 T FRESI	H 3 SULPHUR	7 GALVANIZED 3 CONCRETE 4 OPEN MOLE		26-29 30-33	80	
PUMPING TEST METHOD	10 PUMPING RAIE	1:-14 DURATION OF PUMPING		LOCATION	OF WELL	
1 PUMP 2	75	15-16 17- GPM	5 IN C	HAGRAM BELOW SHOW DISTA	RY ARROW.	
LEVEL PUT	MPING WATER LEVELS	DURING 2 RECOVERY DININUTES 45 MINUTES 60 MINUTES	1 2/2	lay Heath	Sul	
当つつち、	26-28 FEET J	Jan Alm Jon	1/40	1 1	49	
ECOMMENDED PUMP TYPE	38-41 PUMP INTAKE SET AT	FEET CLEAR 2 CLOUD	<u> </u>	Fel	the J. 1	
BECOMMENDED PUMP TYPE	PUMP	43-45 RECOMMENDED 46	49 PM	lealey a		
SO-53	DEEP SETTING GPM./FT. SPECIFIC			realey a	re, Ci	
FINAL	1 D WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPL	*	V		
STATUS OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED				
55-56	2 STOCK	COMMERCIAL				
WATER USE	3 IRRIGATION 7	D PUBLIC SUPPLY COOLING OR AIR CONDITIONING NOT USED				
57	OTHER	6 BORING				
METHOD OF	PEABLE TOOL 2 POTARY (CONVENTION 3 ROTARY (REVERSE)	(AL) 7 DIAMOND 8 DETTING				
DRILLING	A ROTARY (AIR) 5 AIR PERCUSSION	↑ □ DRIVING	DRILLERS RE	MARKS		
NAME OF WELL CONT	RACTOR	LICENCE NUMBER	DATA SOURCE	SE CONTRACTOR	59-67 DATE RECEIVED 7	107
E TOOKESS	Tout of	orto 1767	1 1 1 7 1	INSPECTION INSP	ECTOR	
NAME OF DRILLER O	IR BORER	LICENCE NUMBER	S PI WARF	3		Р
Z MARE OF BRILLER O		SUBMISSION DATE			C58.88	wı
SIGNATURE OF CON	TRACTOR	A Language on a	1 1 14. 1		e mily mily	" "

	Well Record on 903 Ontario Water Resources Act
Instructions for Completing Form A025617	page of
 For use in the Province of Ontario only. This document is a permanent legal document. Please retain for All Sections must be completed in full to avoid delays in processing. Further instructions and explanations a Questions regarding completing this application can be directed to the Water Well Management Coordinal 	re available on the back of this form. or at 416-235-6203.
Well Owner's Information and Location of Well Information	LOT
Ottama Carleton Goulbourn RR#/Street Number/Name City/Town/Village Site/G	Compartment/Block/Tract etc.
Brad's Court Stittsville	
GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation: Solution	Undifferentiated Averaged Differentiated, specify
Log of Overburden and Bedrock Materials (see instructions)	
General Colour Most common material Other Materials General Description	Depth Metres From To
Brown Sand Broken Rock	0 2.74
Gray Limestone Dark Layers Medium	2.74 76.19
oray numercone bar anyon	
Hole Diameter Construction Record	Test of Well Yield
Depth Metres Diameter Inside Wall Depth Metres Pumping test r	Time Water Level Time Water Level
centimetres centimetres From To	ble min Metres min Metres
O 6,40 22,75 Pump intake s (metres) 60	.96 Level 9.16
6.40 76.19 15.07 15.86 A Steel Fibreglass .48 + .45 6.40 Pumping rate (litres/min)	5 1 9.79 1 9.45
Plastic Concrete Duration of pur	6
Water Record Water found at Metres Kind of Water Steel Fibreglass Galvanized 1 hrs + 1 Final water lev	O min
at Metres Kind of Water Steel Fibreglass Final water lev of pumping 1(el end 3 9.95 3 9.45
Galvanized Recommender	
Other: type Shallow Percommender Sulphur Steel Fibreglass Recommender	Deep
Gas Salty Minerals depth. 30 A	pump 5 9.99 5 9.51
Recommended	pump 10 10 065 10 9 44
Gas Salty Minerals Outside Steel Sibrogles Stat No.	1) 15 10 11 15 9 40
Other:	10.13
After test of well yield, water was Galvanized Galvanized Glear and sediment free	ontin- 30 10 20 30 0 21
Other, specify No Casing or Screen	40 10.24 40 9.29
Chlorinated 1 Yes No 76.19 Open hole 6.40 76.19	50 10.28 50 9.27 60 10.29 60 9.26
	ation of Well
Depth set at - Metres Meterial and type (hentonite slurry neat cement slurry) etc. Volume Placed In diagram below show distances	of well from road, lot line, and building.
From To (cable metros) Indicate flortif by arrow.	70
6.40 0 Grouted - Cement .21m3 Forcest	arout
	Brod's Court
	0,000
Method of Construction	Lot
Cable Tool Diamond Diagong Rotary (conventional) Air percussion Jetting Other	
Rotary (conventional) Rotary (reverse) Boring Driving	
Water Use	× 1.
Domestic ☐ Industrial ☐ Public Supply ☐ Other☐ Stock ☐ Commercial ☐ Not used ☐ Not used	
Irrigation Municipal Cooling & air conditioning Audit No. Z 2613:	Date Well Completed 2005 9 20
Water Supply Recharge well Linfinished Abandoned, (Other) Was the well owner's information	Date Delivered YYYY MM DD
Observation well Abandoned, insufficient supply Dewatering package delivered?	No 2003 9 21
Test Hole Abandoned, poor quality Replacement well	stry Use Only
Well Contractor/Technician Information Mini	Contractor
Well Contractor/Technician Information Name of Well Contractor Well Contractor's Licence No. Data Source	1 FR 10
Well Contractor/Technician Information Data Source	DD Date of Inspection YYYY MM DD
Well Contractor/Technician Information Name of Well Contractor Capital Stater Supple 1.td. Business Address (street name, number, city etc.) Data Source Data Received YYYY MM OCT 2.4, 2005	DD Date of Inspection YYYY MM DD
Well Contractor/Technician Information Name of Well Contractor Capital Fater Sunt Itd. Business Address (street name, number, city etc.) Box 490 Stitteville Ontario K2S 1A6 Name of Well Technician (last name, first name) Mini Data Source Date Received YYYY MM OCT 2 4 2005 Remarks	Del effecteding
Well Contractor/Technician Information Name of Well Contractor Capital Pater Supple Ltd. Business Address (street name, number, city etc.) Box AGO Stitteville Ontario K2S 1A6 Name of Well Technician (last name, first name) Well Contractor's Licence No. Data Source Date Received YYYY MM OCT 2 4 2005 Remarks	DD Date of Inspection YYYY MM DD

Vanessa Naufal

From: Public Information Services <publicinformationservices@tssa.org>

Sent: Tuesday, June 18, 2024 8:12 AM

To: Vanessa Naufal

Subject: RE: PE6592 - Records Search Request

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

• We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the TSSA Client Portal to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,



Kimberly Gage | Public Information & Records Agent

Public Information 345 Carlingview Drive Toronto, Ontario M9W 6N9

Tel: +1 416-734-3348 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org









Winner of 2024 5-Star Safety Cultures Award

Sent: Monday, June 17, 2024 3:28 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: PE6592 - Records Search Request

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hi,

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:

Cresswell Court: 505 and 525; Falabella Street: 101, 105; Parade Drive: 501, 508;

Stittsville Main Street: 1845, 1883, 1900, 1916.

Thanks,



VANESSA NAUFAL

Co-op Student - Environmental

9 AURIGA DRIVE OTTAWA ON K2E 7T9 patersongroup.ca

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!

NEW OFFICE OPEN IN THE GREATER TORONTO AREA WITH OUR EXPANSIVE LIST OF SERVICES NOW AVAILABLE!

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

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



Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning, Real Estate and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

	Background Information										
*Site Address or Location:											
	* Mandatory Field										
*Applicant/Agen	t Information:										
Company name:	Paterson Group										
Contact name:	Vanessa Naufal										
Mailing Address:	9 Auriga Drive, Ottawa, ON, K1P 0B	6									
Telephone:	613-505-5190	Email Address:	vnaufal@patersongroup.ca								
*Registered Prop	erty Owner Information:	Same as abo	ve								
Name:	Ross Bradley										
Mailing Address:	50 Hines Rd, Suite 100, Ottawa ON,	K2K 2M5									
Telephone:	613-794-5202	Email Address:	rwbradley18@gmail.com								

Page 1 of 3 January 1, 2024

	Site Details								
Legal Description and PIN: Part of Lot 22, Concession 9, Township of Goulbourn, in the City of Ottawa									
What is the land currently used for? Residential Use									
Lot frontage: m Lot depth: m Lot area: m² OR Lot area: (irregular lot) 10452 m² Does the site have Full Municipal Services: Yes									
	Required Fees								
Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.									
Planning Fee		\$181.00							

Submittal Requirements

The following are required to be submitted with this application:

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

Page 2 of 3 January 1, 2024

Disclaimer For use with HLUI Database

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

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

- 1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.
- 2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
- 3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
- 4. Copyright is reserved to the City.
- 5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
- 6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
- 7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed:	Vanessa Naufa	£					
Dated (dd/mm/yyyy	y): 06/12/2024						
Per: Vanessa Naufal							
(Please print na	me)						
Title: Environmental Co-op							
Company: Paterson Group							

Page 3 of 3 January 1, 2024



June 7, 2024 File: PE6592-HLUI

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

Subject:

Authorization Letter: HLUI Search

Phase I - Environmental Site Assessment

1883 Stittsville Main Street,

Ottawa, Ontario

Consulting Engineers

9 Auriga Drive Ottawa, Ontario K2E 7T9 Tel: (613) 226-7381

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Retaining Wall Design
Noise and Vibration Studies

patersongroup.ca

Dear Sir/Magama

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

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

Name of Company/Property Owner:	Ross Bradley
Name of Representative:	Ross Bradley
Signature:	12KM
Date:	Jine 7/2024



File Number: D06-03-24-0072

July 25, 2024

Vanessa Naufal Patterson Group

Sent via email vnaufal@patersongroup.ca

Dear Vanessa Naufal,

Re: Information Request

1883 Stittsville Main Street 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:

- Environmental Remediation Unit: The Environmental Remediation Unit has a Phase I Environmental Site Assessment that includes this property (Paterson, 2014). Please contact ERU-UAE@ottawa.ca to obtain a copy of the report if required.
- Ottawa Public Health Environmental Health: all public inspection results are publicly available on the Ottawa Public Health website: https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx
- Sewer Use Program: No records found for this property.
- Solid Waste Services: No records found for this property.

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.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the <u>Overview and User Guide</u>."

HLUI Map

The HLUI Map PDF shows HLUI area, point and line features within 250 metres of the Subject Property. 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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: Public Health Inspections - Ottawa Public Health

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

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,

Spencer Mulvaney

Student Planner
Development Review
Planning, Development and Building Services Department

Enclosures: (2) 1. HLUI Map

2. HLUI Summary Report

cc: File no. D06-03-24-0072

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 S	T_DIR ML	UNICIPALI ST_	T_NUM201 7	ST_NAME2017	ST_SUFFIX2 017 ST_I	DIR2017 POSTAL DE201	_CO PIN201	7 MUNICIPALITY201	7 NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
OBJ	ECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC \	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFI ST	_DIR MU	IUNICIPA ST	$T_NUM2 ST_$	_NAME2017	ST_SUFFIST_	DIR20 POSTA	AL_(PIN201	7 MUNICIPALITY	⁷ NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
	7163	B DIAMOND FIRE PROTEC	Electric Lighting Industries	es 2001-ES	1 2	2001-2008	c. 2001	1876	STITTSVILLE MAI	NST	ST	TITTSVIL	354 ALI	DWORTH	PRIV	K2S0N	19 444624	89 GOULBOURN	33429	0			107.1235423	600.5450352



Project Property: Phase I ESA

1883 Stittsville Main Street

Stittsville ON K2S 1B8

Project No: *P.O.* 60388 / *PE*6592

Report Type: Standard Report

Order No: 24060700322

Requested by: Paterson Group Inc.

Date Completed: June 7, 2024

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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

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Order No: 24060700322

Executive Summary

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$\nu r \cap$	nortv	Intorn	nation:
	DELLA	1111011	nauvn.

Project Property: Phase I ESA

1883 Stittsville Main Street Stittsville ON K2S 1B8

Order No: 24060700322

Project No: P.O. 60388 / PE6592

Coordinates:

 Latitude:
 45.2413485

 Longitude:
 -75.9119602

 UTM Northing:
 5,010,166.21

 UTM Easting:
 428,426.00

UTM Zone: 18T

Elevation: 403 FT

122.80 M

Order Information:

Order No: 24060700322

Date Requested: June 7, 2024

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	Υ	0	0	0
AGR	Aggregate Inventory	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	0	0
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Υ	0	0	0
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Manufacturers and Distributors	Υ	0	0	0
CHM	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
DTNK	Delisted Fuel Tanks	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	0	0
EBR	Environmental Registry	Υ	0	0	0
ECA	Environmental Compliance Approval	Υ	0	4	4
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	0	0	0
EIIS	Environmental Issues Inventory System	Υ	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Υ	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems	Υ	0	0	0
FST	(FIRSTS) Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Υ	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Υ	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Υ	0	0	0
HINC	TSSA Historic Incidents	Υ	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0

Order No: 24060700322

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Υ	0	0	0
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Υ	0	0	0
NCPL	Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Υ	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Υ	0	0	0
NEBP	National Energy Board Wells	Υ	0	0	0
NEES	National Environmental Emergencies System (NEES)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Υ	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Υ	0	0	0
OGWE	Oil and Gas Wells	Υ	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Υ	0	0	0
ORD	Orders	Υ	0	0	0
PAP	Canadian Pulp and Paper	Υ	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Υ	0	0	0
PES	Pesticide Register	Υ	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Υ	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Υ	0	0	0
PINC	Pipeline Incidents	Υ	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Υ	0	0	0
PTTW	Permit to Take Water	Υ	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Υ	0	0	0
RSC	Record of Site Condition	Υ	0	0	0
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Υ	0	0	0
SPL	Ontario Spills	Υ	0	0	0
SRDS	Wastewater Discharger Registration Database	Υ	0	0	0
TANK	Anderson's Storage Tanks	Υ	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Υ	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Υ	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval	Υ	0	0	0
wwis	Inventory Water Well Information System	Υ	0	41	41

Database Name Searched Project Within 0.25 km Total Property

Total:

49

49

Executive Summary: Site Report Summary - Project Property

MapDBCompany/Site NameAddressDir/Dist (m)Elev diffPageKey(m)Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	wwis		lot 22 con 9 ON	NE/7.5	0.04	<u>20</u>
			Well ID: 1515755			
<u>2</u>	WWIS		lot 22 con 9 ON	N/66.0	0.08	<u>23</u>
			Well ID: 1509890			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>26</u>
			Well ID: 1517086			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>29</u>
			Well ID: 1517204			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>32</u>
			Well ID: 1517205			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>35</u>
			Well ID: 1517874			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>39</u>
			Well ID: 1518015			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>42</u>
			Well ID: 1518069			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>46</u>
			Well ID: 1518249			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>50</u>
			Well ID: 1518340			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>53</u>
			Well ID: 1518341			
<u>3</u>	wwis		lot 22 con 9 ON	WNW/110.8	2.08	<u>57</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1518350			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>60</u>
			Well ID: 1518352			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>63</u>
			Well ID: 1519231			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>67</u>
			Well ID: 1519307			
<u>3</u>	WWIS		lot 22 con 9 ON	WNW/110.8	2.08	<u>70</u>
			Well ID: 1519380			
<u>4</u>	PTTW	1384341 Ontario Ltd.	ON	ESE/118.4	-0.89	<u>74</u>
<u>5</u>	wwis		1876 STITTSVILLE MAINE STREET lot 22 con 9 STITTSVILLE ON <i>Well ID</i> : 7156131	NW/139.4	1.46	<u>74</u>
<u>6</u>	WWIS		1877 STITTSVILLE MAIN ST. lot 22 con 9 STITTSVILLE ON Well ID: 7328234	NNW/139.8	0.16	<u>76</u>
<u>7</u>	BORE		ON	NW/142.3	1.12	<u>78</u>
<u>8</u>	WWIS		lot 22 con 9 ON <i>Well ID:</i> 1518644	S/145.3	2.08	<u>79</u>
<u>8</u>	WWIS		lot 22 con 9 ON <i>Well ID:</i> 1519542	S/145.3	2.08	<u>83</u>
<u>9</u>	PINC		506 CRESSWELL COURT, STITTSVILLE ON	W/149.5	1.77	<u>87</u>
<u>10</u>	WWIS		lot 22 con 9 ON <i>Well ID:</i> 1532214	S/171.9	2.08	<u>87</u>
<u>10</u>	WWIS		lot 22 con 9 ON	S/171.9	2.08	<u>91</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1532215			
<u>10</u>	WWIS		lot 22 con 9 ON	S/171.9	2.08	<u>95</u>
			Well ID: 1532224			
<u>10</u>	WWIS		lot 22 con 9 ON	S/171.9	2.08	<u>99</u>
			Well ID: 1532395			
<u>11</u>	WWIS		lot 22 con 9 ON	S/172.0	2.08	103
			Well ID: 1531695			
<u>12</u>	ECA	1384341 Ontario Ltd. and Monarch Corporation	Ottawa ON K2C 3H2	S/172.4	2.08	106
42	ECA	1384341 Ontario Ltd.		S/172.4	2.08	106
<u>12</u>	LOA	1304041 Official Etc.	Ottawa ON K0A 1B0	5/1/2.4	2.00	100
<u>12</u>	ECA	1384341 Ontario Ltd. and Monarch Corporation	Ottawa ON K2C 3H2	S/172.4	2.08	<u>107</u>
<u>12</u>	ECA	1384341 Ontario Ltd. and Monarch Corporation	Ottawa ON K2C 3H2	S/172.4	2.08	107
		·				
<u>13</u>	wwis		lot 22 con 9 ON	S/172.7	2.08	<u>107</u>
			Well ID: 1530042			
<u>13</u>	WWIS		lot 22 con 9 ON	S/172.7	2.08	111
			Well ID: 1521297			
<u>13</u>	WWIS		lot 22 con 9 ON	S/172.7	2.08	114
			Well ID: 1521852			
<u>13</u>	WWIS		lot 22 con 9 ON	S/172.7	2.08	118
			Well ID: 1525248			
<u>13</u>	WWIS		lot 22 con 9 ON	S/172.7	2.08	<u>121</u>
			Well ID: 1525669			
<u>13</u>	WWIS		lot 22 con 9 ON	S/172.7	2.08	<u>125</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1526192			
<u>13</u>	wwis		lot 22 con 9 ON <i>Well ID:</i> 1528486	S/172.7	2.08	<u>128</u>
<u>14</u>	wwis		lot 22 con 9 ON <i>Well ID:</i> 1533386	S/173.0	2.08	<u>131</u>
<u>15</u>	wwis		lot 22 con 9 ON	SW/174.2	2.08	<u>135</u>
			Well ID: 1518633			
<u>16</u>	WWIS		lot 22 con 9 ON <i>Well ID:</i> 1502583	NW/182.6	0.08	<u>139</u>
<u>17</u>	wwis		lot 22 con 9 ON	S/234.7	2.08	<u>141</u>
			Well ID: 1502582			
<u>18</u>	BORE		ON	S/234.8	2.08	144
<u>19</u>	wwis		lot 22 con 9 ON	S/235.1	2.08	<u>145</u>
			Well ID: 1513858			
<u>20</u>	WWIS		lot 22 con 9 ON <i>Well ID</i> : 1516553	S/245.2	2.92	<u>148</u>
<u>20</u>	wwis		lot 22 con 9 ON	S/245.2	2.92	<u>151</u>
			Well ID: 1517928			
<u>20</u>	WWIS		lot 22 con 9 ON	S/245.2	2.92	<u>154</u>
			Well ID: 1518642			
<u>20</u>	WWIS		lot 22 con 9 ON	S/245.2	2.92	<u>158</u>
			Well ID: 1519071			

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	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	ON	NW	142.33	7
	ON	S	234.81	<u>18</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 31, 2024 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation 1384341 Ontario Ltd. and Monarch Corporation	Address Ottawa ON K2C 3H2	<u>Direction</u> S	<u>Distance (m)</u> 172.39	<u>Map Key</u> <u>12</u>
1384341 Ontario Ltd. and Monarch Corporation	Ottawa ON K2C 3H2	S	172.39	<u>12</u>
1384341 Ontario Ltd.	Ottawa ON K0A 1B0	S	172.39	<u>12</u>
1384341 Ontario Ltd. and Monarch Corporation	Ottawa ON K2C 3H2	S	172.39	<u>12</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
	506 CRESSWELL COURT,	W	149.47	<u>9</u>

PTTW - Permit to Take Water

ON

A search of the PTTW database, dated 1994 - Mar 31, 2024 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
1384341 Ontario Ltd.	ON	ESE	118.38	<u>4</u>

WWIS - Water Well Information System

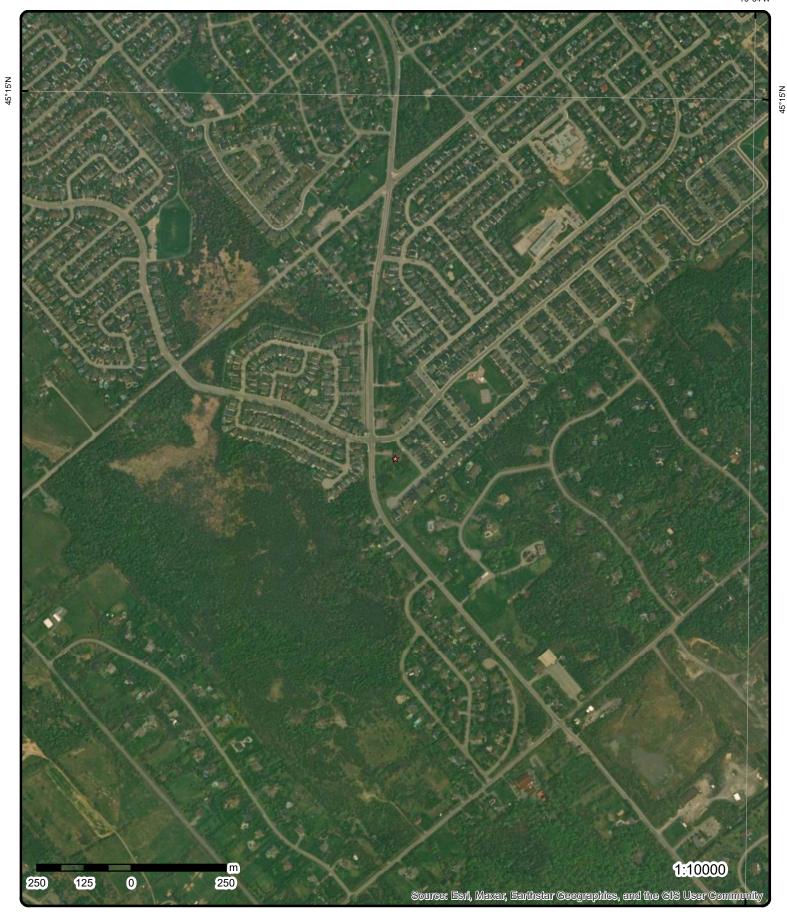
A search of the WWIS database, dated Dec 31 2023 has found that there are 41 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address lot 22 con 9 ON Well ID: 1515755	<u>Direction</u> NE	Distance (m) 7.46	Map Key 1
	lot 22 con 9 ON <i>Well ID</i> : 1509890	N	66.00	<u>2</u>
	lot 22 con 9 ON <i>Well ID</i> : 1518249	WNW	110.79	<u>3</u>
	lot 22 con 9 ON <i>Well ID</i> : 1518340	WNW	110.79	<u>3</u>
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1518341 lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1518350 lot 22 con 9 ON	WNW	110.79	<u>3</u>

Equal/Higher Elevation	Address Well ID: 1518352	<u>Direction</u>	Distance (m)	<u>Map Key</u>
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1519231			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1519307			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1519380			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1518069			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1518015			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1517874			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1517205			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1517204			
	lot 22 con 9 ON	WNW	110.79	<u>3</u>
	Well ID: 1517086			
	1876 STITTSVILLE MAINE STREET lot 22 con 9 STITTSVILLE ON Well ID: 7156131	NW	139.40	<u>5</u>
	1877 STITTSVILLE MAIN ST. lot 22 con 9 STITTSVILLE ON Well ID: 7328234	NNW	139.83	<u>6</u>

Equal/Higher Elevation	Address lot 22 con 9 ON	<u>Direction</u> S	<u>Distance (m)</u> 145.26	Map Key <u>8</u>
	Well ID: 1518644			
	lot 22 con 9 ON	S	145.26	<u>8</u>
	Well ID: 1519542			
	lot 22 con 9 ON	S	171.94	<u>10</u>
	Well ID: 1532214			
	lot 22 con 9 ON	S	171.94	<u>10</u>
	Well ID: 1532215			
	lot 22 con 9 ON	S	171.94	<u>10</u>
	Well ID: 1532224			
	lot 22 con 9 ON	S	171.94	<u>10</u>
	Well ID: 1532395			
	lot 22 con 9 ON	S	171.99	<u>11</u>
	Well ID: 1531695			
	lot 22 con 9 ON	S	172.73	<u>13</u>
	Well ID: 1530042			
	lot 22 con 9 ON	S	172.73	<u>13</u>
	Well ID: 1521852			
	lot 22 con 9 ON	S	172.73	<u>13</u>
	Well ID: 1525248			
	lot 22 con 9 ON	S	172.73	<u>13</u>
	Well ID: 1525669			
	lot 22 con 9 ON	S	172.73	<u>13</u>

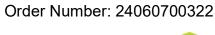
Equal/Higher Elevation	Address Well ID: 1526192	<u>Direction</u>	Distance (m)	<u>Map Key</u>
	lot 22 con 9 ON	S	172.73	<u>13</u>
	Well ID: 1528486 lot 22 con 9 ON	S	172.73	<u>13</u>
	Well ID: 1521297			
	lot 22 con 9 ON	S	173.03	<u>14</u>
	Well ID: 1533386			
	lot 22 con 9 ON	SW	174.24	<u>15</u>
	Well ID: 1518633			
	lot 22 con 9 ON	NW	182.62	<u>16</u>
	Well ID: 1502583			
	lot 22 con 9 ON	S	234.71	<u>17</u>
	Well ID: 1502582			
	lot 22 con 9 ON	S	235.13	<u>19</u>
	Well ID: 1513858			
	lot 22 con 9 ON	S	245.24	<u>20</u>
	Well ID: 1516553			
	lot 22 con 9 ON	S	245.24	<u>20</u>
	Well ID: 1517928			
	lot 22 con 9 ON	S	245.24	<u>20</u>
	Well ID: 1518642			
	lot 22 con 9 ON	S	245.24	<u>20</u>
	Well ID: 1519071			



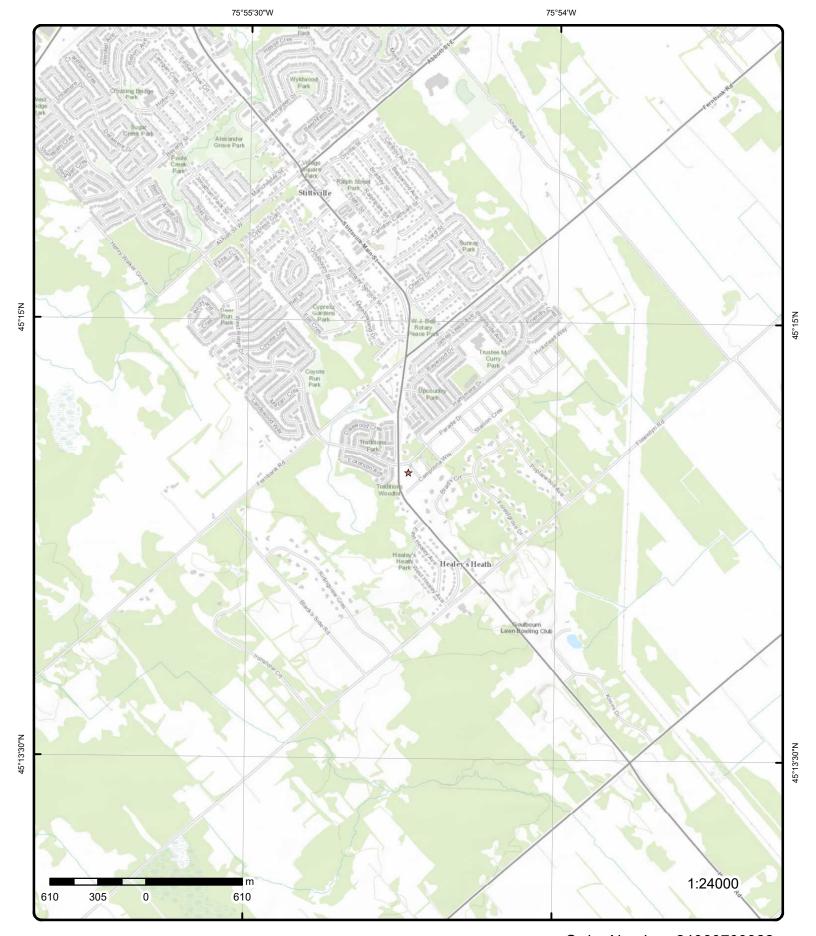
Aerial Year: 2023

Source: ESRI World Imagery

Address: 1883 Stittsville Main Street, Stittsville, ON







Topographic Map

Address: 1883 Stittsville Main Street, ON

Source: ESRI World Topographic Map

Order Number: 24060700322



Detail Report

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
1	1 of 1		NE/7.5	122.8 / 0.04	lot 22 con 9 ON		wwis
Well ID: Construction Use 1st: Use 2nd: Final Well Si Water Type: Casing Mate Audit No: Tag: Constructn Elevation (n Elevatn Reli Depth to Be Well Depth: Overburden, Pump Rate: Static Water Clear/Cloud Municipality Site Info:	tatus: Method: n): ability: drock: /Bedrock: r Level: y:	1515755 Domestic 0 Water Sup	ply GOULBOURN TOV	VNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 12/09/1976 TRUE 1558 1 OTTAWA-CARLETON 022 09 CON	

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515755.pdf

Order No: 24060700322

Additional Detail(s) (Map)

PDF URL (Map):

 Well Completed Date:
 11/05/1976

 Year Completed:
 1976

 Depth (m):
 24.384

Latitude:45.2414010504139Longitude:-75.9119011334853X:-75.91190097163106Y:45.24140104304398Path:151\1515755.pdf

Bore Hole Information

 Bore Hole ID:
 10037699
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428430.70

 Code OB Desc:
 North83:
 5010172.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 11/05/1976 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931030142

 Layer:
 2

 Color:
 2

 General Color:
 GREY

Material 1: 15
Material 1 Desc: LIMESTONE

Material 1 Desc: Material 2: Material 2 Desc: Material 3:

Material 3 Desc:

Formation Top Depth: 9.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931030141

Layer: Color: **BROWN** General Color: Material 1: 28 Material 1 Desc: SAND Material 2: 12 Material 2 Desc: **STONES** Material 3: 01 FILL Material 3 Desc: Formation Top Depth: 0.0 Formation End Depth: 9.0

Method of Construction & Well

Formation End Depth UOM:

<u>Use</u>

Method Construction ID: 961515755

ft

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10586269

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930066443

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

930066444 Casing ID:

Layer:

Material:

Open Hole or Material: **OPEN HOLE**

ft

Depth From: Depth To: 0.08 Casing Diameter: 6.0 Casing Diameter UOM: inch

Results of Well Yield Testing

Casing Depth UOM:

Pumping Test Method Desc: **BAILER** Pump Test ID: 991515755

Pump Set At: Static Level: 20.0 Final Level After Pumping: 50.0 60.0 Recommended Pump Depth: 10.0 Pumping Rate:

Flowing Rate:

5.0 Recommended Pump Rate: Levels UOM: GPM Rate UOM: Water State After Test Code: 1 **CLEAR** Water State After Test:

Pumping Test Method: 2 Pumping Duration HR: 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934378104 Test Type: Draw Down Test Duration: 30 50.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934897107 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 Test Level: 50.0 Test Level UOM:

Draw Down & Recovery

934101333 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 50.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934639208 Test Type: Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Water Details

2

 Water ID:
 933471920

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 78.0

1 of 1

Water Found Depth UOM: ft

N/66.0

WWIS

Order No: 24060700322

Well ID: 1509890 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st:DomesticData Entry Status:Use 2nd:0Data Src:

Final Well Status:Water SupplyDate Received:01/08/1969Water Type:Selected Flag:TRUE

Casing Material:Abandonment Rec:Audit No:Contractor:1503Tag:Form Version:1

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509890.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 12/10/1968

 Year Completed:
 1968

 Depth (m):
 21.9456

 Latitude:
 45.2419400572221

 Longitude:
 -75.9120371731854

 X:
 -75.912037012407

 Y:
 45.24194005041976

 Path:
 150\1509890.pdf

Bore Hole Information

Bore Hole ID: 10031922 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428420.70

 Code OB:
 East83:
 428420.70

 Code OB Desc:
 North83:
 5010232.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC: 4

Date Completed: 12/10/1968 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method: p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931013332

Layer:

Color:

General Color:

 Material 1:
 05

 Material 1 Desc:
 CLAY

 Material 2:
 09

Material 2 Desc: MEDIUM SAND

Material 3:

Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931013333

Layer: 2

Color:

General Color:

Material 1: 17
Material 1 Desc: SHALE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931013334

Layer: 3

Color:

General Color:

Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 72.0 Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961509890

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10580492

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930056475

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:
Depth To: 18.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056476

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:72.0Casing Diameter:5.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 991509890

Pump Set At:

Static Level:25.0Final Level After Pumping:32.0Recommended Pump Depth:50.0Pumping Rate:10.0

Flowing Rate:

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

Water Details

Flowing:

Water ID: 933464783

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

No

70.0

Water Found Depth:

Water Found Depth UOM:

1 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 3 **WWIS**

ON

Well ID: 1517086 Flowing (Y/N):

ft

Construction Date: Flow Rate: Domestic Data Entry Status: Use 1st:

Use 2nd: Data Src:

08/13/1979 Final Well Status: Water Supply Date Received: Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: Contractor: 1558 1

Form Version: Tag: Constructn Method: Owner:

County: Elevation (m): OTTAWA-CARLETON

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: UTM Reliability: Clear/Cloudy:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517086.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/09/1979 Year Completed: 1979 Depth (m): 45.4152

Latitude: 45.2418317884369 Longitude: -75.9131949278632 -75.9131947670598 X: Y: 45.241831781214096 Path: 151\1517086.pdf

Bore Hole Information

Bore Hole ID: 10038966 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

428329.70 Code OB: East83: Code OB Desc: North83: 5010221.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

07/09/1979 margin of error: 30 m - 100 m Date Completed: **UTMRC Desc:**

Order No: 24060700322

Remarks: Location Method: Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931034107

Layer: 3 Color: General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

73 Material 2: Material 2 Desc: HARD

Material 3:

Material 3 Desc:

Formation Top Depth: 45.0 140.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931034106

2 Layer: Color: 2 General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: 13

BOULDERS Material 2 Desc: Material 3: 79 **PACKED** Material 3 Desc: Formation Top Depth: 30.0 Formation End Depth: 45.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931034105 Formation ID:

Laver: Color: 6 **BROWN** General Color:

Material 1: 28 Material 1 Desc: SAND Material 2: 12 **STONES** Material 2 Desc: Material 3: 79 Material 3 Desc: **PACKED** Formation Top Depth: 0.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931034108

Layer: Color: General Color: **BLACK** Material 1: 15

LIMESTONE Material 1 Desc: Material 2: 80

Material 2 Desc: **POROUS**

Material 3:

Material 3 Desc:

140.0 Formation Top Depth: Formation End Depth: 149.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517086
Method Construction Code: 1
Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10587536

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

Casing ID: 930068336

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 149.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930068335

 Layer:
 1

Material:1Open Hole or Material:STEELDepth From:45.0Casing Diameter:6.0Casing Diameter UOM:inch

Casing Depth UOM:

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991517086

Pump Set At:

Static Level:30.0Final Level After Pumping:60.0Recommended Pump Depth:80.0Pumping Rate:9.0

Flowing Rate:

Recommended Pump Rate: 5.0 **Levels UOM:** ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLOUDY

Pumping Test Method:

2

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

Draw Down & Recovery

Pump Test Detail ID: 934382624 Test Type: Draw Down Test Duration: 30 Test Level: 60.0 Test Level UOM: ft

Draw Down & Recovery

934901608 Pump Test Detail ID: Draw Down Test Type: Test Duration: 60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934102623 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934644127 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 60.0 Test Level: Test Level UOM:

Water Details

Water ID: 933473495 Layer: 1

Kind Code: **FRESH** Kind: Water Found Depth: 90.0 Water Found Depth UOM: ft

Water Details

Water ID: 933473496 2 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 147.0 Water Found Depth UOM: ft

3 2 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 **WWIS** ON

1517204 Well ID: Construction Date:

Use 1st: Domestic Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material:

Flow Rate: Data Entry Status: Data Src:

Flowing (Y/N):

Date Received: 01/08/1980 Selected Flag: TRUE

Abandonment Rec:

Contractor: 3644 Form Version: 1

Audit No:

Tag:

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

Owner:

Constructn Method:

Elevation (m): County: OTTAWA-CARLETON

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517204.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 11/05/1979 Year Completed: 1979 Depth (m): 32.004

Latitude: 45.2418317884369 -75.9131949278632 Longitude: X: -75.9131947670598 Y: 45.241831781214096 151\1517204.pdf Path:

Bore Hole Information

Bore Hole ID: 10039081 Elevation: DP2RR Elevrc:

Spatial Status: Zone: 18 428329.70 East83: Code OB: Code OB Desc: North83: 5010221.00

Open Hole: Org CS: Cluster Kind: **UTMRC:**

Date Completed: 11/05/1979 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 24060700322

Remarks: Location Method:

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931034420

Layer: 2 Color: 2 General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 39.0 105.0 Formation End Depth:

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931034419

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 39.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517204

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10587651

 Casing No:
 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068471

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 40.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

ft

Results of Well Yield Testing

Casing Depth UOM:

Pumping Test Method Desc:PUMPPump Test ID:991517204

Pump Set At:

Static Level:35.0Final Level After Pumping:80.0Recommended Pump Depth:80.0Pumping Rate:5.0

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:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID: 934383150 Test Type: Draw Down Test Duration: 30 80.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102730 Test Type: Draw Down Test Duration: 15 Test Level: 0.08 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934893925 Test Type: Draw Down Test Duration: 60 Test Level: 80.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934644232 Draw Down Test Type: Test Duration: 45 80.0 Test Level: Test Level UOM: ft

Water Details

933473630 Water ID: Layer: 1 Kind Code: Kind: **FRESH** Water Found Depth: 101.0 Water Found Depth UOM: ft

3 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 3 **WWIS** ON

Well ID: 1517205

Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status: Data Src: Use 2nd: 0

Final Well Status: Water Supply Date Received: 01/08/1980 TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Audit No: Contractor: 3644 Tag: Form Version:

Constructn Method: Owner: **OTTAWA-CARLETON** Elevation (m): County:

Elevatn Reliabilty: 022 Lot: Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517205.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 11/05/1979 1979 Year Completed: 33.528 Depth (m):

Latitude: 45.2418317884369 Longitude: -75.9131949278632 -75.9131947670598 X: Y: 45.241831781214096 Path: 151\1517205.pdf

Bore Hole Information

Bore Hole ID: 10039082 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

428329.70 East83: Code OB: Code OB Desc: North83: 5010221.00

Open Hole: Org CS: Cluster Kind: **UTMRC**:

Date Completed: 11/05/1979 **UTMRC Desc:**

margin of error: 30 m - 100 m Location Method: Remarks:

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931034422

Layer: 2 Color: 2 **GREY** General Color: Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 39.0 110.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931034421

Layer: Color: 2 General Color: **GREY** Material 1: 28

Material 1 Desc: SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 39.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961517205Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10587652

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930068472

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 40.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991517205

35.0

Pump Set At: Static Level:

Final Level After Pumping: 70.0 Recommended Pump Depth: 70.0 Pumping Rate: 6.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 CLOUDY Water State After Test: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934893926

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 70.0

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934383151

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 70.0

 Test Level UOM:
 ft

ft

Draw Down & Recovery

 Pump Test Detail ID:
 934102731

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 70.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934644233

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 70.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933473631

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 109.0

 Water Found Depth UOM:
 ft

3 4 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 ON WWIS

 Well ID:
 1517874
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

Use 2nd: 0 Data Src:

Final Well Status:Water SupplyDate Received:08/20/1982Water Type:Selected Flag:TRUE

Casing Material:Abandonment Rec:Audit No:Contractor:3644

Tag: Form Version: 1

 Constructn Method:
 Owner:

 Elevation (m):
 County:
 OTTAWA-CARLETON

Elevatn Reliabilty:Lot:022Depth to Bedrock:Concession:09Well Depth:Concession Name:CON

Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:

Static Water Level: Zone:
Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517874.pdf

Additional Detail(s) (Map)

07/24/1982 Well Completed Date: Year Completed: 1982 Depth (m): 52.4256

45.2418317884369 Latitude: Longitude: -75.9131949278632 -75.9131947670598 X: Y: 45.241831781214096 Path: 151\1517874.pdf

Bore Hole Information

Bore Hole ID: 10039745 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 Code OB: 428329.70 East83: 5010221.00 Code OB Desc: North83:

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 07/24/1982 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m Location Method Desc:

Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock

Materials Interval

931036613 Formation ID:

Laver: Color: 6 General Color:

BROWN Material 1: 28 Material 1 Desc: SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

0.0 Formation Top Depth: Formation End Depth: 12.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931036614 Formation ID:

Layer: Color: General Color: **GREY** Material 1: 14 **HARDPAN** Material 1 Desc: Material 2:

Material 2 Desc: **GRAVEL**

Material 3:

Material 3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 57.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931036615

Layer: 3

Color:

General Color:
Material 1: 00

Material 1 Desc: UNKNOWN TYPE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 57.0
Formation End Depth: 172.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517874

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10588315

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069431

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:59.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 991517874

Pump Set At:

Static Level: 45.0 Final Level After Pumping: 80.0 Recommended Pump Depth: 80.0 Pumping Rate: 20.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 CLOUDY Water State After Test:

Pumping Test Method: 2
Pumping Duration HR: 1

Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934646951

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 75.0

 Test Level UOM:
 ft

0

Draw Down & Recovery

 Pump Test Detail ID:
 934377116

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 65.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934896224

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 80.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934103078

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 55.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933474455

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 150.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933474456

 Layer:
 3

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 170.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933474454

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 100.0

Water Found Depth UOM: ft

> 5 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 3 **WWIS** ON

Well ID: 1518015 Flowing (Y/N):

Construction Date: Flow Rate: Domestic Data Entry Status: Use 1st: Use 2nd: Data Src:

12/01/1982 Final Well Status: Water Supply Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: 3644 Contractor: Form Version: Tag: 1

Constructn Method: Owner: Elevation (m): County: OTTAWA-CARLETON

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Northing NAD83: Pump Rate: Static Water Level: Zone:

UTM Reliability: Clear/Cloudy: **GOULBOURN TOWNSHIP**

Municipality: Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518015.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/28/1982 Year Completed: 1982 Depth (m): 43.8912

Latitude: 45.2418317884369 Longitude: -75.9131949278632 -75.9131947670598 X: Y: 45.241831781214096 Path: 151\1518015.pdf

Bore Hole Information

Bore Hole ID: 10039886 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

428329.70 Code OB: East83: Code OB Desc: North83: 5010221.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

10/28/1982 margin of error: 30 m - 100 m Date Completed: **UTMRC Desc:**

Order No: 24060700322

Remarks: Location Method: Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931037070

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

Material 2 Desc: BOULDERS

Material 3: Material 3 Desc:

Formation Top Depth: 42.0 **Formation End Depth:** 53.0

Formation End Depth: 53. Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037068

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

Material 2 Desc: BOULDERS

Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037069

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931037071

 Layer:
 4

 Color:
 2

General Color: GREY **Material 1:** 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 53.0
Formation End Depth: 144.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961518015Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10588456

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

 Casing ID:
 930069673

 Layer:
 1

 Material:
 1

Open Hole or Material: STEEL

Depth From:

Depth To:54.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930069674

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 144.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:991518015

Pump Set At:

Static Level:50.0Final Level After Pumping:70.0Recommended Pump Depth:80.0Pumping Rate:10.0

Flowing Rate:

Recommended Pump Rate: 5.0 **Levels UOM:** ft

Draw Down & Recovery

No

Flowing:

 Pump Test Detail ID:
 934377671

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 70.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934103203

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 70.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934647505

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 70.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934896779

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 70.0

 Test Level UOM:
 ft

Water Details

Water ID: 933474635

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 120.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933474636

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 142.0

 Water Found Depth UOM:
 ft

3 6 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 ON WWIS

Well ID: 1518069 Construction Date:

Use 1st: Domestic

Use 2nd: 0

Final Well Status: Water Supply

Water Type: Casing Material: Audit No: omestic Data Entry Status:
Data Src:

Date Received: 01/11/1983 Selected Flag: TRUE

Abandonment Rec:

Flowing (Y/N):

Flow Rate:

Contractor: 3644 Form Version: 1

Tag:

Owner:

Constructn Method:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

 Overburden/Bedrock:
 Easting NAD83:

Pump Rate: Northing NAD83:
Static Water Level: Zone:
Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518069.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 09/21/1982

 Year Completed:
 1982

 Depth (m):
 25.6032

 Latitude:
 45.2418317884369

 Longitude:
 -75.9131949278632

 X:
 -75.9131947670598

 Y:
 45.241831781214096

 Path:
 151\1518069.pdf

Bore Hole Information

 Bore Hole ID:
 10039940
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428329.70

 Code OB Desc:
 North83:
 5010221.00

Open Hole: Org CS:
Cluster Kind: UTMRC:

Date Completed: 09/21/1982 UTMRC Desc: margin of error : 30 m - 100 m

Order No: 24060700322

Remarks: Location Method: p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931037254

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 15.0 Formation End Depth: 33.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931037253 Formation ID:

Layer: Color: 2 General Color: **GREY** Material 1: 11 Material 1 Desc: **GRAVEL**

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

0.0 Formation Top Depth: Formation End Depth: 15.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931037256

Layer: Color: 2 **GREY** General Color: 05 Material 1: Material 1 Desc: CLAY Material 2: 11 Material 2 Desc: **GRAVEL**

Material 3:

Material 3 Desc:

Formation Top Depth: 65.0 Formation End Depth: 75.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931037255 Formation ID:

Layer: 3 Color: 2 General Color: **GREY** Material 1: 15

LIMESTONE Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 33.0 Formation End Depth: 65.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037257

Layer: 5 2 Color: General Color: **GREY** Material 1: 15

LIMESTONE Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 75.0 Formation End Depth: 84.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518069

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10588510

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069767

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 84.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069766

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:35.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 991518069

Pump Set At:

Static Level:20.0Final Level After Pumping:50.0Recommended Pump Depth:50.0Pumping Rate:50.0Flowing Rate:50.0

Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 2

Water State After Test: CLOUDY
Pumping Test Method: 1

Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934897250 Test Type: Draw Down Test Duration: 60 Test Level: 50.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377725 Test Type: Draw Down Test Duration: 30 Test Level: 50.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103394 Test Type: Draw Down Test Duration: 15 Test Level: 50.0 Test Level UOM: ft

Draw Down & Recovery

934647559 Pump Test Detail ID: Draw Down Test Type: Test Duration: 45 50.0 Test Level: Test Level UOM: ft

Water Details

933474702 Water ID: Layer: 1 Kind Code: Kind: **FRESH** Water Found Depth: 70.0 Water Found Depth UOM: ft

Water Details

933474703 Water ID: Layer: 2 Kind Code: 1 Kind: **FRESH** Water Found Depth: 75.0 Water Found Depth UOM: ft

WNW/110.8 3 7 of 14 124.9 / 2.08 lot 22 con 9 **WWIS** ON

Well ID: 1518249 Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

06/06/1983 Final Well Status: Water Supply Date Received:

Selected Flag: TRUE Water Type:

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

Casing Material:

Abandonment Rec: Audit No: Contractor: 1558 Tag: Form Version: 1

Constructn Method: Owner:

Elevation (m): County: OTTAWA-CARLETON

Elevatn Reliabilty: 022 Lot: Depth to Bedrock: Concession: 09 Concession Name: CON Well Depth:

. Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality: Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518249.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/31/1983 1983 Year Completed: Depth (m): 49.3776

Latitude: 45.2418317884369 -75.9131949278632 Longitude: X: -75.9131947670598 Y: 45.241831781214096 Path: 151\1518249.pdf

Bore Hole Information

10040119 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 East83: Code OB: 428329.70 Code OB Desc: North83: 5010221.00

Open Hole: Org CS:

Cluster Kind: **UTMRC**:

Date Completed: 03/31/1983 **UTMRC Desc:** margin of error: 30 m - 100 m

Remarks: Location Method: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m Location Method Desc:

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931037833

Layer: Color: General Color: **GREY** Material 1: 05 Material 1 Desc: CLAY Material 2: 11 Material 2 Desc: **GRAVEL** Material 3: 81 Material 3 Desc: SANDY Formation Top Depth: 30.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037832

Layer: Color:

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 77

 Material 2 Desc:
 LOOSE

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931037835

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2:74Material 2 Desc:LAYERED

Material 3: Material 3 Desc:

Formation Top Depth: 150.0 Formation End Depth: 162.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037834

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 74

Material 2 Desc:LAYEREDMaterial 3:85Material 3 Desc:SOFTFormation Top Depth:60.0Formation End Depth:150.0Formation End Depth UOM:ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518249
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10588689

Casing No: Comment: Alt Name:

•

Construction Record - Casing

Casing ID: 930070040

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070041

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 162.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070039

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 60.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 991518249
Pump Set At:

Static Level:15.0Final Level After Pumping:35.0Recommended Pump Depth:50.0Pumping Rate:20.0

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: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934639377 Test Type: Draw Down Test Duration: 45 Test Level: 35.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103566 Draw Down Test Type: Test Duration: 15 35.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934378318 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 35.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934897838 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 35.0 Test Level: Test Level UOM:

Water Details

Water ID: 933474927 Layer: 1 Kind Code: **FRESH** Kind. Water Found Depth: 156.0 Water Found Depth UOM: ft

8 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 3 **WWIS** ON

Well ID: 1518340

Construction Date:

Use 1st: Domestic Use 2nd:

Water Supply Final Well Status:

Water Type: Casing Material: Audit No:

Tag: Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Municipality: **GOULBOURN TOWNSHIP** Selected Flag: TRUE Abandonment Rec: 3644 Contractor:

08/03/1983

Form Version: 1

Owner: **OTTAWA-CARLETON** County:

022 Lot: Concession: 09 Concession Name: CON

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

Flowing (Y/N):

Data Entry Status:

Date Received:

Flow Rate:

Data Src:

Order No: 24060700322

Clear/Cloudy:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518340.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 06/08/1983

 Year Completed:
 1983

 Depth (m):
 48.768

 Latitude:
 45.2418317884369

 Longitude:
 -75.9131949278632

 X:
 -75.9131947670598

 Y:
 45.241831781214096

 Path:
 151\1518340.pdf

Bore Hole Information

Bore Hole ID: 10040210 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428329.70

 Code OB Desc:
 North83:
 5010221.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 06/08/1983 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931038135

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

Material 3:

Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931038136

 Layer:
 2

 Color:
 2

 Constal Color:
 CREY

General Color: GREY Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc:

Material 3: Material 3 Desc:

Formation Top Depth: 48.0 Formation End Depth: 160.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518340

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10588780

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930070185

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 160.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070184

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:50.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 991518340

Pump Set At:

Static Level: 25.0
Final Level After Pumping: 140.0
Recommended Pump Depth: 140.0
Pumping Rate: 8.0
Flowing Rate: 6.0

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test:CLOUDYPumping Test Method:1Pumping Duration HR:1

Pumping Duration MIN:

0 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934378825 Test Type: Draw Down Test Duration: 30 Test Level: 140.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639885 Test Type: Draw Down Test Duration: 45 140.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934103656 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 140.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897928 Test Type: Draw Down Test Duration: 60 Test Level: 140.0 Test Level UOM: ft

Water Details

Water ID: 933475028 Layer: 1 Kind Code: Kind: **FRESH** Water Found Depth: 155.0 Water Found Depth UOM: ft

3 9 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 **WWIS** ON

1518341 Well ID: Flowing (Y/N): Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Water Supply 08/03/1983 Final Well Status: Date Received: Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: Contractor: 3644 Tag: Form Version: 1

Constructn Method: Owner: Elevation (m): County: OTTAWA-CARLETON

Elevatn Reliabilty: 022 Lot: Depth to Bedrock: Concession: 09 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518341.pdf

Additional Detail(s) (Map)

07/09/1983 Well Completed Date: Year Completed: 1983 Depth (m): 64.008

45.2418317884369 Latitude: Longitude: -75.9131949278632 -75.9131947670598 X: Y: 45.241831781214096 Path: 151\1518341.pdf

Bore Hole Information

Bore Hole ID: 10040211 Elevation: DP2BR: Elevrc:

Spatial Status: Zone:

18 Code OB: East83: 428329.70 Code OB Desc: North83: 5010221.00

Open Hole: Org CS: Cluster Kind: **UTMRC**:

Date Completed: 07/09/1983 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 24060700322

Location Method: Remarks: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Location Method Desc:

Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931038139

Layer: 3 Color: 2 General Color: **GREY** Material 1: 15

LIMESTONE Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 44.0 Formation End Depth: 210.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931038138

Layer: 2 2 Color:

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

Material 3: Material 3 Desc:

Formation Top Depth: 23.0 Formation End Depth: 44.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931038137

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 1 Desc: Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518341

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10588781

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930070187

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 210.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070186

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:46.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Final Level After Pumping:

Pumping Test Method Desc: BAILER
Pump Test ID: 991518341

Pump Set At: Static Level:

40.0 180.0 200.0

4.0

No

Recommended Pump Depth: Pumping Rate: Flowing Rate:

Recommended Pump Rate: 6.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 Water State After Test: **CLOUDY** Pumping Test Method: 2 **Pumping Duration HR:** 1 0 **Pumping Duration MIN:**

Draw Down & Recovery

Flowing:

 Pump Test Detail ID:
 934639886

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 170.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934103657

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 100.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934378826

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 140.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934897929

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 180.0

 Test Level UOM:
 ft

Water Details

Water ID: 933475030 **Layer:** 2

Map Key Number of Direction/ Elev/Diff Site DB

Kind Code: 1

Records

Kind: FRESH
Water Found Depth: 210.0
Water Found Depth UOM: ft

Water Details

Water Found Depth UOM:

 Water ID:
 933475029

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 160.0

3 10 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 ON WWIS

Well ID: 1518350 **Flowing (Y/N):**

Distance (m)

(m)

Construction Date: Flow Rate:

ft

Use 1st:DomesticData Entry Status:Use 2nd:0Data Src:

Final Well Status:Water SupplyDate Received:08/04/1983Water Type:Selected Flag:TRUE

Casing Material: Abandonment Rec:
Audit No: Contractor: 3142

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:OTTAWA-CARLETONElevatn Reliability:Lot:022

Elevath Reliability:Lot:022Depth to Bedrock:Concession:09Well Depth:Concession Name:CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518350.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 07/14/1983

 Year Completed:
 1983

 Depth (m):
 44.8056

 Latitude:
 45.2418317884369

 Longitude:
 -75.9131949278632

 X:
 -75.9131947670598

 Y:
 45.241831781214096

 Path:
 151\1518350.pdf

Bore Hole Information

Bore Hole ID: 10040220 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428329.70

 Code OB Desc:
 North83:
 5010221.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 4

Date Completed: 07/14/1983 UTMRC Desc: margin of error : 30 m - 100 m

Order No: 24060700322

Remarks: Location Method: p4

Location Method Desc:

Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931038171

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc:LIMESTONEMaterial 2:80Material 2 Desc:POROUS

Material 3: Material 3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 147.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931038170

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

Material 2 Desc:BOULDERSMaterial 3:79Material 3 Desc:PACKEDFormation Top Depth:0.0Formation End Depth:25.0Formation End Depth UOM:ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961518350Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10588790

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

Casing ID: 930070205

Layer: 1 Material: 1

Open Hole or Material:

Depth From:

Depth To: 26.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

STEEL

Construction Record - Casing

Casing ID: 930070206

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 147.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER**

Pump Test ID: 991518350

Pump Set At:

Static Level: 28.0 Final Level After Pumping: 60.0 Recommended Pump Depth: 80.0 Pumping Rate: 8.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: **CLOUDY** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 1 0 **Pumping Duration MIN:**

Draw Down & Recovery

Flowing:

934639895 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 60.0 Test Level: Test Level UOM: ft

No

Draw Down & Recovery

934103666 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 60.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934898355 Draw Down Test Type: Test Duration: 60 Test Level: 60.0 Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934378835

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 60.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933475041

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 120.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933475042

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 145.0

 Water Found Depth UOM:
 ft

3 11 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 ON WWIS

 Well ID:
 1518352
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

Use 1st: Domestic Data Entry Status: Use 2nd: 0 Data Src:

Final Well Status:Water SupplyDate Received:08/03/1983Water Type:Selected Flag:TRUE

Casing Material:

Audit No:

Contractor: 3644

Tag: Form Version: 1
Constructn Method: Owner:

 Elevation (m):
 County:
 OTTAWA-CARLETON

 Elevatn Reliability:
 Lot:
 022

 Penth to Redrock:
 Concession:
 09

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518352.pdf

Order No: 24060700322

Additional Detail(s) (Map)

 Well Completed Date:
 06/07/1983

 Year Completed:
 1983

 Depth (m):
 45.72

 Latitude:
 45.2418317884369

 Longitude:
 -75.9131949278632

 X:
 -75.9131947670598

 Y:
 45.241831781214096

151\1518352.pdf Path:

Bore Hole Information

Bore Hole ID: 10040222 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: 428329.70 East83: Code OB Desc: North83: 5010221.00

Open Hole: Org CS:

Cluster Kind: **UTMRC**:

Date Completed: 06/07/1983 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method: Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: **Supplier Comment:**

Overburden and Bedrock

Materials Interval

Formation ID: 931038176

Layer: Color: 2 General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: 11 **GRAVEL** Material 2 Desc:

Material 3:

Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 40.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931038178

Layer: Color: 2 General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

48.0 Formation Top Depth: Formation End Depth: 150.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931038177

Layer: 2 Color: General Color: **GREY**

Material 1: 11

Material 1 Desc: GRAVEL

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518352

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10588792

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930070209

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 50.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070210

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 991518352

Pump Set At:

Static Level:25.0Final Level After Pumping:80.0Recommended Pump Depth:80.0Pumping Rate:20.0

Flowing Rate:

Recommended Pump Rate: 15.0 Levels UOM: ft Rate UOM: GPM

Water State After Test Code:

Water State After Test: **CLOUDY**

Pumping Test Method: Pumping Duration HR: 1 **Pumping Duration MIN:** 0 No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934639897 Draw Down Test Type: Test Duration: 45 80.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934103668 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 80.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934898357 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 80.0 Test Level: Test Level UOM:

Draw Down & Recovery

934378837 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 80.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933475045 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 145.0 Water Found Depth UOM: ft

3 12 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 **WWIS** ON

1519231 Well ID: Flowing (Y/N):

Construction Date:

Flow Rate: Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply 09/05/1984 Date Received:

TRUE Water Type: Selected Flag: Casing Material: Abandonment Rec: 1558 Audit No: Contractor: Tag:

Form Version: 1 Constructn Method: Owner:

erisinfo.com | Environmental Risk Information Services

Map Key Number of Direction/ Elev/Diff Site DB

UTM Reliability:

Order No: 24060700322

Records Distance (m) (m)

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy:

Municipality: GOULBOURN TOWNSHIP

Municipality: GOULBOURN TOWNSI Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519231.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 08/21/1984

 Year Completed:
 1984

 Depth (m):
 47.244

 Latitude:
 45.2418317884369

 Longitude:
 -75.9131949278632

 X:
 -75.9131947670598

 Y:
 45.241831781214096

 Path:
 151\1519231.pdf

Bore Hole Information

Bore Hole ID: 10041101 Elevation:

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428329.70

 Code OB Desc:
 North83:
 5010221.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 08/21/1984 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931041029

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3: Material 3 Desc:

Formation Top Depth: 57.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041030

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 150.0 Formation End Depth: 155.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041027

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

Material 2 Desc:BOULDERSMaterial 3:79Material 3 Desc:PACKEDFormation Top Depth:0.0Formation End Depth:5.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041028

2 Layer: Color: General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: 11 Material 2 Desc: **GRAVEL** Material 3: 79 Material 3 Desc: **PACKED** Formation Top Depth: 5.0 Formation End Depth: 57.0 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519231

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10589671

Casing No:

Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930071769

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 60.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

 Casing ID:
 930071771

 Layer:
 3

 Material:
 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 155.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930071770

 Layer:
 2

Material: 4
Open Hole or Material: OPEN HOLE

Open Hole or Material: Depth From:

Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991519231

Pump Set At:

Static Level: 15.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 60.0
Pumping Rate: 20.0
Flowing Rate:

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

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

Draw Down & Recovery

Pump Test Detail ID:934652742Test Type:Draw Down

 Test Duration:
 45

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934901710

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934382209

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934107471

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 40.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933476155

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 152.0

 Water Found Depth UOM:
 ft

3 13 of 14 WNW/110.8 124.9 / 2.08 lot 22 con 9 ON WWIS

 Well ID:
 1519307
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

 Use 2nd:
 0
 Data Src:

Final Well Status:Water SupplyDate Received:10/25/1984Water Type:Selected Flag:TRUE

Casing Material:

Abandonment Rec:

Audit No:

Contractor:

3644

Tag: Contractor: 3044

Constructn Method: Owner:

Elevation (m): County: OTTAWA-CARLETON
Elevatn Reliabilty: Lot: 022

Depth to Bedrock:

Concession:

O9

Well Depth:

Concession Name:

CON

Concession Name:

CON

Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Clear/Cloudy: U7
Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519307.pdf

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

Records

Distance (m)

DB

Order No: 24060700322

Additional Detail(s) (Map)

Well Completed Date: 08/30/1984 Year Completed: 1984 56.388 Depth (m):

Latitude: 45.2418317884369 -75.9131949278632 Longitude: X: -75.9131947670598 Y: 45.241831781214096 151\1519307.pdf Path:

Bore Hole Information

Bore Hole ID: 10041177 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: 428329.70 Code OB: East83: Code OB Desc: North83: 5010221.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 08/30/1984 Date Completed: UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method:

Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m Location Method Desc:

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

931041265 Formation ID: Layer: 2 Color: 2 General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

26.0 Formation Top Depth: Formation End Depth: 185.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041264

Layer: Color: 2 General Color: **GREY** Material 1: 28 SAND Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

0.0 Formation Top Depth:

Formation End Depth: 26.0 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519307

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589747

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930071895

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To: 28.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071896

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 185.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:991519307

Pump Set At:

Static Level:25.0Final Level After Pumping:90.0Recommended Pump Depth:100.0Pumping Rate:5.0

Flowing Rate:

Recommended Pump Rate: 5.0 **Levels UOM:** ft

Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934107545

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 90.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934382701

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 90.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934901785

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 90.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934652119

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 90.0

 Test Level UOM:
 ft

Water Details

3

 Water ID:
 933476250

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 180.0

 Water Found Depth UOM:
 ft

Well ID: 1519380

14 of 14

Construction Date:

Use 1st: Domestic Use 2nd: 0

Final Well Status: Water Supply

Water Type: Casing Material: Audit No: Tag:

Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: WNW/110.8 124.9 / 2.08 lot 22 con 9 ON

Flowing (Y/N):
Flow Rate:
Data Entry Status

Data Entry Status: Data Src:

Date Received: 12/13/1984
Selected Flag: TRUE

Abandonment Rec:

Contractor: 1558 Form Version: 1

Owner:

County: OTTAWA-CARLETON

 Lot:
 022

 Concession:
 09

 Concession Name:
 CON

Easting NAD83: Northing NAD83:

Zone:

WWIS

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (

UTM Reliability:

Order No: 24060700322

Clear/Cloudy: Municipality:

funicipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519380.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 08/23/1984

 Year Completed:
 1984

 Depth (m):
 62.1792

 Latitude:
 45.2418317884369

 Longitude:
 -75.9131949278632

 X:
 -75.9131947670598

 Y:
 45.241831781214096

 Path:
 151\1519380.pdf

Bore Hole Information

Bore Hole ID: 10041250 Elevation:

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428329.70

 Code OB Desc:
 North83:
 5010221.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 08/23/1984 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method: p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931041505

Layer: Color: 6 **BROWN** General Color: Material 1: 28 Material 1 Desc: SAND Material 2: 11 Material 2 Desc: **GRAVEL** Material 3: Material 3 Desc: **PACKED** Formation Top Depth: 0.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041506

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2:11Material 2 Desc:GRAVELMaterial 3:79Material 3 Desc:PACKEDFormation Top Depth:6.0Formation End Depth:29.0Formation End Depth UOM:ft

Overburden and Bedrock Materials Interval

Formation ID: 931041507

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3: Material 3 Desc:

Formation Top Depth: 29.0 Formation End Depth: 150.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041508

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3:

Material 3 Desc:

Formation Top Depth: 150.0 Formation End Depth: 204.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961519380Method Construction Code:5

Method Construction: Air Percussion

Other Method Construction:

<u>Pipe Information</u>

Pipe ID: 10589820

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072019

Layer: 2 Material: 4

Open Hole or Material:

Depth From:

OPEN HOLE

Depth To: 204.0 Casing Diameter: 6.0 Casing Diameter UOM: inch ft Casing Depth UOM:

Construction Record - Casing

Casing ID: 930072018

Layer: Material: 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 Pumping Test Method Desc: 991519380

Pump Test ID:

Pump Set At: Static Level:

26.0 90.0

Final Level After Pumping: Recommended Pump Depth: 150.0 Pumping Rate: 6.0 Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLOUDY** Water State After Test:

Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

934108037 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 50.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934652189 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 Test Level: 90.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934382774 Draw Down Test Type: Test Duration: 30 Test Level: 90.0 Test Level UOM:

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

Draw Down & Recovery

Pump Test Detail ID: 934893513 Test Type: Draw Down Test Duration: 60 90.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933476349 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 204.0 Water Found Depth UOM: ft

4 1 of 1 ESE/118.4 121.9 / -0.89 1384341 Ontario Ltd. **PTTW**

ON

012-6845 Decision Posted: EBR Registry No: Ministry Ref No: 1048-A6RS8U Exception Posted: Notice Type: Instrument Proposal Section:

Act 1: Notice Stage: Notice Date: February 22, 2016 Act 2:

Proposal Date: February 22, 2016 Site Location Map:

2016 Year:

Instrument Type: (OWRA s. 34) - Permit to Take Water

Off Instrument Name:

Posted By:

Company Name: 1384341 Ontario Ltd.

Site Address: Location Other: Proponent Name: Proponent Address:

9094 Cavanagh Road, Ashton Ontario, Canada K0A 1B0

Comment Period:

URL:

Site Location Details:

Site #1: 1845,1877,1883,1921 Stittsville Main Street and 74 Hartsmere Court Lot: 22,23,24 and 25, Concession: 9, Geographic Township: Goulbourn, City of Ottawa Site #2: 70 Friendly Crescent Lot: 24, Concession: 9, Geographic Township: Goulbourn, City of Ottawa Site #3: 5970 Fernbank Road, 5993 Flewellyn Road and 6070 Fernbank Road Lot: 25, Concession: 9, Geographic Township: Goulbourn, City of Ottawa CITY OF OTTAWA **GOULBOURN**

1876 STITTSVILLE MAINE STREET lot 22 con 9 5 1 of 1 NW/139.4 124.3 / 1.46 **WWIS** STITTSVILLE ON

Order No: 24060700322

Well ID: 7156131

Flowing (Y/N): Flow Rate: Construction Date: Data Entry Status: Use 1st: Use 2nd: Data Src:

Final Well Status: Date Received: 12/09/2010 Abandoned-Other Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Yes Audit No: Z115621 Contractor: 1558 Form Version:

Constructn Method: Owner: Elevation (m): County: OTTAWA-CARLETON Map Key Number of Direction/ Elev/Diff Site DB

UTM Reliability:

Order No: 24060700322

Records Distance (m) (m)

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP

Municipality: GOULBOURN TOWNSHIF Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7156131.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 09/22/2010

 Year Completed:
 2010

Depth (m):

 Latitude:
 45.242446901643

 Longitude:
 -75.9128187077405

 X:
 -75.91281854730114

 Y:
 45.24244689522276

 Path:
 715√7156131.pdf

Bore Hole Information

 Bore Hole ID:
 1003434959
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428360.00

 Code OB Desc:
 North83:
 5010289.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

Date Completed: 09/22/2010 UTMRC Desc: margin of error: 10 - 30 m

Remarks: Location Method: wwr Location Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003733600

Layer:

Plug From: 53.29999923706055

Plug To: 0.0 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003733598

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1003733592

0 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003733596

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

cm Casing Depth UOM:

Construction Record - Screen

Screen ID: 1003733597

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

m Screen Diameter UOM: cm

Screen Diameter:

Water Details

Water ID: 1003733595

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003733594

Diameter: Depth From: Depth To:

Hole Depth UOM: m Hole Diameter UOM: cm

1877 STITTSVILLE MAIN ST. lot 22 con 9 6 1 of 1 NNW/139.8 123.0 / 0.16 **WWIS** STITTSVILLE ON

Well ID: 7328234 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Data Entry Status: Not Used Use 2nd: Data Src:

Final Well Status: Abandoned-Other Date Received: 02/13/2019 Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec: Yes

Audit No: Z252122 Contractor: 4875 Tag: Form Version: Constructn Method:

Owner: Elevation (m): County: **OTTAWA-CARLETON**

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09

Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/732\7328234.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/22/2019
Year Completed: 2019

Depth (m):

 Latitude:
 45.2425766739809

 Longitude:
 -75.9123493400829

 X:
 -75.91234917860766

 Y:
 45.24257666735177

 Path:
 732\7328234.pdf

Bore Hole Information

Bore Hole ID: 1007370714 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428397.00

 Code OB Desc:
 North83:
 5010303.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

Date Completed: 01/22/2019 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: www

Location Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1007701289

Layer: 1 Plug From: 0.0

Plug To: 24.700000762939453

Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007701292

Layer: 2

Plug From: Plug To:

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1007701291

Layer: 1
Plug From: 0.0

Plug To: 24.700000762939453

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

 Plug ID:
 1007701290

 Laver:
 2

Layer: Plug From:

Plug To:

Plug Depth UOM:

Pipe Information

Pipe ID: 1007701271

Casing No: Comment: Alt Name:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1007701310

 Pump Set At:
 10.399999618530273

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft

Rate UOM:

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

Hole Diameter

Hole ID: 1007701299

Diameter: 15.239999771118164

Depth From: 0.0

Depth To: 24.700000762939453

Hole Depth UOM: ft
Hole Diameter UOM: inch

7 1 of 1 NW/142.3 123.9 / 1.12

0

Borehole ID: 609456 Inclin FLG: No

 OGF ID:
 215511072
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

ON

BORE

Order No: 24060700322

Status:Surv Elev:NoType:BoreholePiezometer:No

Use: Primary Name: Completion Date: Municipality:

Static Water Level:-5.5Lot:Primary Water Use:Township:

Sec. Water Use: Latitude DD: 45.24229

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

-999 -75.91319 Total Depth m: Longitude DD:

Depth Ref: **Ground Surface** UTM Zone: 18 428331 Depth Elev: Easting: 5010272 Drill Method: Northing:

Orig Ground Elev m: 121 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable **DEM Ground Elev m:** 125 Concession:

Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID: 218383266 Mat Consistency: Top Depth: Material Moisture: 0 Bottom Depth: Material Texture: .5 Material Color: Non Geo Mat Type: Material 1: Soil Geologic Formation:

Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

SOIL. Stratum Description:

Geology Stratum ID: 218383267 Mat Consistency: Top Depth: .5 Material Moisture: **Bottom Depth:** Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: **Bedrock** Geologic Formation:

Material 2: Limestone Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: BEDROCK, LIMESTONE. GREY. 00150 AT 418.0 FEET. 17500. 00106 SEISMIC VELOCITY = **Note: Many

records provided by the department have a truncated [Stratum Description] field.

<u>Source</u>

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: Μ Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 019640 NTS_Sheet: 31G04E Source Details:

Reliable information but incomplete. Confiden 1:

Source List

Source Identifier: 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)

Geological Survey of Canada Source Originators:

1 of 2 S/145.3 124.9 / 2.08 lot 22 con 9 8 **WWIS**

Order No: 24060700322

1518644 Well ID: Flowing (Y/N):

Construction Date: Flow Rate:

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

Data Entry Status:

Use 1st: Domestic

Use 2nd:

Data Src: 11/23/1983 Final Well Status: Water Supply Date Received:

Selected Flag: TRUE Water Type: Casing Material: Abandonment Rec:

Audit No: 1558 Contractor: Tag: Form Version: 1 Constructn Method: Owner:

County: Elevation (m): OTTAWA-CARLETON

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518644.pdf

Additional Detail(s) (Map)

10/04/1983 Well Completed Date: Year Completed: 1983 Depth (m): 53.34

45.2400418876666 Latitude: Longitude: -75.9118921312324 X: -75.91189196973185 Y: 45.24004188157846 151\1518644.pdf Path:

Bore Hole Information

Bore Hole ID: 10040514 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone:

Code OB: East83: 428429.70 Code OB Desc: North83: 5010021.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 10/04/1983 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 24060700322

Remarks: Location Method:

Location Method Desc:

Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc: Location Source Date:

Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931039070 Formation ID:

Layer: Color: General Color: **GREY** Material 1: 21 Material 1 Desc: **GRANITE** Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3:

Material 3 Desc:

Formation Top Depth: 54.0 Formation End Depth: 175.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039068

Layer: 2 Color: General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: PACKED Material 2 Desc:

Material 3: Material 3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 50.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039067

Layer:

Color: 6 General Color:

BROWN Material 1: 28 SAND Material 1 Desc: Material 2: 13 **BOULDERS** Material 2 Desc:

Material 3: 79 Material 3 Desc: **PACKED** Formation Top Depth: 0.0 Formation End Depth: 10.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039069

Layer: 3 Color: 2 General Color: **GREY** Material 1: 28 SAND Material 1 Desc: Material 2: 11 **GRAVEL** Material 2 Desc: Material 3: Material 3 Desc: **BOULDERS**

Formation Top Depth: 50.0 Formation End Depth: 54.0 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518644

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10589084

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930070722

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 175.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070721

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:57.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 991518644

Pump Set At:

Static Level:40.0Final Level After Pumping:100.0Recommended Pump Depth:130.0Pumping Rate:7.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLOUDY

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

Draw Down & Recovery

 Pump Test Detail ID:
 934649942

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 100.0

 Test Level UOM:
 ft

Draw Down & Recovery

934899481 Pump Test Detail ID: Draw Down Test Type: Test Duration: 60 100.0 Test Level: Test Level UOM:

Draw Down & Recovery

934103956 Pump Test Detail ID: Draw Down Test Type: Test Duration: 15 Test Level: 100.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934379961 Test Type: Draw Down Test Duration: 30 100.0 Test Level: Test Level UOM: ft

Water Details

933475403 Water ID:

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 170.0 Water Found Depth UOM:

Water Details

933475402 Water ID:

Layer: 1 Kind Code: **FRESH** Kind: Water Found Depth: 155.0 Water Found Depth UOM: ft

124.9 / 2.08 2 of 2 8 ON

lot 22 con 9

County:

WWIS

Order No: 24060700322

1519542 Well ID: Flowing (Y/N):

Construction Date: Flow Rate:

S/145.3

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 04/24/1985 TRUE

Water Type: Selected Flag: Casing Material: Abandonment Rec: Audit No: Contractor: 1558 Tag:

Form Version: 1 Constructn Method: Owner: OTTAWA-CARLETON Elevation (m):

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Clear/Cloudy: UTM Reliability:
Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519542.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 04/18/1985

 Year Completed:
 1985

 Depth (m):
 51.816

 Latitude:
 45.2400418876666

 Longitude:
 -75.9118921312324

 X:
 -75.91189196973185

 Y:
 45.24004188157846

 Path:
 151\1519542.pdf

Bore Hole Information

Bore Hole ID: 10041412 Elevation:

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428429.70

 Code OB Desc:
 North83:
 5010021.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 04/18/1985 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 24060700322

Remarks: Location Method: p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931041997

Layer: Color: 2 General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: 11 Material 2 Desc: **GRAVEL** Material 3: 13 Material 3 Desc: **BOULDERS** Formation Top Depth: 0.0

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041998

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2:

Material 2 Desc: BOULDERS

Material 3: Material 3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041999

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 12.0
Formation End Depth: 47.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931042000

 Layer:
 4

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3:73Material 3 Desc:HARDFormation Top Depth:47.0Formation End Depth:170.0Formation End Depth UOM:ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961519542Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10589982

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

 Casing ID:
 930072313

 Layer:
 2

 Material:
 4

Open Hole or Material:

Depth From:

OPEN HOLE

Depth To: 170.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930072312

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:50.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 991519542

Pump Set At:

Static Level: 15.0 Final Level After Pumping: 120.0 Recommended Pump Depth: 150.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLOUDY** Water State After Test: Pumping Test Method: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934653326

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 120.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934109175

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 120.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934894088

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 120.0

 Test Level UOM:
 ft

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

Draw Down & Recovery

Pump Test Detail ID: 934383349 Test Type: Draw Down Test Duration: 30 120.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933476573 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 160.0 Water Found Depth UOM: ft

9 1 of 1 W/149.5 124.6 / 1.77 506 CRESSWELL COURT, STITTSVILLE **PINC** ON

Incident Id: 2687514 Pipe Material:

531098 Natural Gas Incident No: Fuel Category:

Incident Reported Dt:

Health Impact: No Type: FS-Pipeline Incident Environment Impact: No Status Code: Pipeline Damage Reason Est Property Damage: Yes Tank Status: RC Established Service Interrupt: Yes 3228239 Enforce Policy: Task No: Yes Spills Action Centre: N/A Public Relation: No Pipeline System:

Fuel Type: Natural Gas Pipeline Strike Fuel Occurrence Tp:

PSIG: Date of Occurrence: 2/4/2011 0:00 FS-Perform P-line Inc Invest Attribute Category:

Occurrence Start Dt: 2011/03/08 Regulator Location:

Depth: Method Details: E-mail

Customer Acct Name: Incident Address:

Operation Type: Construction Site (pipeline strike)

Pipeline Type: Regulator Type:

Summary: 506 CRESSWELL COURT, STITTSVILLE - 1/2" PIPELINE HIT

ALAN ARMSTRONG - ENBRIDGE OTTAWA Reported By:

Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

Occurrence Desc: no locates

Damage Reason: Excavation practices not sufficient

Notes:

S/171.9 10 1 of 4 124.9 / 2.08 lot 22 con 9 **WWIS** ON

Order No: 24060700322

Well ID: 1532214 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 09/17/2001

Water Type: TRUE Selected Flag:

Casing Material: Abandonment Rec: Audit No: 1558 230230 Contractor:

Tag: Form Version: Constructn Method: Owner:

OTTAWA-CARLETON Elevation (m): County:

Elevatn Reliabilty: 022 Lot: Depth to Bedrock: Concession: 09

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

Well Depth: CON Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532214.pdf

Additional Detail(s) (Map)

Site Info:

08/27/2001 Well Completed Date: Year Completed: 2001 Depth (m): 29.8704

45.2398058932851 Latitude: -75.9121368086564 Longitude: X: -75.91213664829648 Y: 45.239805886287435 Path: 153\1532214.pdf

Bore Hole Information

10516664 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 428410.20 Code OB Desc: North83: 5009995.00 Open Hole: Org CS:

Cluster Kind: **UTMRC**: **UTMRC Desc:** unknown UTM Date Completed: 08/27/2001

Location Method: Remarks: lot

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 932832197 3 Layer: Color: 2 General Color: **GREY** Material 1:

LIMESTONE Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 98.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832196 2 Layer:

Color: 6

General Color: BROWN
Material 1: 28
Material 1 Desc: SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832195

Layer: 1 Color: 6

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961532214

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 11065234

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930094340

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

Construction Record - Casing

Casing ID: 930094341

Layer: 2

Material:

Open Hole or Material:

Depth From: Depth To:

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

Construction Record - Casing

Casing ID: 930094342

Layer: Material:

Open Hole or Material: **OPEN HOLE**

Depth From: Depth To:

Casing Diameter: 5.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 991532214

Pump Set At:

Static Level: 11.0 Final Level After Pumping: 18.0 Recommended Pump Depth: 70.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: **GPM** Rate UOM: Water State After Test Code: CLOUDY Water State After Test: Pumping Test Method: 2

Pumping Duration HR:

Pumping Duration MIN:

No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934917229 Draw Down Test Type: Test Duration: 60 18.0 Test Level: Test Level UOM:

Draw Down & Recovery

934399404 Pump Test Detail ID: Draw Down Test Type: Test Duration: 30 18.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934660343 Test Type: Draw Down Test Duration: 45 Test Level: 18.0 Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934116207

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 18.0

 Test Level UOM:
 ft

Water Details

Water ID: 934008339

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 70.0
Water Found Depth UOM: ft

Water Details

Water ID: 934008340

Layer: 2 Kind Code: 5

Kind: Not stated
Water Found Depth: 88.0
Water Found Depth UOM: ft

10 2 of 4 S/171.9 124.9 / 2.08 lot 22 con 9 ON WWIS

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

09/17/2001

OTTAWA-CARLETON

Order No: 24060700322

TRUE

1558

022 09

CON

1

Flow Rate:

Data Src:

Well ID: 1532215 Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 230229

Tag:

Constructn Method:

Elevation (m):

Elevatn Reliabilty: Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532215.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 08/27/2001

 Year Completed:
 2001

 Depth (m):
 30.48

 Latitude:
 45.2398058932851

 Longitude:
 -75.9121368086564

 X:
 -75.91213664829648

 Y:
 45.239805886287435

 Path:
 153\1532215.pdf

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

Elevation:

18

428410.20 5009995.00

unknown UTM

Order No: 24060700322

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Records

Bore Hole Information

Bore Hole ID: 10516665

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

08/27/2001 Date Completed:

Remarks:

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

932832199 Formation ID:

Layer: Color: General Color: **BROWN** Material 1: 28 Material 1 Desc: SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 5.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832200

Layer: 3 Color: **GREY** General Color: Material 1: 15 Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3:

Material 3 Desc: Formation Top Depth:

24.0 100.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 932832198

Layer: Color: 6 General Color: **BROWN** Material 1: 28

Material 1 Desc:SANDMaterial 2:12Material 2 Desc:STONES

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933219669

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 30.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961532215Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 11065235

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930094343

 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

Construction Record - Casing

Casing ID: 930094345

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To:

Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930094344

 Layer:
 2

Material:

Open Hole or Material:

OPEN HOLE

Depth From: Depth To:

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

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:991532215

Pump Set At:

Static Level: 14.0

Final Level After Pumping: 20.0

Recommended Pump Depth: 70.0

Pumping Rate: 10.0

Flowing Rate: 5.0

Levels UOM: ft

Rate UOM: GPM

Rate UOM: Water State After Test Code: Water State After Test:

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

Draw Down & Recovery

 Pump Test Detail ID:
 934917230

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934660344

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934116208

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934399405

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 20.0

 Test Level UOM:
 ft

Water Details

Water ID: 934008342

 Layer:
 2

 Kind Code:
 5

Kind: Not stated
Water Found Depth: 91.0
Water Found Depth UOM: ft

Water Details

Water ID: 934008341

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 76.0
Water Found Depth UOM: ft

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 Well ID:
 1532224
 Flowing (Y/N):

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 09/17/2001
Water Type: Selected Flag: TRUE
Casing Material: Abandonment Rec:

 Audit No:
 230232
 Contractor:
 1558

 Tag:
 Form Version:
 1

Constructn Method: Owner:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532224.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 08/02/2001

 Year Completed:
 2001

 Depth (m):
 54.864

 Latitude:
 45.2398058932851

 Longitude:
 -75.9121368086564

 X:
 -75.91213664829648

 Y:
 45.239805886287435

 Path:
 153\1532224.pdf

Bore Hole Information

Bore Hole ID: 10516674 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428410.20

 Code OB Desc:
 North83:
 5009995.00

Open Hole: Org CS:

UTMRC:

UTMRC Desc:

Location Method:

unknown UTM

Order No: 24060700322

lot

Cluster Kind:

Date Completed: Remarks:

08/02/2001

Location Method Desc:

Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

932832222 Formation ID:

Layer:

Color: 6

General Color: **BROWN** Material 1: 28 Material 1 Desc: SAND Material 2: 11 Material 2 Desc: **GRAVEL**

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832225

Layer: Color: 2 General Color: **GREY** Material 1: 18

SANDSTONE Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 160.0 Formation End Depth: 180.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832224

Layer: 3 Color: **GREY** General Color: Material 1:

Material 1 Desc: LIMESTONE Material 2:

Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 160.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

932832223 Formation ID:

Layer: 6 Color: General Color: **BROWN** 17 Material 1: Material 1 Desc: SHALE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

6.0 Formation Top Depth: Formation End Depth: 10.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

933219676 Plug ID: Layer: Plug From: 0.0 21.0 Plug To: Plug Depth UOM:

Method of Construction & Well

Use

Method Construction ID: 961532224

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

11065244 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

930094360 Casing ID:

Layer: 2

Material:

OPEN HOLE Open Hole or Material:

Depth From: Depth To:

6.0 Casing Diameter: Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930094359

Layer: Material: STEEL Open Hole or Material:

Depth From: Depth To:

Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930094361

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To: OI LIVIIOLE

Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:991532224

Pump Set At:

991532224

Static Level:14.0Final Level After Pumping:70.0Recommended Pump Depth:160.0Pumping Rate:10.0

Flowing Rate:

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934660352

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934917238

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 23.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934116216

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 16.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934399830

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 18.0

 Test Level UOM:
 ft

Water Details

Water ID: 934008352

Layer: 2 Kind Code: 5

Kind: Not stated
Water Found Depth: 170.0
Water Found Depth UOM: ft

Water Details

Water ID: 934008351

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 50.0
Water Found Depth UOM: ft

10 4 of 4 S/171.9 124.9 / 2.08 lot 22 con 9 ON WWIS

Well ID: 1532395 Flowing (Y/N):

Construction Date: Flow Rate:

Use 1st: Domestic Pata Entry Status

Use 1st: Domestic Data Entry Status:
Use 2nd: Data Src:

Final Well Status:Water SupplyDate Received:11/27/2001Water Type:Selected Flag:TRUE

Casing Material:

Abandonment Rec:

Audit No: 230285

Contractor: 1558

Tag: Form Version: 1
Constructn Method: Owner:
Elevation (m): County: OTTAWA-CARLETON

 Elevation (m):
 County:
 OTTAL

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Mail Bonth:
 Concession Name:
 CON

Depth to Bedrock:Concession:09Well Depth:Concession Name:CONOverburden/Bedrock:Easting NADS:

Pump Rate: Northing NAD83: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532395.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 10/15/2001

 Year Completed:
 2001

 Depth (m):
 54.864

 Latitude:
 45.2398058932851

 Longitude:
 -75.9121368086564

 X:
 -75.91213664829648

 Y:
 45.239805886287435

 Path:
 153\1532395.pdf

Bore Hole Information

Bore Hole ID: 10516845

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:
Date Completed: 10/15/2001

Remarks:

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 932832715

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Material 1:
 17

 Material 1 Desc:
 SHALE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 8.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832716

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: Material 2: Material 2 Desc:

Material 3: Material 3 Desc:

Formation Top Depth: 11.0 Formation End Depth: 180.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932832714

Layer: 1 **Color:** 6

General Color: BROWN

Material 1: 02

Material 1 Desc: TOPSOIL

Material 2: 12

Material 2 Desc: STONES

Elevation:

Elevrc: Zone: 18

East83: 428410.20 North83: 5009995.00

Org CS:

UTMRC:

UTMRC Desc: unknown UTM

Location Method: lot

LIMESTONE

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 8.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933219837

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961532395

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 11065415

Casing No:

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930094734

 Laver:
 3

Layer: 3

Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To:

Casing Diameter: 5.0
Casing Diameter UOM: inch

Casing Depth UOM: In

Construction Record - Casing

Casing ID: 930094733

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: Casing Diameter:

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

Construction Record - Casing

Casing ID: 930094732

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 Pumping Test Method Desc: Pump Test ID: 991532395

Pump Set At:

Static Level: 19.0 Final Level After Pumping: 36.0 150.0 Recommended Pump Depth: Pumping Rate: 16.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: GPM Rate UOM:

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

Draw Down & Recovery

934660923 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 35.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934918364 Test Type: Draw Down Test Duration: 60 36.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934116787 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 31.0 Test Level UOM:

Draw Down & Recovery

934400956 Pump Test Detail ID: Draw Down Test Type: Test Duration: 30 Test Level: 33.0 Test Level UOM:

Water Details

Water ID: 934008579 Layer:

Map Key Number of Direction/ Elev/Diff Site DB

Records Dis

Kind: Not stated
Water Found Depth: 175.0
Water Found Depth UOM: ft

1 of 1 S/172.0 124.9 / 2.08 lot 22 con 9

Well ID: 1531695 Flowing (Y/N):
Construction Date: Flow Rate:

Distance (m)

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src: 1

Final Well Status:Water SupplyDate Received:01/03/2001Water Type:Selected Flag:TRUE

(m)

Casing Material: Abandonment Rec:
Audit No: 222843 Contractor:

Audit No:222843Contractor:1119Tag:Form Version:1Constructn Method:Owner:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531695.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 10/28/2000

 Year Completed:
 2000

 Depth (m):
 121.92

 Latitude:
 45.2398058424102

 Longitude:
 -75.912143178424

 X:
 -75.91214301734975

 Y:
 45.23980583505192

 Path:
 153\1531695.pdf

Bore Hole Information

 Bore Hole ID:
 10053229
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428409.70

 Code OB Desc:
 North83:
 5009995.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed: 10/28/2000 UTMRC Desc: unknown UTM

Order No: 24060700322

Remarks: Location Method: lot

Location Method Desc: Lot centroid Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931079269

Layer:

Color:

General Color:

 Material 1:
 26

 Material 1 Desc:
 ROCK

 Material 2:
 71

Material 2 Desc: FRACTURED

Material 3:

Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931079270

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 3.0
Formation End Depth: 400.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933116862

 Layer:
 1

 Plug From:
 2.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961531695

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10601799

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930093233

Layer: 3
Material: 4

Open Hole or Material:

Depth From: Depth To:

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

OPEN HOLE

Construction Record - Casing

Casing ID: 930093231

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From: Depth To:

Casing Diameter: 9.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930093232

Layer: 2
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

Pumping Test Method Desc:

Pump Test ID: 991531695

Pump Set At:
Static Level: 17.0
Final Level After Pumping: 223.0
Recommended Pump Depth: 300.0
Pumping Rate: 5.0

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:

Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934658652

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 184.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934397716

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 129.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934114100

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 56.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934916098

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 223.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933492266

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 320.0

 Water Found Depth UOM:
 ft

12 1 of 4 S/172.4 124.9 / 2.08 1384341 Ontario Ltd. and Monarch Corporation ECA

Ottawa ON K2C 3H2

Ottawa

45.2398

Order No: 24060700322

 Approval No:
 1247-7JUJHJ
 MOE District:

 Approval Date:
 2008-09-26
 City:

 Status:
 Approved
 Longitude:
 -75.91210000000001

Record Type:ECALatitude:Link Source:IDSGeometry X:SWP Area Name:Rideau ValleyGeometry Y:

Approval Type:ECA-Municipal Drinking Water SystemsProject Type:Municipal Drinking Water Systems

Business Name: 1384341 Ontario Ltd. and Monarch Corporation

Address: Full Address: Full PDF Link: PDF Site Location:

12 2 of 4 S/172.4 124.9 / 2.08 1384341 Ontario Ltd.

Ottawa ON K0A 1B0

Approval No:0963-777MHJMOE District:OttawaApproval Date:2007-09-20City:

 Status:
 Approved
 Longitude:
 -75.9121

 Record Type:
 ECA
 Latitude:
 45.2398

 Link Source:
 IDS
 Geometry X:

SWP Area Name:
Approval Type:

Rideau Valley
Geometry Y:
ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type:
MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: 1384341 Ontario Ltd.

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

Address:

https://www.accessenvironment.ene.gov.on.ca/instruments/4814-775KHW-14.pdf

Full PDF Link: PDF Site Location:

Full Address:

S/172.4 **12** 3 of 4 124.9 / 2.08 1384341 Ontario Ltd. and Monarch Corporation **ECA**

Ottawa ON K2C 3H2

Approval No: 9853-7NAUTA **MOE District:** Ottawa

Approval Date: 2009-01-16 City:

Approved Longitude: -75.9121 Status: **ECA** Latitude: Record Type: 45.2398

IDS Link Source: Geometry X: SWP Area Name: Rideau Valley Geometry Y: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: **Business Name:** 1384341 Ontario Ltd. and Monarch Corporation

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1846-7JSQ6E-14.pdf

PDF Site Location:

S/172.4 12 4 of 4 124.9 / 2.08 1384341 Ontario Ltd. and Monarch Corporation **ECA**

Ottawa ON K2C 3H2

Order No: 24060700322

4663-7JUJPT **MOE District:** Ottawa Approval No:

Approval Date: 2008-09-26 City:

Status: Approved Longitude: -75.9121 Latitude: Record Type: **ECA** 45.2398

Link Source: **IDS** Geometry X: SWP Area Name: Rideau Valley Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS 1384341 Ontario Ltd. and Monarch Corporation **Business Name:**

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1991-7JSQ8Y-14.pdf

PDF Site Location:

1 of 7 S/172.7 124.9 / 2.08 lot 22 con 9 13 **WWIS** ON

1530042 Well ID: Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: **Domestic** Data Entry Status:

Use 2nd: Data Src:

07/22/1998 Final Well Status: Water Supply Date Received:

Water Type: TRUE Selected Flag: Casing Material: Abandonment Rec:

Audit No: 183849 1558 Contractor:

Form Version: Tag: 1 Constructn Method: Owner:

County: **OTTAWA-CARLETON** Elevation (m): Elevatn Reliabilty: Lot: 022 Depth to Bedrock: 09 Concession: Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530042.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 05/11/1998 1998 Year Completed: Depth (m): 53.34

Latitude: 45.2397971472488 Longitude: -75.9121048158033 -75.91210465480897 X: 45.23979714014823 Y: 153\1530042.pdf Path:

Bore Hole Information

Bore Hole ID: 10051577 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 428412.70 East83: Code OB:

Code OB Desc: North83: 5009994.00 Open Hole: Org CS: 9

Cluster Kind: **UTMRC**: Date Completed: 05/11/1998 **UTMRC Desc:**

unknown UTM Location Method: Remarks: lot

Location Method Desc: Lot centroid

931074304

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: **Source Revision Comment:** Supplier Comment:

Overburden and Bedrock

Formation ID:

Materials Interval

Layer: 3 Color: General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3: 74 LAYERED Material 3 Desc:

Formation Top Depth: 6.0 Formation End Depth: 175.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931074302

Layer: Color: 6 General Color: **BROWN**

Order No: 24060700322

02

Material 1:

TOPSOIL Material 1 Desc: Material 2: 12 **STONES** Material 2 Desc: Material 3: 68 Material 3 Desc: DRY 0.0 Formation Top Depth: Formation End Depth: 3.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931074303

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 17

 Material 1 Desc:
 SHALE

 Material 2:
 85

 Material 2 Desc:
 SOFT

Material 3: Material 3 Desc:

Formation Top Depth: 3.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933115159

 Layer:
 1

 Plug From:
 21.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961530042

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10600147

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930089870

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

Construction Record - Casing

Casing ID: 930089871

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

175.0 Depth To: Casing Diameter: 5.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP** 991530042 Pump Test ID:

Pump Set At: 16.0 Static Level: Final Level After Pumping: 75.0 Recommended Pump Depth: 75.0 Pumping Rate: 12.0

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: **Pumping Duration HR:** Pumping Duration MIN: 0

Draw Down & Recovery

934117257 Pump Test Detail ID:

No

Test Type:

Flowing:

Test Duration: 15 Test Level: 17.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392234

Test Type:

Test Duration: 30 Test Level: 17.0 Test Level UOM: ft

Draw Down & Recovery

934909930 Pump Test Detail ID:

Test Type:

Test Duration: 60 Test Level: 16.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934661392

Test Type:

Test Duration: 45 Map Key Number of Direction/ Elev/Diff Site DB

Test Level: 16.0 Test Level UOM: ft

Records

Water Details

Water ID: 933490067

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 170.0
Water Found Depth UOM: ft

13 2 of 7 S/172.7 124.9/2.08 lot 22 con 9 ON WWIS

Well ID: 1521297 Flowing (Y/N):

Distance (m)

(m)

Construction Date:Flow Rate:Use 1st:DomesticData Entry Status:

Use 1st: Domestic Data Entry Stat
Use 2nd: Data Src:

Final Well Status:Water SupplyDate Received:04/28/1987Water Type:Selected Flag:TRUE

Casing Material:Abandonment Rec:Audit No:07428Contractor:3142

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Well Depth: Concession Name: CO
Overburden/Bedrock: Easting NAD83:
Pump Rate: Northing NAD83:
Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1521297.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 04/15/1987

 Year Completed:
 1987

 Depth (m):
 35.9664

 Latitude:
 45.2397971472488

 Longitude:
 -75.9121048158033

 X:
 -75.91210465480897

 Y:
 45.23979714014823

 Path:
 152\1521297.pdf

Bore Hole Information

 Bore Hole ID:
 10043119
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status: Zone: 18

 Code OB:
 East83:
 428412.70

 Code OB Desc:
 North83:
 5009994.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC: 9

Date Completed: 04/15/1987 UTMRC Desc: unknown UTM

Order No: 24060700322

Remarks: Location Method:

Location Method Desc: Lot centroid Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931047487

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 80.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931047488

 Layer:
 3

 Color:
 8

General Color: 8
General Color: BLACK
Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: 17
Material 2 Desc: SHALE

Material 3: Material 3 Desc:

Formation Top Depth: 80.0 Formation End Depth: 118.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931047486

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

 Material 3:
 13

 Material 3 Desc:
 BOULDERS

Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961521297

Method Construction Code: 1

Method Construction:

Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10591689

 Casing No:
 1

 Comment:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930075284

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 24.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 930075285

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 118.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991521297

Pump Set At:

Static Level:20.0Final Level After Pumping:60.0Recommended Pump Depth:85.0Pumping Rate:15.0

Recommended Pump Rate: Levels UOM:

Levels UOM:ftRate UOM:GPMWater State After Test Code:2Water State After Test:CLOUDYPumping Test Method:2Pumping Duration HR:2

7.0

Pumping Duration HR:2Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID: 934909431

Test Type:

Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651223

Test Type:

Test Duration: 45 60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390076

Test Type:

30 Test Duration: 60.0 Test Level: Test Level UOM:

Draw Down & Recovery

934105977 Pump Test Detail ID:

Test Type:

Test Duration: 15 60.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933478794

Layer:

Kind Code: Kind:

Water Found Depth: 116.0 Water Found Depth UOM: ft

Water Details

933478793 Water ID:

Layer: 1 Kind Code: Kind: **FRESH** 86.0 Water Found Depth:

Water Found Depth UOM: ft

S/172.7

Well ID: 1521852 **Construction Date:**

Use 1st:

Domestic Use 2nd:

3 of 7

13

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 19316

Constructn Method:

Tag:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

lot 22 con 9 ON

124.9 / 2.08

Flowing (Y/N): Flow Rate:

Data Entry Status:

Data Src:

Date Received: 10/01/1987 Selected Flag: TRUE

Abandonment Rec:

Contractor: 1558 Form Version:

Owner:

OTTAWA-CARLETON County:

022 Lot: Concession: 09 Concession Name: CON

Easting NAD83: Northing NAD83: **WWIS**

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1521852.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 07/10/1987 1987 Year Completed: Depth (m): 45.72

Latitude: 45.2397971472488 Longitude: -75.9121048158033 -75.91210465480897 X: 45.23979714014823 Y: Path: 152\1521852.pdf

Bore Hole Information

Bore Hole ID: 10043665 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

428412.70 East83: Code OB: Code OB Desc: North83: 5009994.00 Open Hole: Org CS:

Cluster Kind: **UTMRC**: 9 Date Completed: 07/10/1987 **UTMRC Desc:** unknown UTM

Location Method: Remarks: lot

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: **Source Revision Comment:** Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID:

931049376 Layer: 4 Color: **GREY** General Color: Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 36.0 150.0

Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931049375

Layer: 3 Color: 2 General Color: **GREY** Material 1: 28

Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL

Material 3: Material 3 Desc:

Formation Top Depth: 28.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049373

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: 13
Material 2 Desc: BOULDERS

Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049374

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 28.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961521852Method Construction Code:5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10592235

Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930076295

Layer: 1

Material: 1

Open Hole or Material: STEEL

Depth From: Depth To:

37.0 6.0 inch

Casing Diameter: 6.
Casing Diameter UOM: inc
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076296

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991521852

Pump Set At:

Static Level: 20.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 130.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM

Rate UOM:

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

No

Draw Down & Recovery

 Pump Test Detail ID:
 934391270

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 100.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934910620

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 100.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934653389

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 100.0

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934108146 Draw Down Test Type: Test Duration: 15 75.0 Test Level: Test Level UOM:

ft

ft

Water Details

Water ID: 933479561 Layer: Kind Code:

FRESH Kind: Water Found Depth: 135.0 Water Found Depth UOM: ft

4 of 7 S/172.7 124.9 / 2.08 lot 22 con 9 13 **WWIS**

Flowing (Y/N): Well ID: 1525248 **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 01/18/1991 Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: 48680 Contractor: 1119

Form Version: Tag: Constructn Method: Owner:

OTTAWA-CARLETON Elevation (m): County: Elevatn Reliabilty: 022 Lot:

Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525248.pdf PDF URL (Map):

Order No: 24060700322

Additional Detail(s) (Map)

Well Completed Date: 02/19/1980 Year Completed: 1980 Depth (m): 134.112

Latitude: 45.2397971472488 Longitude: -75.9121048158033 X: -75.91210465480897 Y: 45.23979714014823 Path: 152\1525248.pdf

Bore Hole Information

10046988 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 428412.70

Code OB Desc: North83: 5009994.00

Open Hole: Org CS:
Cluster Kind: UTMRC: 9

Date Completed:02/19/1980UTMRC Desc:unknown UTMRemarks:Location Method:lot

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931060588

 Layer:
 1

 Color:
 7

 General Color:
 RED

 Material 1:
 28

 Material 1 Desc:
 SAND

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931060589

Layer: 2

Color:

General Color:

Material 1: 13

Material 1 Desc:BOULDERSMaterial 2:11Material 2 Desc:GRAVEL

Material 3: Material 3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931060590

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

 Material 1 Desc:
 LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 35.0 Formation End Depth: 440.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961525248
Method Construction Code: 5
Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10595558

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

Casing ID: 930082278

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 40.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:991525248

Pump Set At:

Static Level:35.0Final Level After Pumping:350.0Recommended Pump Depth:400.0Pumping Rate:5.0

Flowing Rate:

Recommended Pump Rate: 5.0
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:
 934905211

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 280.0

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:934111663Test Type:Draw DownTest Duration:15

Test Level: 100.0 Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934387067

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 165.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934648031Test Type:Draw DownTest Duration:45

Test Level: 225.0 ft

Water Details

Water ID: 933484166

 Layer:
 2

 Kind Code:
 1

 Kind:
 FR

Kind: FRESH
Water Found Depth: 410.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484165

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 160.0
Water Found Depth UOM: ft

13 5 of 7 S/172.7 124.9 / 2.08 lot 22 con 9 ON WWIS

 Well ID:
 1525669
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

Use 2nd:

Data Src:

Final Well Status:Test HoleDate Received:10/22/1991Water Type:Selected Flag:TRUE

Casing Material:Abandonment Rec:Audit No:103215Contractor:3142

Tag: Form Version: 1

 Constructn Method:
 Owner:

 Elevation (m):
 County:
 OTTAWA-CARLETON

Elevatn Reliabilty: Lot: 022

Depth to Bedrock: Concession: 09

Well Booth: Concession Name: CON

Well Depth: Concession Name: CON
Overburden/Bedrock: Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy: UTM Reliability: Wunicipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525669.pdf

18

428412.70

5009994.00

unknown UTM

Order No: 24060700322

Additional Detail(s) (Map)

Well Completed Date: 10/02/1991 Year Completed: 1991 16.4592 Depth (m):

Latitude: 45.2397971472488 -75.9121048158033 Longitude: X: -75.91210465480897 Y: 45.23979714014823 152\1525669.pdf Path:

Bore Hole Information

Bore Hole ID: 10047404 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: Code OB: East83: Code OB Desc: North83: Open Hole: Org CS:

Cluster Kind: UTMRC: Date Completed: 10/02/1991 UTMRC Desc:

Remarks: Location Method:

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931061971

Layer: Color: 7 General Color: **RED** 28 Material 1: Material 1 Desc: SAND Material 2: 79 Material 2 Desc: **PACKED**

Material 3:

Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931061974 Layer:

Color: 2 General Color: **GREY** Material 1: 15

LIMESTONE Material 1 Desc:

Material 2:

FRACTURED Material 2 Desc:

Material 3: Material 3 Desc:

32.0 Formation Top Depth:

Formation End Depth: 54.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931061972

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 05

 Material 1 Desc:
 CLAY

 Material 2:
 77

 Material 2 Desc:
 LOOSE

Material 3: Material 3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931061973

Layer: 2 Color: General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: 11 **GRAVEL** Material 2 Desc: Material 3: 79 **PACKED** Material 3 Desc: Formation Top Depth: 18.0 Formation End Depth: 32.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933111350

 Layer:
 1

 Plug From:
 8.0

 Plug To:
 37.0

 Plug Depth UOM:
 ft

Method of Construction & Well

Use

Method Construction ID: 961525669

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10595974

Casing No:

Comment: Alt Name:

Construction Record - Casing

930082976 Casing ID:

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

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

Construction Record - Casing

930082975 Casing ID:

Layer: Material: Open Hole or Material: STEEL Depth From:

Depth To: 38.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP** Pump Test ID: 991525669

Pump Set At: Static Level: 12.0 Final Level After Pumping: 22.0 Recommended Pump Depth: 30.0 Pumping Rate: 30.0

Flowing Rate: Recommended Pump Rate: 8.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: **Pumping Duration HR:** 6

Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934105044

Test Type:

Test Duration: 15 22.0 Test Level: Test Level UOM:

Draw Down & Recovery

934388703 Pump Test Detail ID:

Test Type:

30 Test Duration: Test Level: 22.0 Test Level UOM: ft

Draw Down & Recovery

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

Pump Test Detail ID: 934906421

Test Type:

60 Test Duration: 22.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649241

Test Type:

45 Test Duration: 22.0 Test Level: Test Level UOM: ft

Water Details

933484719 Water ID:

Layer: Kind Code:

FRESH Kind: Water Found Depth: 52.0 Water Found Depth UOM: ft

13 6 of 7 S/172.7 124.9 / 2.08 lot 22 con 9 **WWIS** ON

Flowing (Y/N):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526192.pdf

Order No: 24060700322

Well ID: 1526192

Construction Date: Flow Rate: Data Entry Status: Use 1st: Domestic

Use 2nd: Data Src: Final Well Status: Water Supply Date Received: 06/02/1992

Selected Flag: TRUE Water Type: Casing Material: Abandonment Rec:

Contractor: Audit No: 113382 1558 Form Version: Tag:

Constructn Method: Owner:

County: **OTTAWA-CARLETON** Elevation (m): Elevatn Reliabilty: Lot: 022

Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality: Site Info:

Additional Detail(s) (Map)

PDF URL (Map):

05/11/1992 Well Completed Date: Year Completed: 1992 45.1104 Depth (m):

Latitude: 45.2397971472488 Longitude: -75.9121048158033 -75.91210465480897 X: Y: 45.23979714014823 Path: 152\1526192.pdf

Bore Hole Information

Elevation:

18

428412.70

5009994.00

unknown UTM

Order No: 24060700322

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole ID: 10047922

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 05/11/1992

Remarks:

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931063497

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 30

Material 2 Desc: MEDIUM GRAVEL

Material 3:

Material 3 Desc:

Formation Top Depth: 12.0
Formation End Depth: 148.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931063496

Layer: 1 Color: 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

 Material 3:
 13

 Material 3 Desc:
 BOULDERS

Formation Top Depth: 0.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961526192

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10596492

Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930083889

Layer:

Material:

Open Hole or Material:

Depth From:

Depth To:20.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930083890

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 148.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:991526192

Pump Set At:

Static Level: 30.0 Final Level After Pumping: 60.0 Recommended Pump Depth: 120.0 Pumping Rate: 5.0 Flowing Rate: 5.0 Recommended Pump Rate: Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1 Pumping Duration HR: 1 **Pumping Duration MIN:** 0

Draw Down & Recovery

Flowing:

 Pump Test Detail ID:
 934390413

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934650934

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 60.0

No

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934908552

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 60.0

 Test Level UOM:
 ft

ft

Draw Down & Recovery

 Pump Test Detail ID:
 934106779

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 60.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933485419

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 143.0

 Water Found Depth UOM:
 ft

13 7 of 7 S/172.7 124.9 / 2.08 lot 22 con 9

 Well ID:
 1528486
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

Use 2nd:

Data Entry Status.

Data Src:

Final Well Status:Water SupplyDate Received:05/11/1995Water Type:Selected Flag:TRUECasing Material:Abandonment Rec:

 Audit No:
 153106
 Contractor:
 1558

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:OTTAWA-CARLETONElevatn Reliabilty:Lot:022

Depth to Bedrock:Concession:09Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:

Pump Rate: Northing NAD83: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1528486.pdf

Order No: 24060700322

Additional Detail(s) (Map)

 Well Completed Date:
 03/31/1995

 Year Completed:
 1995

 Depth (m):
 19.812

Latitude:45.2397971472488Longitude:-75.9121048158033X:-75.91210465480897Y:45.23979714014823

unknown UTM

Order No: 24060700322

Path: 152\1528486.pdf

Bore Hole Information

Bore Hole ID: 10050022 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428412.70

 Code OB Desc:
 North83:
 5009994.00

Open Hole: Org CS:

Cluster Kind: UTMRC:
Date Completed: 03/31/1995 UTMRC Desc:

Remarks: Location Method: lot

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931069802

Layer: 3 Color: 2 General Color: **GREY** Material 1: 28 Material 1 Desc: SAND Material 2: 05 Material 2 Desc: CLAY Material 3: 13

Material 3 Desc:BOULDERSFormation Top Depth:14.0Formation End Depth:30.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931069800

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Material 1:
 05

 Material 1 Desc:
 CLAY

 Material 2:
 28

 Material 2 Desc:
 SAND

 Material 3:
 91

Material 3 Desc: WATER-BEARING

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931069803

 Layer:
 4

 Color:
 2

 General Color:
 GREY

Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: 71

Material 2 Desc: FRACTURED

Material 3: Material 3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 32.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931069804

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE Material 2:

Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:

Formation Top Depth: 32.0 Formation End Depth: 65.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931069801

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

Material 2 Desc: BOULDERS

Material 3: 91

Material 3 Desc: WATER-BEARING

Formation Top Depth: 2.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933113398

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 41.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961528486

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10598592

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930087402

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:45.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930087403

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:65.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:991528486

Pump Set At:

 Static Level:
 0.0

 Final Level After Pumping:
 0.0

 Recommended Pump Depth:
 50.0

 Pumping Rate:
 105.0

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:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Water Details

 Water ID:
 933488170

 Layer:
 1

 Kind Code:
 5

Kind: Not stated
Water Found Depth: 58.0
Water Found Depth UOM: ft

14 1 of 1 S/173.0 124.9 / 2.08 lot 22 con 9 ON WWIS

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

1533386 Well ID:

Construction Date: Flow Rate: Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 246359

Tag:

Constructn Method: Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533386.pdf

Additional Detail(s) (Map)

11/01/2002 Well Completed Date: Year Completed: 2002 Depth (m): 18.288

Latitude: 45.2397967911301 Longitude: -75.9121494041695 -75.91214924267338 X: Y: 45.239796784662325 Path: 153\1533386.pdf

Bore Hole Information

Bore Hole ID: 10530133

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 11/01/2002

Remarks:

Location Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

932880981 Formation ID: Layer: 5 Color: 8 General Color: **BLACK** Material 1: Material 1 Desc: LIMESTONE

Material 2:

Flowing (Y/N):

Data Entry Status:

Data Src:

Date Received: 12/19/2002 TRUE Selected Flag:

Abandonment Rec:

Contractor: 2558 Form Version:

Owner:

OTTAWA-CARLETON County: Lot: 022

18

lot

428409.20

5009994.00

unknown UTM

Concession: 09 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

UTM Reliability:

Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 54.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932880978

Layer:

Color:

General Color:

 Material 1:
 05

 Material 1 Desc:
 CLAY

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

Material 3:

Material 3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 19.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 932880979

 Layer:
 3

 Color:
 8

 General Color:
 BLACK

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 19.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932880977

Layer: 1

Color:

General Color:

 Material 1:
 05

 Material 1 Desc:
 CLAY

 Material 2:
 26

 Material 2 Desc:
 ROCK

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932880980

Layer: 4 Color: 8 General Color: **BLACK** Material 1: 15 Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc:

Material 3:

Material 3 Desc: 52.0 Formation Top Depth: 54.0 Formation End Depth:

Annular Space/Abandonment

Formation End Depth UOM:

Sealing Record

Plug Depth UOM:

Plug ID: 933230448 Layer: Plug From: 0.0 Plug To: 26.0

ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961533386 **Method Construction Code: Method Construction:** Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 11078703 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930096850

Layer: Material: Open Hole or Material: **STEEL**

Depth From: Depth To:

Casing Diameter: 6.0 Casing Diameter UOM:

inch Casing Depth UOM:

Results of Well Yield Testing

PUMP Pumping Test Method Desc: Pump Test ID: 991533386

Pump Set At:

Static Level: 11.0 Final Level After Pumping: 11.0 Recommended Pump Depth: 35.0 60.0 Pumping Rate: Flowing Rate:

Recommended Pump Rate: 7.0 Levels UOM: **GPM** Rate UOM:

Water State After Test Code:

Water State After Test: **CLOUDY**

Pumping Test Method: Pumping Duration HR: 1 **Pumping Duration MIN:** 0 No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934664280 Draw Down Test Type: Test Duration: 45 11.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934120146 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 11.0 Test Level UOM: ft

Draw Down & Recovery

934912405 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 11.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934395000 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 11.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 934022842

Layer:

Kind Code: 5 Kind: Not stated Water Found Depth: 53.0 Water Found Depth UOM: ft

<u>15</u> 1 of 1 SW/174.2 124.9 / 2.08 lot 22 con 9 **WWIS** ON

1518633 Well ID: Flowing (Y/N):

Construction Date:

Use 1st: Domestic Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Constructn Method:

Flow Rate: Data Entry Status: Data Src:

11/24/1983 Date Received: TRUE Selected Flag:

Abandonment Rec:

1558 Contractor: Form Version: 1

Owner:

Tag:

Map Key Number of Direction/ Elev/Diff Site DB

Elevation (m): County: OTTAWA-CARLETON

(m)

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Distance (m)

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518633.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 10/05/1983

 Year Completed:
 1983

 Depth (m):
 45.72

Records

 Latitude:
 45.2400317083216

 Longitude:
 -75.9131660897686

 X:
 -75.91316592860647

 Y:
 45.240031701567354

 Path:
 151\1518633.pdf

Bore Hole Information

Bore Hole ID: 10040503 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428329.70

 Code OB Desc:
 North83:
 5010021.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Cluster Kind: UTMRC: 4

Date Completed: 10/05/1983 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 24060700322

Remarks: Location Method: p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931039031

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3:

Material 3 Desc:

Formation Top Depth: 48.0 Formation End Depth: 150.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039029

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

 Material 2 Desc:
 BOULDERS

 Material 3:
 79

 Material 3 Desc:
 PACKED

Material 3: 79
Material 3 Desc: PACK
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039030

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

 Material 3:
 13

Material 3 Desc:BOULDERSFormation Top Depth:9.0Formation End Depth:48.0Formation End Depth UOM:ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961518633Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

 Pipe ID:
 10589073

 Casing No:
 1

 Comment:
 1

Construction Record - Casing

 Casing ID:
 930070700

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

Depth From:

Depth To: 50.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070701

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:991518633

Pump Set At:

Static Level: 15.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 90.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM

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

Draw Down & Recovery

 Pump Test Detail ID:
 934103945

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934899470

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934379950

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934649931

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Water Details

Water ID: 933475385 Layer: Kind Code: **FRESH** Kind:

Water Found Depth: 140.0 Water Found Depth UOM: ft

NW/182.6 16 1 of 1 122.9 / 0.08 lot 22 con 9 **WWIS** ON

Well ID: 1502583 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 02/20/1962 TRUE Selected Flag: Water Type:

Casing Material: Abandonment Rec: Audit No: Contractor: 3114 Form Version: Tag: 1

Constructn Method: Owner:

OTTAWA-CARLETON Elevation (m): County:

Elevatn Reliabilty: Lot: 022 Depth to Bedrock: Concession: 09 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83:

Northing NAD83: Pump Rate: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

GOULBOURN TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502583.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 04/28/1961 Year Completed: 1961 Depth (m): 40.2336

Latitude: 45.2427409305464 Longitude: -75.9131967519472 -75.91319659056211 X: Y: 45.24274092420846 Path: 150\1502583.pdf

Bore Hole Information

Bore Hole ID: 10024626 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 428330.70 Code OB: East83: Code OB Desc: North83: 5010322.00

Open Hole: Org CS:

Cluster Kind: **UTMRC**:

04/28/1961 UTMRC Desc: Date Completed: margin of error: 100 m - 300 m

Order No: 24060700322

Remarks: Location Method:

Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m Location Method Desc: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 930994842

Layer:

Color: General Color:

Material 1:

Material 1: 02
Material 1 Desc: TOPSOIL

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930994843

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 132.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961502583

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10573196

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930042032

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 22.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042033

Layer:

Material:

Open Hole or Material: **OPEN HOLE**

Depth From: Depth To: 132.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

PUMP Pumping Test Method Desc:

991502583 Pump Test ID:

5.0

Pump Set At: Static Level: 14.0 Final Level After Pumping: 17.0 Recommended Pump Depth: 25.0

Pumping Rate: Flowing Rate:

5.0 Recommended Pump Rate: Levels UOM: Rate UOM: **GPM**

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

Water Details

Water ID: 933455382

Layer: Kind Code:

FRESH Kind: Water Found Depth: 132.0 Water Found Depth UOM: ft

1 of 1 S/234.7 124.9 / 2.08 lot 22 con 9 17 ON

1502582 Well ID:

Construction Date:

Use 1st: Domestic Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Data Entry Status: Data Src:

Date Received: 05/25/1961 TRUE Selected Flag:

Abandonment Rec:

Contractor: 4824 Form Version:

Owner:

County: **OTTAWA-CARLETON**

022 Lot: Concession: 09 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

WWIS

DB Map Key Number of Direction/ Elev/Diff Site

Records Distance (m)

Clear/Cloudy: UTM Reliability: Municipality: **GOULBOURN TOWNSHIP**

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502582.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/31/1961 Year Completed: 1961 19.812 Depth (m):

Latitude: 45.2392389186162 -75.9121213658246 Longitude: -75.91212120541165 X: Y: 45.239238912127114 Path: 150\1502582.pdf

Bore Hole Information

Bore Hole ID: 10024625 Elevation:

DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 428410.70 5009932.00 Code OB Desc: North83:

Open Hole: Org CS:

UTMRC: Cluster Kind:

Date Completed: 01/31/1961 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 930994840

Layer:

Color: General Color:

Material 1: 11

Material 1 Desc: **GRAVEL**

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

0.0 Formation Top Depth: Formation End Depth: 25.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

930994841 Formation ID: Layer: Color: 2 General Color: **GREY** Material 1:

LIMESTONE Material 1 Desc:

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 25.0 65.0 Formation End Depth: Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961502582

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10573195

Casing No:

Comment: Alt Name:

Construction Record - Casing

930042030 Casing ID:

Layer: 1 Material: STEEL Open Hole or Material:

Depth From:

25.0 Depth To: 4.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042031

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 65.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP**

Pump Test ID: 991502582

Pump Set At:

Static Level: 18.0 Final Level After Pumping: 20.0 Recommended Pump Depth: 20.0 Pumping Rate: 5.0 Flowing Rate:

Recommended Pump Rate:

5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test:

Pumping Test Method:1Pumping Duration HR:0Pumping Duration MIN:30Flowing:No

Water Details

 Water ID:
 933455381

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 65.0

 Water Found Depth UOM:
 ft

18 1 of 1 S/234.8 124.9 / 2.08 ON BORE

Borehole ID: 609450 Inclin FLG: No

 OGF ID:
 215511066
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Type: Borehole Piezometer: No
Use: Primary Name:

Completion Date: JAN-1961 Municipality:
Static Water Level: -2.4 Lot:
Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.239238

 Total Depth m:
 19.8
 Longitude DD:
 -75.912121

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 428411

 Drill Method:
 Northing:
 5009932

Orig Ground Elev m: 125 Location Accuracy:
Elev Reliabil Note: Accuracy: Not

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 126

Concession:
Location D:

Borehole Geology Stratum

Survey D: Comments:

Geology Stratum ID:218383255Mat Consistency:Top Depth:0Material Moisture:Bottom Depth:7.6Material Texture:Material Color:Non Geo Mat Type:Material 1:GravelGeologic Formation:

Material 1:GravelGeologic FormationMaterial 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: GRAVEL.

218383256 Geology Stratum ID: Mat Consistency: Top Depth: 7.6 Material Moisture: Bottom Depth: 19.8 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

Stratum Description: LIMESTONE. GREY. 00065. 00040E AT 418.0 FEET. 17500. 00106 SEISMIC VELOCITY = 1 **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 CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 01958 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

19 1 of 1 S/235.1 124.9/2.08 lot 22 con 9 WWIS

 Well ID:
 1513858
 Flowing (Y/N):

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: 0 Data Src:

Final Well Status:Water SupplyDate Received:02/11/1974Water Type:Selected Flag:TRUE

Casing Material: Abandonment Rec:
Audit No: Contractor: 4847
Tag:

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:OTTAWA-CARLETONElevatn Reliabilty:Lot:022

Depth to Bedrock: Concession: 09
Well Depth: Concession Name: CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513858.pdf

Order No: 24060700322

Additional Detail(s) (Map)

 Well Completed Date:
 11/29/1973

 Year Completed:
 1973

 Depth (m):
 21.336

 Latitude:
 45.2392425805724

 Longitude:
 -75.9116627470743

 X:
 -75.91166258596598

 Y:
 45.23924257455352

 Path:
 151\1513858.pdf

Bore Hole Information

Bore Hole ID: 10035840 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

 Code OB:
 East83:
 428446.70

 Code OB Desc:
 North83:
 5009932.00

Open Hole: Org CS:
Cluster Kind: UTMRC: 4

Date Completed: 11/29/1973 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931024658

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 23.0 Formation End Depth: 70.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931024657

Layer: 1

Color:

General Color:

Material 1: 3

Material 1 Desc: COARSE GRAVEL

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 23.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961513858

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10584410

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930063359 Layer: Material: Open Hole or Material: **STEEL** Depth From: Depth To: 23.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 991513858

Pump Set At: Static Level:

14.0 Final Level After Pumping: 18.0 Recommended Pump Depth: 45.0 Pumping Rate: 5.0

Flowing Rate:

5.0 Recommended Pump Rate: Levels UOM: Rate UOM: **GPM** Water State After Test Code: 1 **CLEAR** Water State After Test: Pumping Test Method: 2 Pumping Duration HR: 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934380289 Test Type: Draw Down Test Duration: 30 16.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934898752 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 Test Level: 18.0 Test Level UOM:

Draw Down & Recovery

934099632 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 15.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934641281 Test Type: Draw Down Map Key Number of Direction/ Elev/Diff Site DB

 Test Duration:
 45

 Test Level:
 17.0

 Test Level UOM:
 ft

Records

Water Details

 Water ID:
 933469597

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 50.0

 Water Found Depth UOM:
 ft

20 1 of 4 S/245.2 125.7/2.92 lot 22 con 9 ON WWIS

Well ID: 1516553 Flowing (Y/N):
Construction Date: Flow Rate:

Distance (m)

(m)

Use 1st:DomesticData Entry Status:Use 2nd:0Data Src:

Final Well Status: Water Supply Date Received: 07/12/1978
Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:
Audit No: Contractor: 36

Audit No:Contractor:3644Tag:Form Version:1Constructn Method:Owner:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516553.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 05/10/1978

 Year Completed:
 1978

 Depth (m):
 31.6992

 Latitude:
 45.2391418470722

 Longitude:
 -75.9118777333128

 X:
 -75.91187757161556

 Y:
 45.23914184013863

 Path:
 151\1516553.pdf

Bore Hole Information

Bore Hole ID: 10038464 Elevation: DP2BR: Elevro:

Spatial Status: Zone: 18

 Code OB:
 East83:
 428429.70

 Code OB Desc:
 North83:
 5009921.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 05/10/1978 UTMRC Desc: margin of error : 30 m - 100 m

Order No: 24060700322

Remarks: Location Method: p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

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

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

931032488 Formation ID: Layer: 2 Color: 2 General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

29.0 Formation Top Depth: Formation End Depth: 104.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931032487 Formation ID:

Layer: Color: **GREY** General Color: Material 1: 28 SAND Material 1 Desc: Material 2: 12 Material 2 Desc: **STONES**

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 29.0 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961516553 **Method Construction Code:**

Cable Tool **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 10587034 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930067589

Layer: 1 Material: STEEL Open Hole or Material:

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

Depth From: Depth To:

Casing Diameter:

Casing Depth UOM:

Casing Diameter UOM:

32.0 6.0 inch

ft

No

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP** Pump Test ID: 991516553

Pump Set At:

Static Level: 15.0 Final Level After Pumping: 60.0 Recommended Pump Depth: 60.0 Pumping Rate: 7.0

Flowing Rate:

Flowing:

Recommended Pump Rate: 6.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLOUDY** Water State After Test: Pumping Test Method: **Pumping Duration HR:** 0

Draw Down & Recovery

Pumping Duration MIN:

Pump Test Detail ID: 934380901 Test Type: Draw Down Test Duration: 30 60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934641992 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899894 Test Type: Draw Down Test Duration: 60 Test Level: 60.0 Test Level UOM: ft

Draw Down & Recovery

934101187 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 60.0 Test Level UOM: ft

Water Details

Water ID: 933472880

Number of Direction/ Elev/Diff Site DΒ Map Key (m)

Records Distance (m)

Kind Code: **FRESH** Kind: Water Found Depth: 104.0 Water Found Depth UOM: ft

Layer:

lot 22 con 9 **20** 2 of 4 S/245.2 125.7 / 2.92 **WWIS** ON

Well ID: 1517928 Flowing (Y/N): Flow Rate:

Construction Date:

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply 10/05/1982 Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Contractor: 1558 Form Version: Tag: 1 Constructn Method: Owner:

Elevation (m): County: **OTTAWA-CARLETON**

Elevatn Reliabilty: 022 I of Depth to Bedrock: Concession: 09 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: UTM Reliability:

Clear/Cloudy: **GOULBOURN TOWNSHIP** Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517928.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 05/20/1982 1982 Year Completed: 33.528 Depth (m):

Latitude: 45.2391418470722 Longitude: -75.9118777333128 X: -75.91187757161556 Y: 45.23914184013863 Path: 151\1517928.pdf

Bore Hole Information

Bore Hole ID: 10039799 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 428429.70 Code OB: East83: Code OB Desc: North83: 5009921.00

Open Hole: Org CS: Cluster Kind: **UTMRC**:

Date Completed: 05/20/1982 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 24060700322

Location Method: Remarks: Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:** Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931036779

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

 Material 2 Desc:
 BOULDE

Material 2 Desc:BOULDERSMaterial 3:79Material 3 Desc:PACKEDFormation Top Depth:24.0Formation End Depth:25.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036780

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3:

Material 3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 110.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036778

Layer: 1 Color: 6

General Color: **BROWN** Material 1: 28 Material 1 Desc: SAND Material 2: 11 Material 2 Desc: **GRAVEL** Material 3: 79 **PACKED** Material 3 Desc: Formation Top Depth: 0.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961517928Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10588369

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

Casing No: Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930069504

 Layer:
 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:110.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930069503

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:27.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:991517928

Pump Set At:

Static Level: 4.0 Final Level After Pumping: 22.0 Recommended Pump Depth: 80.0 Pumping Rate: 8.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: 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:
 934377168

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 22.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934103118

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 22.0

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

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934647003 Draw Down Test Type:

ft

Test Duration: 45 22.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896695 Test Type: Draw Down

Test Duration: 60 Test Level: 22.0 Test Level UOM:

Water Details

Water ID: 933474526

Layer: 1 Kind Code:

FRESH Kind: Water Found Depth: 93.0 Water Found Depth UOM: ft

Water Details

20

Water ID: 933474527

Layer: 2 Kind Code: 1

Kind: **FRESH** Water Found Depth: 101.0 Water Found Depth UOM: ft

3 of 4

Well ID: 1518642 Construction Date: Use 1st: Industrial

Use 2nd: 0 Final Well Status: Test Hole

Water Type: Casing Material:

Audit No: Tag:

Constructn Method: Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level:

Clear/Cloudy: Municipality: **GOULBOURN TOWNSHIP**

Site Info:

lot 22 con 9 **WWIS**

Flowing (Y/N): Flow Rate: Data Entry Status:

Data Src: 11/23/1983 Date Received: Selected Flag: TRUE

Abandonment Rec:

Contractor: 1558 Form Version: 1

Owner:

ON

County: **OTTAWA-CARLETON**

022 Lot: Concession: 09 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518642.pdf

S/245.2

125.7 / 2.92

PDF URL (Map):

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

Additional Detail(s) (Map)

Well Completed Date: 10/27/1983 Year Completed: 1983 Depth (m): 50.292

45.2391418470722 Latitude: Longitude: -75.9118777333128 X: -75.91187757161556 Y: 45.23914184013863 Path: 151\1518642.pdf

Bore Hole Information

Bore Hole ID: 10040512 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 428429.70 Code OB: East83: Code OB Desc: North83: 5009921.00

Open Hole: Org CS:

Cluster Kind: **UTMRC**:

Date Completed: 10/27/1983 UTMRC Desc: margin of error: 30 m - 100 m

Location Method: Remarks:

Elevrc Desc:

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

931039063 Formation ID:

Layer: Color: 2 **GREY** General Color: Material 1: 28 SAND Material 1 Desc: Material 2: 11 Material 2 Desc: **GRAVEL** Material 3: 79 Material 3 Desc: **PACKED** Formation Top Depth: 35.0 39.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931039062 Formation ID:

2 Layer: Color: **GREY** General Color: Material 1: 28 Material 1 Desc: SAND 79 Material 2: Material 2 Desc: **PACKED**

Material 3: Material 3 Desc:

Formation Top Depth: 16.0 35.0 Formation End Depth:

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

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931039061

Layer: 1 **Color:** 6

 Color:
 6

 General Color:
 BROWN

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 11

 Material 2 Desc:
 GRAVEL

 Material 3:
 13

Material 3 Desc: BOULDERS

Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039064

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 39.0 Formation End Depth: 165.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518642

Method Construction Code:

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 10589082

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930070718

Layer:

Material: 3

Open Hole or Material: CONCRETE

Depth From:

Depth To: 165.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

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

Construction Record - Casing

930070717 Casing ID: Layer: Material: Open Hole or Material: **STEEL** Depth From: Depth To: 43.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

PUMP Pumping Test Method Desc: Pump Test ID: 991518642

Pump Set At:

Static Level: 18.0 Final Level After Pumping: 60.0

Recommended Pump Depth:

8.0 Pumping Rate:

Flowing Rate:

5.0 Recommended Pump Rate: Levels UOM: Rate UOM: **GPM** Water State After Test Code: 1 **CLEAR** Water State After Test: Pumping Test Method: Pumping Duration HR: 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934649940 Draw Down Test Type: Test Duration: 45 60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934103954 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 60.0 Test Level: Test Level UOM:

Draw Down & Recovery

934379959 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 60.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934899479 Test Type: Draw Down Map Key Number of Direction/ Elev/Diff Site DB
Records Distance (m) (m)

 Test Duration:
 60

 Test Level:
 60.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933475400

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Water Found Depth: 162.0 Water Found Depth UOM: ft

20 4 of 4 S/245.2 125.7 / 2.92 lot 22 con 9 ON WWIS

Well ID: 1519071 Flowing (Y/N):
Construction Date: Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

 Use 2nd:
 0
 Data Src:

Final Well Status: Water Supply Date Received: 08/07/1984
Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

Audit No:Contractor:1558Tag:Form Version:1Constructn Method:Owner:

Elevation (m): County: OTTAWA-CARLETON

 Elevatn Reliabilty:
 Lot:
 022

 Depth to Bedrock:
 Concession:
 09

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:Static Water Level:Zone:

Clear/Cloudy: UTM Reliability:

Municipality: GOULBOURN TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519071.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 07/18/1984

 Year Completed:
 1984

 Depth (m):
 45.72

 Latitude:
 45.2391418470722

 Longitude:
 -75.9118777333128

 X:
 -75.91187757161556

 Y:
 45.23914184013863

 Path:
 151\1519071.pdf

Bore Hole Information

 Bore Hole ID:
 10040941
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 428429.70

 Code OB Desc:
 North83:
 5009921.00

Open Hole: Org CS:
Cluster Kind: UTIMRC:

Date Completed: 07/18/1984 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 24060700322

Remarks: Location Method: p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

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

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931040508

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Material 1:
 28

 Material 1 Desc:
 SAND

 Material 2:
 13

Material 2 Desc:BOULDERSMaterial 3:79Material 3 Desc:PACKEDFormation Top Depth:0.0Formation End Depth:25.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040509

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3: Material 3 Desc:

Formation Top Depth: 25.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961519071Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10589511

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930071473

 Layer:
 2

Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE

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

Depth From:
Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071472

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 28.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991519071

Pump Set At:

12.0 Static Level: Final Level After Pumping: 50.0 Recommended Pump Depth: 75.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: **GPM** Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934651610

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934901139

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934381632

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 40.0

 Test Level UOM:
 ft

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

Draw Down & Recovery

 Pump Test Detail ID:
 934106891

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933475947

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 95.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933475948

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 146.0

 Water Found Depth UOM:
 ft

Unplottable Summary

Total: 38 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Monarch Corporation		Ottawa ON	
CA	1384341 Ontario Ltd.		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	1384341 Ontario Ltd. and Monarch Corporation		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	1384341 Ontario Ltd.		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	Monarch Corporation		Ottawa ON	
CA	Monarch Construction Limited		Ottawa ON	
CA	1384341 Ontario Ltd.		Ottawa ON	
CA	Monarch Construction Limited		Ottawa ON	
CA	1048219 ONTARIO INC.	WEST RIDGE ESTATES, SWM POND	GOULBOURN TWP. ON	
CA	M. HOLITZNER LIMITED	RR #5 (MAIN ST.)	GOULBOURN TWP. ON	
CA	M. HOLITZNER LIMITED	RR #5 (MAIN ST.)	GOULBOURN TWP. ON	
CA	Monarch Corporation	Ref. Plan 4M-1423	Ottawa ON	

CA	1384341 Ontario Ltd. and Monarch Corporation		Ottawa ON
CA	Monarch Corporation		Ottawa ON
CA	Monarch Construction Limited		Ottawa ON
CA	Monarch Corporation		Ottawa ON
CA	Monarch Corporation		Ottawa ON
CA	Monarch Corporation		Ottawa ON
CA	Monarch Corporation		Ottawa ON
CA	1384341 Ontario Ltd.		Ottawa ON
CA	Monarch Corporation		Ottawa ON
CA	Monarch Corporation	Ref. Plan 4M-1423	Ottawa ON
EBR	Stittsville South Inc.	Lots 22-24, Concession 9 Geographic Township of Goulbourn CITY OF OTTAWA	ON
EHS		Hartsmere Drive	Stittsville ON
GEN	OTTAWA-CARLTON (OUT OF BUSINESS)	REGIONAL ROAD #5 AT STITTSVILLE VILLAGE	OTTAWA ON
PTTW	Monarch Construction Limited		ON
SPL	CP BULK SYSTEMS	STITTSVILLE MAIN ST. ESSO SERVICE STATION TANK TRUCK (CARGO)	GOULBOURN TWP. ON
WWIS		lot 22	ON
wwis		lot 23	ON
wwis		con 9	ON
WWIS		lot 23	ON

Unplottable Report

Site: **Monarch Corporation**

Ottawa ON

Database: CA

6172-6UAPRG Certificate #: Application Year: 2006 10/6/2006 Issue Date:

Approval Type: Municipal and Private Sewage Works

Approved

Status:

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

1384341 Ontario Ltd. Site:

Ottawa ON

Database:

5816-7G6L4M Certificate #: Application Year: 2008 8/27/2008 Issue Date:

Approval Type: Municipal and Private Sewage Works

Approved

Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: **Emission Control:**

Site: **Monarch Corporation**

Ottawa ON

Database:

5532-6YKSFB Certificate #: Application Year: 2007 Issue Date: 2/22/2007

Approval Type: Municipal and Private Sewage Works

Approved Status: Application Type:

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

Monarch Corporation

Ottawa ON

Database:

Certificate #: 4939-7GMPLQ

Application Year: 2008

Site:

7/18/2008 Issue Date:

Municipal and Private Sewage Works Approval Type:

Status: Approved

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

Site: 1384341 Ontario Ltd. and Monarch Corporation Ottawa ON

Database:

Certificate #: 4663-7JUJPT Application Year: 2008 9/26/2008 Issue Date:

Municipal and Private Sewage Works Approval Type:

Status: Approved

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

Monarch Corporation Site: Ottawa ON

Certificate #: 4408-875LTY

Application Year: 2010 7/21/2010 Issue Date:

Approval Type: Municipal and Private Sewage Works

Approved Status:

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

Monarch Corporation Site: Ottawa ON

4104-7MTPXW

Certificate #: Application Year: 2009 1/6/2009 Issue Date:

Approval Type: Municipal and Private Sewage Works

Status: Approved

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

Database: CA

Database:

Site: Monarch Corporation Database: Ottawa ON

3859-7DCH8J Certificate #:

2008 Application Year: Issue Date: 4/4/2008

Approval Type: Municipal and Private Sewage Works Approved

Status:

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Monarch Corporation Ottawa ON

3662-6ZJLXB Certificate #: Application Year: 2007 Issue Date: 3/25/2007

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Certificate #: 3537-78FQCU

Application Year: 2007 Issue Date: 10/30/2007

1384341 Ontario Ltd.

Ottawa ON

Municipal and Private Sewage Works Approval Type:

Approved

Status:

Site:

Application Type: Client Name:

Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: **Monarch Corporation** Ottawa ON

2511-8BFKF5 Certificate #: 2010

Application Year: Issue Date: 11/30/2010

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Database: CA

Database: CA

Database:

Contaminants: **Emission Control:**

Site: **Monarch Corporation**

Ottawa ON

Database:

1468-6D6PCA Certificate #: Application Year: 2005 Issue Date: 6/10/2005

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:**

Contaminants: **Emission Control:**

Monarch Construction Limited Site: Ottawa ON

Database: CA

Certificate #: 1356-63ZS64 2004 Application Year: Issue Date: 8/24/2004

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

1384341 Ontario Ltd. Site:

Ottawa ON

Database: CA

Certificate #: 0963-777MHJ Application Year: 2007 Issue Date: 9/20/2007

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Monarch Construction Limited Site:

Ottawa ON

Database: CA

Order No: 24060700322

0872-628JJA Certificate #: Application Year: 2004 Issue Date: 8/5/2004

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type:

Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: Emission Control:

Site: 1048219 ONTARIO INC.

WEST RIDGE ESTATES, SWM POND GOULBOURN TWP. ON

Database: CA

Certificate #:3-0655-99-Application Year:99Issue Date:6/21/1999Approval Type:Municipal sewageStatus:Preliminary approval

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: M. HOLITZNER LIMITED

RR #5 (MAIN ST.) GOULBOURN TWP. ON

Database: CA

 Certificate #:
 7-1093-92

 Application Year:
 92

 Issue Date:
 10/21/1992

Issue Date:10/21/1992Approval Type:Municipal waterStatus:Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: M. HOLITZNER LIMITED

RR #5 (MAIN ST.) GOULBOURN TWP. ON

Certificate #: 3-1408-92-Application Year: 92

Issue Date: 10/21/1992
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description.

Project Description: Contaminants: Emission Control:

Site: Monarch Corporation

Ref. Plan 4M-1423 Ottawa ON

Certificate #: 2228-8EYRE3

Database: CA

Database:

Application Year:2011Issue Date:3/28/2011

Approval Type: Municipal and Private Sewage Works

Status:

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

Database:

Site: 1384341 Ontario Ltd. and Monarch Corporation

Ottawa ON

 Certificate #:
 9853-7NAUTA

 Application Year:
 2009

 Issue Date:
 1/16/2009

Approval Type: Municipal and Private Sewage Works

Status: Approved

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

Site: Monarch Corporation

Ottawa ON

6624-7SGSQE 2009

Approved

Issue Date: 5/29/2009
Approval Type: Municipal and Private Sewage Works

Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Certificate #: Application Year:

Project Description: Contaminants: Emission Control: Database: CA

Site: Monarch Construction Limited

Ottawa ON

6736-5WNKVV 2004

Application Year: 2004
Issue Date: 3/2/2004

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City:

Certificate #:

Client Postal Code: Project Description: Contaminants: Emission Control: Database: CA

Site: **Monarch Corporation** Database: CA Ottawa ON

Certificate #: 6872-6FHQN2 2005 Application Year: Issue Date: 8/29/2005

Municipal and Private Sewage Works Approval Type:

Status:

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

Approved

Monarch Corporation Site: Ottawa ON

7843-6RLJ6M

Certificate #: Application Year: 2006 7/14/2006 Issue Date:

Municipal and Private Sewage Works Approval Type:

Approved Status:

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

Site: **Monarch Corporation** Ottawa ON

8421-7WKLTJ Certificate #: Application Year: 2009 Issue Date: 10/8/2009

Municipal and Private Sewage Works Approval Type:

Approved

Status:

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

Site: **Monarch Corporation** Ottawa ON

Certificate #: 8696-6DTPY6 2005 Application Year: Issue Date: 6/30/2005

Municipal and Private Sewage Works Approval Type:

Approved Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code: Database: CA

Order No: 24060700322

Database:

Database:

CA

CA

erisinfo.com | Environmental Risk Information Services

Project Description: Contaminants: Emission Control:

Site: 1384341 Ontario Ltd.

Ottawa ON

Database:

Certificate #:9066-82RRHBApplication Year:2010

Issue Date: 2/23/2010
Approval Type: Municipal and Private Sewage Works

Status:

Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:

Contaminants: Emission Control:

Site: Monarch Corporation

Ottawa ON

Database: CA

 Certificate #:
 9615-7GFP2Z

 Application Year:
 2008

 Issue Date:
 7/28/2008

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: Monarch Corporation

Ref. Plan 4M-1423 Ottawa ON

Database:

 Certificate #:
 5929-8E3LXZ

 Application Year:
 2011

 Issue Date:
 2/23/2011

Approval Type: Municipal and Private Sewage Works

Status: Approved

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

Site: Stittsville South Inc.

Lots 22-24, Concession 9 Geographic Township of Goulbourn CITY OF OTTAWA OI

Database: EBR

EBR Registry No: 012-4520 Decision Posted:
Ministry Ref No: MNRF INST 57/15 Exception Posted:

Notice Type: Instrument Decision
Notice Stage:

Section: Act 1:

Notice Date: December 16, 2015 Act 2:

Proposal Date: July 03, 2015 Site Location Map:

2015 Year:

(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species Instrument Type:

Off Instrument Name:

Posted By:

Company Name: Stittsville South Inc.

Site Address: Location Other: Proponent Name:

Proponent Address: 1737 Woodward Drive, Ottawa Ontario, Canada K2C 0P9

Comment Period:

URL:

Site Location Details:

Lots 22-24, Concession 9 Geographic Township of Goulbourn CITY OF OTTAWA

Site: Database: **EHS**

Nearest Intersection:

Client Prov/State:

Search Radius (km):

Municipality:

X:

Y:

Cherry

Ottawa

-75.905835

45.248288

Order No: 24060700322

QC

0.25

Hartsmere Drive Stittsville ON

20091027033 Order No: Status: C

Report Type: Standard Report Report Date: 11/5/2009 10/27/2009 Date Received: Previous Site Name:

Lot/Building Size: 6.95 acres

Additional Info Ordered:

OTTAWA-CARLTON (OUT OF BUSINESS) Site: Database: REGIONAL ROAD #5 AT STITTSVILLE VILLAGE OTTAWA ON **GEN**

ON0303102 Generator No:

SIC Code: 8351

SIC Description: EXEC./LEGIS. ADMIN.

Approval Years: 98

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

Phone No Admin: Contaminated Facility: MHSW Facility:

Detail(s)

Waste Class: 213

PETROLEUM DISTILLATES Waste Class Name:

Waste Class: 252

Waste Class Name: WASTE OILS & LUBRICANTS

Site: Monarch Construction Limited Database: PTTW ON

010-9847 Decision Posted: EBR Registry No: Ministry Ref No: 1376-84RLVW Exception Posted:

Notice Type: Instrument Decision Section: Notice Stage: Act 1: December 02, 2014 Notice Date: Act 2:

Proposal Date: June 28, 2010 Site Location Map:

2010 Year:

Instrument Type: (OWRA s. 34) - Permit to Take Water Off Instrument Name:

Posted By: Company Name: Monarch Construction Limited

Location Other: Proponent Name:

3584 Jockvale Road, Nepean Ontario, K2G 3H2 Proponent Address:

Comment Period:

Site Address:

URL:

Site Location Details:

Monarch Corporation Address: Lot: 7-10, Concession: 2, Ottawa, City District Office: Ottawa GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 10 -100 metres eg. Topographic Map, Method: GIS Software, UTM Easting: 442618, UTM Northing: 5010739 NEPEAN

Municipality No:

Material Group:

Nature of Damage:

Discharger Report:

Health/Env Conseq:

Agency Involved:

Site: **CP BULK SYSTEMS** STITTSVILLE MAIN ST. ESSO SERVICE STATION TANK TRUCK (CARGO) GOULBOURN TWP. ON

SPL

20604

Database:

Ref No: 32340

Year: Incident Dt:

3/20/1990 Dt MOE Arvl on Scn:

3/20/1990 MOE Reported Dt:

Dt Document Closed:

Site No:

MOE Response: Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse:

Site Name: Site Address: Site Region:

GOULBOURN TWP. Site Municipality:

Site Lot: Site Conc:

Site Geo Ref Accu: Site Map Datum: Northing:

Easting:

Incident Cause: **CONTAINER OVERFLOW**

Incident Event: **Environment Impact:**

Nature of Impact: Contaminant Qtv:

System Facility Address:

Client Name: Client Type: Source Type:

Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Receiving Medium: LAND Incident Reason: **ERROR**

CP BULK SYSTEMS-MAX200 L.GASOLINE TO GROUND FROM UND-GROUND TANK, DELIVERY Incident Summary:

Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed:

Sector Type:

SAC Action Class:

Call Report Locatn Geodata:

lot 22 ON

Database: **WWIS**

Order No: 24060700322

NOT ANTICIPATED

Site:

1525843 Well ID:

Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 91580

Tag:

Constructn Method: Elevation (m):

Elevatn Reliabilty:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality:

Site Info:

Flowing (Y/N): Flow Rate:

Data Entry Status:

Data Src:

Date Received: 11/22/1991 Selected Flag: TRUE

Abandonment Rec:

Contractor: 3749 Form Version:

Owner:

OTTAWA-CARLETON County:

Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

10047578 Bore Hole ID:

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

Date Completed: 10/15/1991 Remarks:

Location Method Desc: Not Applicable i.e. no UTM

GOULBOURN TOWNSHIP

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Elevation:

Elevrc: Zone:

East83: North83: Org CS:

UTMRC: 9

unknown UTM **UTMRC Desc:**

18

Order No: 24060700322

Location Method: na

Overburden and Bedrock

Materials Interval

931062452 Formation ID:

Layer: Color:

General Color: **BROWN** Material 1: 14 **HARDPAN** Material 1 Desc: Material 2: 26

ROCK Material 2 Desc:

Material 3: Material 3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931062453 Layer: 2 Color: 2 General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE

 Material 2:
 73

 Material 2 Desc:
 HARD

 Material 3:
 78

Material 3 Desc: MEDIUM-GRAINED

Formation Top Depth: 4.0
Formation End Depth: 110.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933111394

 Layer:
 1

 Plug From:
 4.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961525843

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10596148

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930083288

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From: Depth To:

Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 991525843

Pump Set At:

Static Level:38.0Final Level After Pumping:70.0Recommended Pump Depth:105.0Pumping Rate:7.0

Flowing Rate:

Recommended Pump Rate: 7.0 Levels UOM: ft Rate UOM: GPM

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

Flowing:

GPM

1

1

CLEAR

0

No

Draw Down & Recovery

934649815 Pump Test Detail ID: Draw Down Test Type: 45 Test Duration: 70.0 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389285 Test Type: Draw Down Test Duration: 30 Test Level: 69.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105628 Draw Down Test Type: Test Duration: 15 58.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933484966 Layer: 1

Kind Code: **FRESH** Kind: Water Found Depth: 83.0 Water Found Depth UOM: ft

Water Details

Water ID: 933484967 Layer: 2 Kind Code: **FRESH** Kind: Water Found Depth: 103.0 Water Found Depth UOM: ft

Site:

lot 23 ON

Well ID: 1528156

Construction Date: Domestic Use 1st:

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 147502

Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty:

Depth to Bedrock: Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Clear/Cloudy:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

Database:

Order No: 24060700322

Flowing (Y/N): Flow Rate:

Data Entry Status:

Data Src:

Date Received: 09/27/1994 TRUE Selected Flag:

Abandonment Rec:

4006 Contractor: Form Version: 1

Owner:

OTTAWA-CARLETON County: Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049695

Elevation: DP2BR: Elevrc: Spatial Status: Zone:

18

Order No: 24060700322

Location Method:

East83: Code OB: Code OB Desc: North83: Open Hole: Org CS: Cluster Kind: UTMRC:

9 Date Completed: 08/03/1994 **UTMRC Desc:** unknown UTM

Remarks:

Location Method Desc: Not Applicable i.e. no UTM

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931068759

Layer: Color: General Color: **BLACK** Material 1: 17 Material 1 Desc: SHALE Material 2:

Material 2 Desc: **FRACTURED**

Material 3:

Material 3 Desc:

35.0 Formation Top Depth: Formation End Depth: 38.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931068757 Formation ID:

Layer:

Color: 6

General Color: **BROWN** Material 1: 02 Material 1 Desc: **TOPSOIL** Material 2: 28 Material 2 Desc: SAND

Material 3:

Material 3 Desc:

0.0 Formation Top Depth: Formation End Depth: 3.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931068760 Formation ID:

Layer: 4 Color: 2 General Color: **GREY** Material 1:

Material 1 Desc: LIMESTONE

Material 2:

MEDIUM-GRAINED Material 2 Desc:

Material 3:

Material 3 Desc: **FRACTURED**

Formation Top Depth: 38.0 Formation End Depth: 44.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931068762

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 73
Material 2 Desc: HARD

Material 3:

Material 3 Desc:

Formation Top Depth: 50.0 Formation End Depth: 120.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931068761

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: 78

Material 2 Desc: MEDIUM-GRAINED

Material 3: Material 3 Desc:

Formation Top Depth: 44.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931068758

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Material 1:
 05

 Material 1 Desc:
 CLAY

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 3.0
Formation End Depth: 35.0

Formation End Depth: 35.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933113011

 Layer:
 1

 Layer:
 1

 Plug From:
 5.0

 Plug To:
 50.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961528156

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10598265

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930086853

Layer: 1

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:50.0Casing Diameter:10.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930086855

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 120.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930086854

Layer: 2
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 50.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 991528156

Pump Set At:

Static Level: 4.0 79.0 Final Level After Pumping: Recommended Pump Depth: 100.0 Pumping Rate: 5.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR**

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934387221

Test Type:

Test Duration: 30 Test Level: 31.0 Test Level UOM: ft

Draw Down & Recovery

934656549 Pump Test Detail ID:

Test Type:

Test Duration: 45 52.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905341

Test Type:

Test Duration: 60 Test Level: 79.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112412

Test Type:

Test Duration: 15 79.0 Test Level: Test Level UOM:

Water Details

Water ID: 933487744

Layer: Kind Code: 5

Kind: Not stated Water Found Depth: 72.0 Water Found Depth UOM: ft

Water Details

Water ID: 933487745

Layer: 2 Kind Code: 5

Not stated Kind: Water Found Depth: 114.0 Water Found Depth UOM:

Site: Database: con 9 ON

Well ID: 1531195 Flowing (Y/N): Flow Rate:

Construction Date:

Use 1st: Domestic

Use 2nd:

Water Supply Final Well Status:

Water Type: Casing Material:

208616 Audit No:

07/17/2000 Date Received: TRUE Selected Flag:

Abandonment Rec:

Data Entry Status:

Data Src:

1558 Contractor: Form Version: 1

Order No: 24060700322

Tag:

Constructn Method:

Elevation (m): Elevatn Reliabilty:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality: **GOULBOURN TOWNSHIP**

Site Info:

Bore Hole Information

Bore Hole ID: 10052729

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 06/21/2000

Remarks:

Location Method Desc: Not Applicable i.e. no UTM

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931077796 Formation ID:

Layer: Color: 6 General Color:

BROWN Material 1: 17 SHALE Material 1 Desc: Material 2: 85 Material 2 Desc: SOFT

Material 3: Material 3 Desc:

Formation Top Depth: 8.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Material 2 Desc:

Formation ID: 931077795

Layer: Color: 6 General Color: **BROWN** Material 1: 28 SAND Material 1 Desc: Material 2: 11

Material 3: 68 Material 3 Desc: DRY Formation Top Depth: 0.0 Formation End Depth: 8.0 Formation End Depth UOM:

Owner:

OTTAWA-CARLETON County:

Lot:

09 Concession: CON Concession Name:

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation:

Elevrc:

Zone: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 24060700322

Location Method:

Overburden and Bedrock

GRAVEL

Materials Interval

Formation ID: 931077797

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Material 1:
 15

Material 1 Desc: LIMESTONE

Material 2: Material 2 Desc: Material 3: Material 3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 85.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933116369

 Layer:
 1

Plug From: 0.0
Plug To: 21.0
Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961531195Method Construction Code:4Method Construction:Rotary (Air)

Other Method Construction:

Pipe Information

 Pipe ID:
 10601299

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930092185

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:

Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930092184

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 Pumping Test Method Desc: Pump Test ID: 991531195

Pump Set At: Static Level:

5.0 50.0

Final Level After Pumping: Recommended Pump Depth: 61.0 Pumping Rate: 20.0 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:

Pumping Duration HR: 1 **Pumping Duration MIN:**

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121157 Test Type: Draw Down Test Duration: 15 Test Level: 83.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913422 Test Type: Draw Down Test Duration: 60 Test Level: 50.0 Test Level UOM: ft

Draw Down & Recovery

934396568 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 Test Level: 75.0 Test Level UOM: ft

Draw Down & Recovery

934665294 Pump Test Detail ID: Draw Down Test Type: Test Duration: 45 50.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933491558 Layer: 1

Kind Code:

Kind: Not stated Water Found Depth: 73.0 Water Found Depth UOM: ft

Site:

Database: lot 23 ON

Order No: 24060700322

Well ID: 1525460 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic

Use 2nd: Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 91548

Tag:

Constructn Method: Elevation (m):

Elevatn Reliabilty: Depth to Bedrock:

Well Depth:

. Overburden/Bedrock:

Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality:

Site Info:

GOULBOURN TOWNSHIP

Bore Hole Information

Bore Hole ID: 10047198

DP2BR:

Spatial Status: Code OB:

Code OB Desc:

Open Hole: Cluster Kind:

05/13/1991 Date Completed:

Remarks:

Location Method Desc: Not Applicable i.e. no UTM

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931061218 Formation ID:

Layer: 2 Color: 2 General Color: **GREY** Material 1: 15

Material 1 Desc: LIMESTONE Material 2: 73 Material 2 Desc: HARD Material 3: 78

Material 3 Desc: MEDIUM-GRAINED

Formation Top Depth: 4.0 Formation End Depth: 105.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931061217 Formation ID:

Layer: Color:

BROWN General Color: Material 1: 05 Material 1 Desc: CLAY Material 2: 12 Material 2 Desc: **STONES** Material 3: 14

Data Entry Status:

Data Src:

06/14/1991 Date Received: TRUE Selected Flag:

Abandonment Rec:

3749 Contractor: Form Version: 1

Owner:

County: **OTTAWA-CARLETON**

Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation:

Elevrc: Zone: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 24060700322

Location Method: na Material 3 Desc: HARDPAN

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933111214

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 7.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933111215

 Layer:
 2

 Plug From:
 7.0

 Plug To:
 21.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961525460

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10595768

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930082637

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 105.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082636

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 21.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Order No: 24060700322

Pumping Test Method Desc: BAILER
Pump Test ID: 991525460

Pump Set At:

Static Level:6.0Final Level After Pumping:85.0Recommended Pump Depth:95.0Pumping Rate:10.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 **CLOUDY** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934112283

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934905824

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 85.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934648644

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934387687

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 55.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933484459

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 101.0

 Water Found Depth UOM:
 ft

Order No: 24060700322

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

AGR

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System:

Provincial

AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

AUWR

Order No: 24060700322

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-Apr 30, 2024

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 2022

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: Oct 2023

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

<u>Chemical Register:</u> 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-Apr 30, 2024

Compressed Natural Gas Stations:

Private CNC

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 2023

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

Order No: 24060700322

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-Mar 2024

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Mar 31, 2024

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 - Aug 2023

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: Oct 2023

Environmental Activity and Sector Registry:

Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Mar 31, 2024

Environmental Registry:

Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Mar 31, 2024

Environmental Compliance Approval:

Provincial

FCA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Mar 31, 2024

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-Mar 31, 2024

Environmental Issues Inventory System:

Federal

EIIS

Order No: 24060700322

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:

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial

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, 2022

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: Oct 2023

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

ECS.

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-Mar 2024

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

Order No: 24060700322

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: Oct 31, 2021

For Formical FST 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: Oct 2023

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-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2021

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

NC

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: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

Order No: 24060700322

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2024

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, 2022

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-Nov 2023

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

Order No: 24060700322

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

JFFS.

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 1993-2020:

Federal

NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic:

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. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 29, 2024

Ontario Oil and Gas Wells:

Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites:

Provincial

OPCB

Order No: 24060700322

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Mar 31, 2024

Canadian Pulp and Paper:

Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Mar 31, 2024

NPRI Reporters - PFAS Substances:

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI:

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Perand polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Mar 31, 2024

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

Order No: 24060700322

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, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2024

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-Apr 30, 2024

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 SPI

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Dec 2023 and Jan 29, 2024-Feb 29, 2024 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Jan 2023; see description

Wastewater Discharger Registration Database:

Provincial

SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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

CFT

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 - Apr 2023

Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

Order No: 24060700322

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Mar 31, 2024

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

Order No: 24060700322

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: Dec 31 2023

Definitions

<u>Database Descriptions:</u> This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

<u>Detail Report</u>: 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.

<u>Distance:</u> The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

<u>Direction</u>: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

<u>Elevation:</u> 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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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.

Order No: 24060700322

APPENDIX 3

QUALIFICATIONS OF ASSESSORS



solution oriented engineering



Adrian Menyhart, P.Eng., ing., QP_{esa} Senior Project Manager

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

Adrian has filed multiple Records of Site Condition with the Ontario Ministry of the Environment, Conservation and Parks and is knowledgeable with respect to Ontario's On-site and Excess Soil Regulation. Adrian is also experienced with the Federal CCME environmental soil and groundwater standards. Fluently bilingual, Adrian holds engineering licenses in both Ontario and Quebec, as well as being a Qualified Person in the Province of Ontario.

EDUCATION

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

LICENCE/PROFESSIONAL AFFILIATIONS

Ordre des Ingénieurs du Québec

Professional Engineers of Ontario

Ottawa Geotechnical Group

YEARS OF EXPERIENCE

Paterson Group 2020-Present

WSP Canada Inc. 2019-2020

National Research Council 2018-2019

Paterson Group 2011 – 2018

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- Arcadis/CLC/PSPC, Phase I and Phase II ESA of Tunney's Pasture complex (multiple blocks).
- Pomerleau, Alexandra Bridge, Project Specific Designated Substance Surveys.
- The Ottawa Hospital, Remediation of New Civic Campus, to Provincial and Federal CCME standards.
- PSPC, Alexandra Bridge Replacement, Phase II ESA, Ottawa/Gatineau – provided oversight of the Phase I and Phase II program for the bridge replacement program.
- PSPC/BGIS, Finance Building and Annex Tunney's Pasture, Phase II ESA – Oversaw the planning, reporting and completion of a Phase II ESA within the project buildings.
- Canada Lands Corporation, 530 Tremblay Avenue, Oversaw the planning, reporting and completion of a Phase I ESA, and planning requirements of a Phase II ESA.
- National Fire Laboratory, PFAS investigation Provided technical support for the National Research Council, with respect to the ongoing PFAS investigation.



PROFESSIONAL EXPERIENCE

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

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

March 2019 to 2020, Environmental Engineer, WSP Canada Inc., Ottawa, Ontario

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

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

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

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

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

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

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