**FINAL REPORT**

# Phase One Environmental Site Assessment

*6305 Ottawa Street West, Ottawa, Ontario*

Submitted to:

**Caivan (Richmond North) Limited**
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Ottawa, Ontario
K2H 1B2

Submitted by:

**Golder Associates Ltd.**
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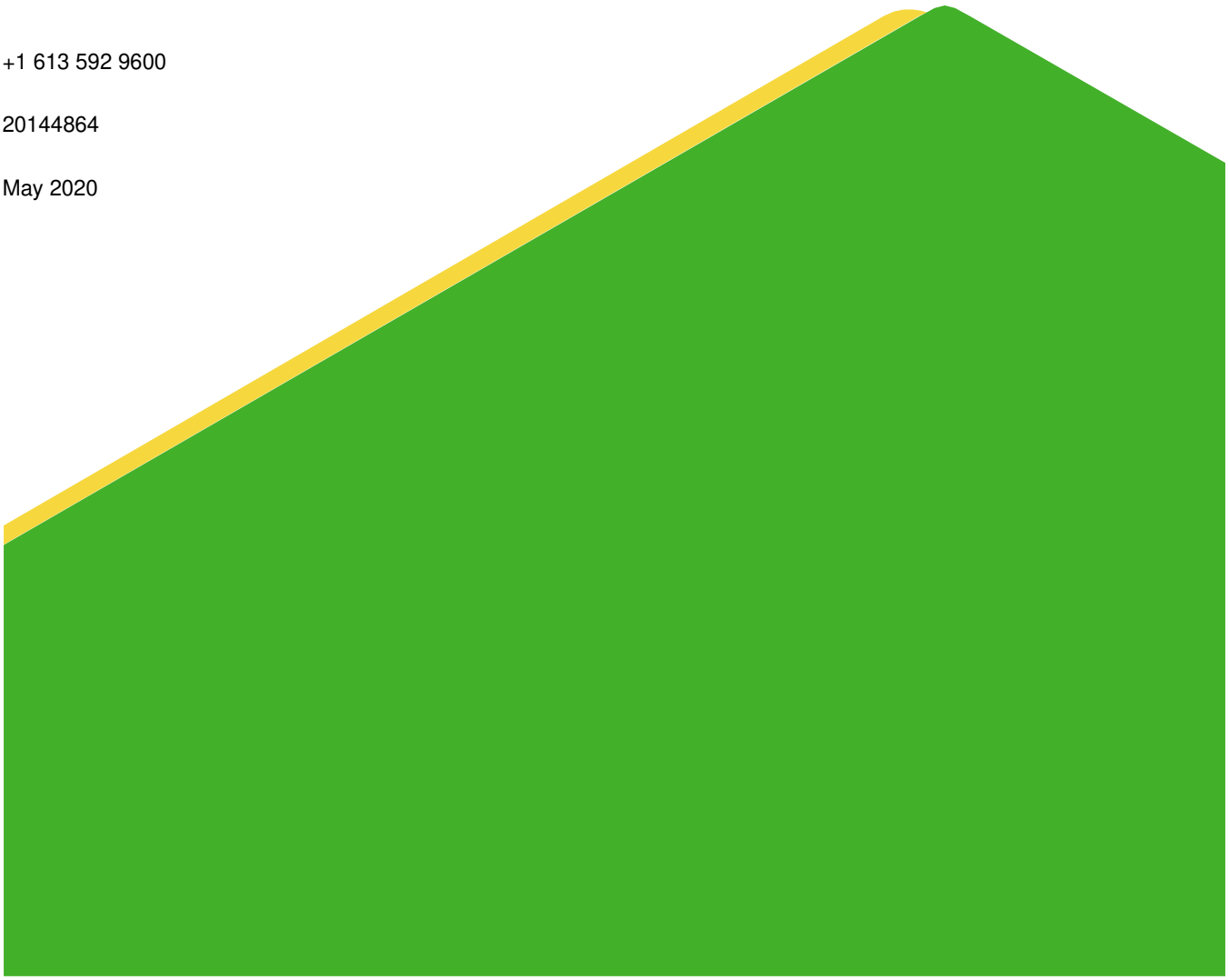

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# Executive Summary

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.

Golder Associates Ltd. (Golder) was retained by Caivan (Richmond North) Limited (“Caivan”) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 6305 Ottawa Street West in Richmond, Ontario (herein after referred to as the “Site” or “Phase One Property”) as shown on Figures 1. For reporting purposes, Site north has been defined such that Ottawa Street West has an east-west axis. At the time of the Site visit, conducted on May 13, 2020, the Site consisted of a 17.6 acre parcel of undeveloped agricultural land with a treed area on the northeast portion of the Site.

It is understood that the Phase One Property is proposed to be developed with residential buildings. Given that the Phase One Property has been used for agricultural and/or residential purposes (farm related structures associated with adjacent farm house) and is to be redeveloped with residential buildings, there will be no change in the land use from less sensitive to more sensitive. As such, there is no mandatory requirement for a RSC to be filed for the Site.

The Phase One ESA was completed in accordance with Ontario Regulation (O. Reg. 153/04), as amended, and included a review of available current and historical information regarding the Site and surrounding properties, a Site reconnaissance, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 9.0 of this report.

Based on the information obtained as part of this Phase One ESA, none of the identified PCAs were considered to represent an APEC for the Site and a Phase Two ESA is not recommended to be carried out at the Site at this time. At the time of the Site visit, an area of metals debris is located on the northwest portion of the treed area and small amount of metal, wood, plastic, paper and concrete debris is scattered in the treed area on the Site. Foundation elements and asphalt pavement were noted in the area of the former farm buildings. The presence of this debris and former building elements is not considered to be an on-Site PCA; however, it is considered to be a property management issue and should be removed from the Site prior to development.

There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One Conceptual Site Model or the findings of this Phase One ESA.

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# 1.0 INTRODUCTION

## 1.1 Phase One Property Information

Golder Associates Ltd. (Golder) was retained by Caivan (Richmond North) Limited ("Caivan") to conduct a Phase One Environmental Site Assessment (Phase One ESA) of the following properties:

| | |
|---|---|
| **Municipal Address** | 6305 Ottawa Street West, Richmond, Ontario |
| **Property Identification Numbers** | Unknown |
| **Legal Description** | Unknown |

The Site location is provided on Figure 1. A Site plan is provided on Figure 2A. For reporting purposes, Site north has been defined such that Ottawa Street West has an east-west axis.

The contact information for the Site is:

| Site Owner/Client | Address | Contact Information |
|---|---|---|
| Caivan (Richmond South) Limited | 2934 Baseline Road<br>Ottawa, Ontario<br>K2H 1B2 | Zeyad Hassan<br>Office: 613-518-1864 ext. 507<br>Email: Zeyad.Hassan@caivan.com |

# 2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Site and a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre (m) radius of the boundary of the Site (collectively referred to as the "Phase One Study Area"). The boundary of the Phase One Study Area is presented in Figure 2A.

The objectives of the Phase One ESA are to:

1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in, or under the Site.

2) Determine the need for a Phase Two Environment Site Assessment (ESA).

3) Provide a basis for carrying out a Phase Two ESA.

4) Provide adequate preliminary information about environmental conditions in the land or water on, in, or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA.

5) Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

# 3.0 RECORDS REVIEW

## 3.1 General

### 3.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 m radius of the boundary of the Site. Based on Golder's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Site and observations of neighbouring properties made during the Site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Site was sufficient to achieve the objectives of the Phase One ESA.

### 3.1.2 First Developed Use Determination

Based on the information obtained in the documentation review (discussed in the next sections of this report) and information provided by the Site Representative, the Site was developed prior to 1946 with a few farm related buildings that were located on the easternmost portion of the Site associated with an adjacent residence to the east of the Site. The structures were removed by 2002 and the Site has since been vacant land.

### 3.1.3 Fire Insurance Plans

Golder conducted a search of available Fire Insurance Plans (FIPs) for the Phase One Property and the surrounding properties within the Phase One Study Area. FIPs were not available for the Phase One Property or the Phase One Study Area.

### 3.1.4 Chain of Title

From Golder's review of aerial photography and other information, the majority of the Phase One Property (has been undeveloped, agricultural and/or vacant land since at least 1946 with exception of a few former farm related structures on the easternmost portion of the Site. Chain of Title information was not ordered as it was deemed that the other information from the records review would satisfy the objectives of the records search and that the information to be provided in a Chain of Title would not contribute additional environmental information relevant to the Phase One ESA.

### 3.1.5 City Directories

A significant amount of information for the Site and surrounding properties was obtained from the ERIS report, City of Ottawa Historical Land Use Inventory (HLUI) and aerial photographs discussed in Section 3.2.1, 3.2.3 and 3.3.1, respectively. As such, city directories for all the properties within the Phase One Study Area were not reviewed as they would not likely provide any further information.

### 3.1.6 Environmental Reports

The following hydrogeological report completed for the Site and surrounding properties was available for review and considered noteworthy:

- **"2010 Hydrogeological Investigation"**, *Hydrogeological Investigation, Proposed Mattamy Homes Development, Richmond (Ottawa), Ontario,* dated July 16, 2010, prepared for Mattamy Homes by Golder.

The 2019 Hydrogeological Investigation was completed for a large parcel of land which included the Site. As part of the investigation, a multi-level well was installed on the southeast portion of the Site in April 2010 for hydrogeological purposes. One well was completed in the overburden to a depth of 1.52 mbgs and the other was completed in bedrock to a depth of 4.24 mgs. The water levels in July 2010 were 2.54 and 2.26 mbgs, respectively. The subsurface conditions encountered was topsoil over silty sand to sandy silt overlying a sandy silt glacial till which was underlain by sandstone and dolostone bedrock. The bedrock was encountered at a depth of 3.07 mbgs.

## 3.2 Environmental Source Information

### 3.2.1 ERIS Report

Golder contracted ERIS to conduct a search of environmental sources, including federal, provincial, and private sector databases, for information on the Phase One Property and Study Area. The ERIS report is provided in Appendix B.

The databases searched included the following:

| Federal | Provincial | Private |
|---|---|---|
| ■ Contaminated Sites on Federal Land<br>■ Dry Cleaning Facilities<br>■ Environmental Effects Monitoring<br>■ Environmental Issues Information System<br>■ Federal Convictions<br>■ Fisheries & Oceans Fuel Storage Tanks<br>■ Greenhouse Gas Emissions from Large Facilities<br>■ Indian & Northern Affairs Fuel Tanks<br>■ National Analysis of Trends in Emergencies System (NATES)<br>■ National Defence & Canadian Forces Fuel Storage Tanks<br>■ National Defence & Canadian Forces Spills<br>■ National Defence & Canadian Forces Waste Disposal Sites<br>■ National Energy Board Pipeline Incidents<br>■ National Energy Board Wells<br>■ National Environmental Emergencies System (NEES)<br>■ National PCB Inventory<br>■ National Pollutant Release Inventory<br>■ Parks Canada Fuel Storage Tanks<br>■ Transport Canada Fuel Storage Tanks | ■ Abandoned Aggregate Inventory<br>■ Abandoned Inventory<br>■ Aggregate Mine Information System<br>■ Borehole<br>■ Certificates of Approval<br>■ Certificates of Property Use<br>■ Commercial Fuel Oil Tanks<br>■ Compliance and Convictions<br>■ Drill Hole Database<br>■ Environmental Activity and Sector Registry<br>■ Environmental Compliance Approval<br>■ Emergency Management Historical Event<br>■ Environmental Registry<br>■ Fuel Storage Tank<br>■ Fuel Storage Tank – Historic<br>■ Inventory of Coal Gasification Plants and Tar Sites<br>■ Inventory of PCB Storage Sites<br>■ Landfill Inventory Management Ontario<br>■ List of TSSA Expired Facilities<br>■ Environmental Penalty Annual Report<br>■ Mineral Occurrences<br>■ Non-Compliance Reports<br>■ Ontario Oil and Gas Wells<br>■ Ontario Regulation 347 Waste Generators Summary<br>■ Ontario Regulation 347 Waste Receivers Summary<br>■ Ontario Spills<br>■ Orders<br>■ Permit to Take Water<br>■ Pesticide Register | ■ Anderson's Storage Tanks<br>■ Anderson's Waste Disposal Sites<br>■ Automobile Wrecking & Supplies<br>■ Canadian Mine Locations<br>■ Canadian Pulp and Paper<br>■ Chemical Register<br>■ Compressed Natural Gas Stations<br>■ ERIS Historical Searches<br>■ Oil and Gas Wells<br>■ Retail Fuel Storage Tanks<br>■ Scott's Manufacturing Directory |

| Federal | Provincial | Private |
|---|---|---|
| | ■ Private and Retail Fuel Storage Tanks<br>■ Record of Site Condition<br>■ TSSA Historic Incidents<br>■ TSSA Incidents<br>■ TSSA Pipeline Incidents<br>■ TSSA Variances for Abandonment of Underground Storage Tanks<br>■ Waste Disposal Sites - MOECC 1991 Historical Approval Inventory<br>■ Waste Disposal Sites - MOECC CA Inventory<br>■ Wastewater Discharger Registration Database<br>■ Water Well Information System | |

The complete ERIS report, including a brief description of each of the databases searched for the Phase One ESA, is included in Appendix B.

The following is a summary of the findings as identified within the ERIS report for the Site and for the surrounding properties within the Phase One Study Area:

### *On-Site*

The ERIS Report had a record of two ERIS historical searches completed for the Phase One Property.

### *Surrounding Properties within 250 metres of the Site*

Noteworthy records for the Phase One Study Area (excluding the Phase One Property) included the following:

- Borehole (BORE) – There are five borehole listings within the Phase One Study Area. The boreholes were completed to depths ranging between 3.1 and 31.7 mbgs. The boreholes generally encountered clay and glacial till over limestone bedrock.
- Certificates of Approval (CA) – There were three Certificates of Approval (C of As) listings within the Phase One Study Area, all of which were issued for municipal sewage.
- Ontario Regulations 347 Waste Generators Summary (GEN) – The ERIS report has 12 records of waste generating sites within the Phase One Study Area. All records were for Rabb Construction Ltd. located south of 6250 Ottawa Street West which was listed as a generator of waste oils and lubricants.
- TSSA Historical Incidents (HINC) – There is a record of one TSSA historical incident within the Phase One Study Area. The record was for a fuel oil spill that occurred at a private residence located at 136 Burke Street (approximately 150 m east of the Site). The spill occurred in July 2007; however, the quantity of oil spilled was not provided in this record.

- Ontario Spills (SPL) – There is one record of a spill occurring within the Phase One Study Area. The record was for a fuel oil leak that occurred in July 2007 at 136 Burke Street. It is likely that this is record is for the same spill reported in the HINC database. This record indicated that the spill was 30 L of fuel oil that spilled from a fuel oil AST and that is was contained and cleaned up.
- Water Well Information System (WWIS) – There are 67 water wells within the Phase One Study Area. Details of the water wells are provided in the ERIS report in Appendix B.

Based on the review of the ERIS report, the current and/or former fuel oil AST with reported spillage at 136 Burke Street (approximately 150 m east of the Site) is considered to be an off-Site PCA. No PCAs were identified on the Site.

### 3.2.2 Ministry of the Environment, Conservation and Parks

The Ottawa district office of the Ontario Ministry of Environment, Conservation and Parks (MECP) was asked to respond in writing to the following questions:

- Active orders under the Environmental Protection Act (EPA), the *Ontario Water Resources Act* (OWRA), and the *Pesticides Act* (PA).
- Approvals under Sections 9 and 39 of the EPA as well as Sections 52 and 53 of the OWRA

A formal response from the MECP was received by Golder on May 5, 2020. The review of the MECP response indicated that no Active Orders, Certificate of Approvals, or Environmental Compliance Approvals have been issued for the Site.

### 3.2.3 City of Ottawa

Golder completed a review of the City of Ottawa HLUI (HLUI) for the Site and surrounding area. There were no records for the Site in the HLUI and there were no noteworthy records for the surrounding properties in the Phase One Study Area.

### 3.2.4 Ministry of Natural Resources and Forestry (MNRF)

Based on available resources and information provided by the MNRF Ministry of Natural Resources and Forestry (MNRF), there are no Natural Heritage Features (e.g., Provincially Significant Wetlands, Areas of Natural and Scientific Interest, etc.) located on the Site; however, there is a potential for Species at Risk (SAR) to be present on the Site or in proximity to it. It is noted; however, that the potential for SAR presence is provided by geographic townships (Goulbourn Township for this Site) which is a much larger area than the Phase One Study Area.

### 3.2.5 Technical Standards and Safety Authority, Fuel Safety Division Records

The Technical Standards and Safety Authority (TSSA) maintains records related to registered underground storage tanks (USTs) for petroleum-related products. The TSSA was contacted to establish the status of the Site and to identify outstanding instructions, incident reports, fuel oil spills or contamination records.

The TSSA replied on May 5, 2020 and indicated that the TSSA did not have any records for the Site or surrounding properties searched within the Phase I Study Area.

## 3.3 Physical Setting Sources

### 3.3.1 Aerial Photographs

Aerial photographs of the Site and neighbouring properties were obtained from Golder's in-house photo records and were dated 1946, 1959, 1968 and 1985. In addition, the aerial photographs for 1976, 1991, 1999, 2002, 2005, 2011, 2014 and 2017 from the City of Ottawa geo-map (http://maps.ottawa.ca/geoOttawa/) were reviewed on-line. Golder selected aerial photographs based on availability and date intervals to help develop an understanding of the history of the development of the Phase I Property and Phase One Study Area. The information obtained from the aerial photographs was limited by the quality and scale of the available aerial photographs. The earliest aerial photograph available was from 1946.

The Site was developed prior to 1946 with a few farm buildings and small sheds associated with an adjacent house to the east of the Site at 105 Queen Charlotte Street. The structures were centrally located the easternmost portion of the Site and partly extended onto the adjacent land east of the Site. Another farm-related building was constructed in this area between 1976 and 1986. The earlier structures were removed from the Site by 1999 while the later remained present until sometime between 1999 and 2002. The remainder of the Site has been vacant and/or agricultural land since prior to 1946 with a treed area on the northern portion of the Site that extended south into the former building areas after they were removed.

The surrounding properties to the north and west of the Site have been undeveloped vacant and/or agricultural fields since prior to 1946. The surrounding lands to the east and south of the Site were developed with a few residential houses prior to 1946 and 1968, respectively. Increasing residential development occurred on these lands between 1976 and 1991; however, a large portion of the lands south of the Site has also been agricultural or vacant land. A church has also been present to the east of the Site since the 1960's and a construction yard has been present southeast of the Site since sometime between 1976 and 1991. The construction yard is located just south of 6250 Ottawa Street West approximately 160 m southeast of the Site and has contained various pieces of equipment and vehicles. Although there are no records of fuel storage tanks at the construction yard, it is likely that it had fuel storage tanks. Additionally, several piles of fill have also been located at various locations across the construction yard over the years.

The review of the aerial photographs did not identify any on-Site PCAs; however, the construction yard and associated fill piles is considered to be an off-Site PCA.

### 3.3.2 Topography, Hydrology and Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. A topographic map (Ontario Base Map) showing the Site and the Phase One Study Area and the location of any water bodies is provided in Figure 3. Additional information on Site features, as observed at the time of the Site visit, is provided in Section 6.

| Topic | Conditions | Comment / Source |
|---|---|---|
| **Topography of Site and Surrounding Area** | The topography of the Site and surrounding area has a slight downward slope to the east/southeast. | Site and surrounding area observations and Figure 3 – Topographic Map and Areas of Natural Significance |

| Topic | Conditions | Comment / Source |
|---|---|---|
| **Overburden Soils** | The geological mapping indicated that the overburden soils at the Site consist of Offshore Marine Deposits (clay, silty clay and silt) with the exception of the southeast corner of the Site where till, plain with local relief <5m is expected. The overburden soil encountered on the southeast portion of the Site during the hydrogeological investigation consisted of topsoil over silty sand to sandy silt overlying a sandy silt glacial till. | Bélanger, J. R. 2008 Urban Geology of the National Capital Area, Geological Survey of Canada, Open File 5311, 1 DVD.<br><br>2010 Hydrogeological Investigation |
| **Type of Bedrock** | Oxford Formation (dolostone, minor shale and sandstone). | Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 219<br><br>2010 Hydrogeological Investigation |
| **Depth to Bedrock** | The geological mapping indicates that the depth to bedrock is expected to be between 2 and 3 mbgs on the southern portion of the Site and between 3 and 5 mbgs on the northern portion of the Site. Bedrock was encountered at 3.07 mbgs in the monitoring well on the southeast portion of the Site. | 2010 Bélanger, J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open File D3256, 2001<br><br>2010 Hydrogeological Investigation |
| **Inferred Near Surface Groundwater Flow** | Local groundwater is anticipated to flow east/southeast towards the Jock River. | Site and surrounding area observations, Figure 1 – Key Plan and Figure 3 – Topographic Map and Areas of Natural Significance |
| **Site Grade Relative to the Adjoining Properties** | The Site is generally at grade with the adjacent properties north and west but above the grade of the adjacent properties east and south. | Site and surrounding area observations and Figure 3 – Topographic Map and Areas of Natural Significance |
| **Depth to Groundwater** | Approximately 2.5 mbgs. | 2010 Hydrogeological Investigation |

It should be noted that local groundwater flow may be influenced by underground utilities (i.e., service trenches) and building structures. For example, the gravel pack used around utilities, such as a water line, can act as interceptors and redirect groundwater flow along the direction of the pipe. If a more accurate description of geology, groundwater flow and groundwater quality is required, a subsurface investigation would be necessary.

### 3.3.3 Fill Materials

| Topic | Conditions | Comment / Source |
|---|---|---|
| **Fill Materials** | Additionally, there appeared to be a pile wood waste on the eastern portion of the treed area. It is possible that some fill material is present within this pile, but it appeared to mostly contain wood waste. Furthermore, the Site Representative indicated that there is no fill material on the Site. | Site observations and Site Representative |

### 3.3.4 Water Bodies and Areas of Natural Significance

| Topic | Conditions | Comment / Source |
|---|---|---|
| **Nearest Open Water Body** | The nearest permanent watercourse is the Jock River which is located approximately 280 metres east of the Site. There was also some areas of standing water that were located in areas that had been stripped on the adjacent property west of the Site. | Site observations and Figure 1– Key Plan |
| **Areas of Natural Significance** | No areas of natural and scientific interest (ANSI) are known to be located on the Site or on the Phase One Study Area. Based on available information, the Site is not considered to be an environmentally sensitive area. However, Species at Risk have been identified by the MNRF to be potentially present on the Site or on the nearby lands; | Figure 3 (Topographic Map and Areas of Natural Significance) and MNRF |

### 3.3.5 Well Records

| Topic | Conditions | Comment / Source |
|---|---|---|
| **Water Wells on Site** (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use) | A multi-level well was installed on the southeast portion of the Site in April 2010 for hydrogeological purposes. The shallow well was completed in the overburden to a depth of 1.52 mbgs and the deeper was completed in bedrock to a depth of 4.24 mgs. The water levels in July 2010 were 2.54 and 2.26 mbgs, respectively. These wells were present on the Site at the time of the Site visit. | Site Observations and 2010 Hydrogeological Investigation |
| **Water Wells on the Neighbouring Properties** (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use) | Based on the ERIS report, there are 67 water wells within the Phase One Study Area. Details of these water wells are provided in the ERIS report in Appendix B.<br><br>At the time of the Site visit one monitoring well was located to the west of the northern portion of the Site. This well was completed on the adjacent property as part of the 2010 Hydrogeological Investigation. Two newer standpipes were also present on this adjacent property on the south portion of the property. | ERIS Report, 2010 Hydrogeological Investigation and, Site Observations |

## 3.4 Site Operating Records

The Site is current vacant and has historical only been used for agricultural and/or residential purposes. No Site operating records were provided to Golder for review.

# 4.0 INTERVIEWS

Golder conducted an interview with Zeyad Hassan (hereinafter referred to as the "Site Representative") to discuss information about the historical and current activities carried out on the Site. Pursuant to the requirements O.Reg. 153/04, the Site Representative was interviewed as the "current owner" with knowledge of current Site operations.

Relevant information obtained during the interview and Site visit is provided in Section 5.0.

# 5.0 SITE RECONNAISSANCE

## 5.1 General Requirements

Alyssa Whiteduck of Golder visited the Site on May 11, 2020. The Site visit consisted of a walk-around the Site along with a cursory inspection of surrounding properties from the Site and publicly accessible areas. The Site was undeveloped agricultural land with the exception of a treed area on the northeast portion of the Site.

Photographs of relevant features noted during the Site visit are provided in Appendix C.

## 5.2 Specific Observations at Phase One Property

The specific observations made during the Site visit are presented in the following sections.

| Topic | Observations | Source |
|---|---|---|
| **Structures**<br>**Number and Age of Buildings on the Site** | No buildings or structures were present on the Site. Evidence of the former farm buildings were observed in the form of concrete foundation elements. | Site observations and Site Representative |
| **General Descriptions of Each Building (including improvements)** | Not applicable. | Site observations and Site Representative |
| **Building Areas** | Not applicable. | Site observations |
| **Number of Floors (include all levels, whether above or below ground)** | Not applicable. | Site observations |
| **Number, Age, and Depth of Levels Below Ground Level** | Not applicable. | Site observations |

| Topic | Observations | Source |
|---|---|---|
| **Number and Details of all Aboveground Storage Tanks (ASTs)** | None observed or reported. It is possible that the former farm related buildings were heated and may have been heated with fuel oil stored in ASTs; however, no information was provided regarding these buildings to support this.<br>Based on the age of the buildings within the Phase One Study Area, there is a potential that they formerly had, or still have, fuel oil storage tanks that were most likely ASTs. | Site observations and Site Representative |
| **Number and Details of all Underground Storage Tanks (USTs)** | No evidence (fill/vent pipes extending through walls or slabs/ground surface, no staining or any obvious odours) was observed during the Site visit to indicate the current or former presence of fuel or chemical USTs on the Site. | Site observations and Site Representative |
| **Asbestos-Containing Materials (ACMs)** | No evidence was observed during the Site visit to indicate the presence of ACMs. | Site observations |
| **Lead-Based Paints (LBPs)** | No evidence was observed during the Site visit to indicate the presence of LBPs. | Site observations |
| **Polychlorinated Biphenyls (PCB) Containing Materials and Equipment** | No evidence was observed during the Site visit to indicate the current or former presence of PCB-containing material or equipment. However, pole- and pad-mounted transformers were noted adjacent to the roads within the Phase One Study Area. No evidence of spills of leaks was noted in the area of the transformers at the time of the Site visit. No labels indicating whether the transformers are PCB-containing or not were noted on any of the transformers. | Site observations |
| **Underground Utilities**<br>**Potable and Non-Potable Water Sources** | The Site is not connected to the municipal water supply. There were no potable water sources identified at the Site at the time of the Site visit. Some of the adjacent properties were noted to be on water wells and not connected to the municipal water supply. | Site observations |
| **Utility Lines Present (i.e. Electrical, Natural Gas, other)** | None observed. | Site observations |
| **Sanitary/Process Wastewater Receptor** | No sanitary or process wastewater is generated on-Site. | Site observations |
| **Sanitary Sewer Connection** | The Site is not connected to the municipal sanitary sewer. However, there is sanitary sewer service in the adjacent roadways. | Site observations |
| **Septic Systems** | None identified. | Site observations and Site Representative |
| **Storm Water Flow** | Storm water run-off is through natural soil infiltration. | Site observations |
| **Storm Sewer Connection** | The Site is not connected to the municipal storm sewer. | Site observations |

| Topic | Observations | Source |
|---|---|---|
| **Interior of Structures**<br>**Entry and Exit Points for Site Buildings** | No buildings or structures were present on the Site. | Site observations and Site Representative |
| **Existing and Former Heating System(s) (include fuel type / source)** | As no buildings or structures were present on the Site, there were no existing heating systems observed or reported. | Site observations and Site Representative |
| **Existing and Former Cooling System(s) (include fuel type / source)** | As no buildings or structures were present on the Site, there were no existing cooling systems observed or reported. | Site observations |
| **Drains, Pits, and Sumps (include current use, if any, and former use)** | None identified. | Site observations |
| **Unidentified Substances** | None identified. | Site observations |
| **Floor Stains or Corrosion Located near a Potential Discharge Location** | None identified. | Site observations |
| **Miscellaneous Exterior**<br>**Location of any Current and Former Wells** | At the time of the Site visit, one well casing was observed on the southeast portion of the Site. This was for the multi-level well that was installed in 2010 for hydrogeological purposes. | Site observations |
| **Ground Cover (i.e., grass, gravel, soil, or pavement, etc.)** | The majority of the ground cover included an agricultural field and a treed area that was present on the northeast portion of the Site. Within the treed area was a concrete foundation from one of the former buildings and a paved area to the south of the concrete foundation, both of which were located along the easternmost portion of the Site. | Site observations and Site Representative |
| **Current or Former Railway Lines or Spurs** | None observed or reported. | Site observations. |
| **Presence of Stained Soil, Vegetation, or Pavement** | None identified. | Site observations |
| **Presence of Stressed Vegetation** | None identified. | Site observations |

| Topic | Observations | Source |
|---|---|---|
| **Areas Where Fill and/or Debris Materials Appear to Have Been Placed** | An area of metal debris was observed in the northwest portion of the treed area. Other small amounts of metal, plastic, paper and concrete debris was scattered throughout the treed area. Small amount of metal, plastic and paper debris was observed in various locations throughout the treed area.<br><br>There appeared to be a pile wood waste on the eastern portion of the treed area. It is possible that some fill material is present within this pile but it appeared to mostly contain wood waste. Furthermore, the Site Representative indicated that there is no fill material on the Site. | Site observations and Site Representative |
| **Potentially Contaminating Activity** | None identified. | Site observations and Site Representative |

### 5.2.1 Enhanced Investigation Property

The Site has only been used for agricultural and residential purposes has not been used as an automotive garage, a bulk liquid dispensing facility or a dry-cleaning facility. As such, the Site is not considered to be an enhanced investigation property as defined by O. Reg. 153/04.

## 5.3 Surrounding Land Use

During the Site visit, a visual reconnaissance of the outdoor operations in the Phase One Study Area was carried out from the Site and publicly accessible areas.

The surrounding properties include residential, commercial and community land uses, as illustrated on Figure 2.

**North:** Agricultural fields.

**East:** Several single residential houses as well as a church.

**South:** Single residential houses are located to the south and southeast of the Site followed by a construction yard approximately 160 m southeast of the Site. The construction yard was only partly visible due to the residential houses and trees north of it. The lands to the southwest of the Site vacant and undergoing residential development. Some piles of material were present on these lands; however, the fill is likely the material stripped from the property itself associated with the ongoing residential development and therefore no considered to be a PCA.

**West:** Vacant land undergoing residential development. Similar to the lands to the southwest of the Site, some piles of material were present on these lands; however, the fill is likely the material stripped from the property itself associated with the ongoing residential development and therefore no considered to be a PCA. Large areas of standing water was also noted in some of the areas that had been stripped.

## 5.4 Written Description of Investigation

The Site is located at 6305 Ottawa Street West in Ottawa, Ontario and is bounded to the south by Ottawa Street West. At the time of the Site visit, conducted on May 13, 2020, the Site consisted of a 17.6 acre parcel of undeveloped agricultural land with a treed area on the northeast portion of the Site.

During the Site visit, a paved area and an old concrete foundation one of the former farm related buildings was in the eastern portion of the treed area. An area of metals debris was also observed on the northwest portion of the treed area and other pieced of metal, plastic, paper, concrete and wood debris was scattered in the treed area.

Some of the trees had been cut down and cut for firewood. Several piles of firewood were located through this area. Additionally, there appeared to be a pile wood waste on the eastern portion of the treed area. It is possible that some fill material is present within this pile, but it appeared to mostly contain wood waste. Furthermore, the Site Representative indicated that there is no fill material on the Site.

The multi-level well that was installed on the southeast portion of the Site in 2010 was present on the Site at the time of the Site visit.

The surrounding properties within the Phase One Study Area included residential, commercial and community land uses. During the Site visit, a construction yard was located approximately 160 m southeast of the Site. It is likely that this construction yard has had fuel ASTs on the property and thus is considered to be an off-Site PCA. Several piles of fill material were located on the adjacent lands east and south of the Site associated with the ongoing residential development of these lands. However, this fill material was likely sourced from the area itself and therefore is not considered to be an issue of concern.

# 6.0 REVIEW AND EVALUATION OF INFORMATION

## 6.1 Current and Past Uses of the Site

The following summarizes the current and past uses of the Phase One Property:

| Year(s) | Name of Owner(s) | Description of Property Use | Property Land Use According to Reg.153/04 | Other Observations from Aerial Photographs, Fire Insurance Plans, Etc. |
|---|---|---|---|---|
| Prior to 1946 to 1999-2002 | Unknown | The Site was primarily vacant and agricultural land; however, the easternmost portion of the Site was developed with a few farm related structures associated with an adjacent farm residence located to the east of the Site. | Agricultural or other use | The aerial photographs between 1946 and 1999 show that the Site was developed with a few farm related buildings on the easternmost portion of the Site. The farm residence was located off-Site to the east of the Site. No aerial photograph coverage was available for prior to 1946. |
| 1999-2002 to March 2020 | Previous owners before March 2020 was Pine Development Corporation; however, the name of prior owners is unknown. | Undeveloped agricultural land. | Agricultural or other use | Based on the review of the aerial photographs, all structures on the Site were removed between 1999 add 2002 and the since has been since agricultural and/or vacant land. At the time of the Site visit, the Site was vacant and had a few trees on the northeast portion of the Site. |
| March 2020 to Present | Currently owned by Caivan (Richmond South) Limited) | | | The Site Representative reported that Caivan (Richmond South) Limited has owned the Site since March 2020. |

## 6.2 Potentially Contaminating Activity

Potentially contaminating activities, which if currently or historically carried out at a Site, may contribute to an area of potential environmental concern (APEC). Based on the information obtained as part of this Phase One ESA, the following PCA was identified within the Phase One Study Area:

| Location | Potentially Contaminating Activity | Information Source | Rationale for Potential Contribution of the PCA to an APEC |
|---|---|---|---|
| **Phase One Study Area** | **28. Gasoline and Associated Products Storage in Fixed Tanks** – Current and/or former presence of a fuel oil AST with a spill of approximately 30 L of fuel oil at 136 Burke Street (approximately 150 m east of the Site). | ERIS Report | Given the distance and amount of infrastructure between the Site and the AST and that it was located hydraulically down-gradient with respect to the Site, it is not considered to be a PCA that will result in an APEC on the Site. |
| | **30 Importation of Fill Material of Unknown Quality and 28. Gasoline and Associated Products Storage in Fixed Tanks** – A construction yard which likely has or formerly had fuel ASTs and several piles of fill material is located approximately 160 m southeast of the Site. | ERIS Report, Aerial Photographs and Site Observations | Given that the fill material was located more than 160 m from the Site and hydraulically down-gradient with respect to the Site, it is not considered to be a PCA that will result in an APEC on the Site. |

In addition, an area of metals debris is located on the northwest portion of the treed area and small amount of metal, wood, plastic, paper and concrete debris is scattered in the treed area on the Site. Foundation elements and asphalt pavement were noted in the area of the former farm buildings. The presence of this debris and former building elements is not considered to be an on-Site PCA; however, it is considered to be a property management issue and should be removed from the Site prior to development.

## 6.3 Areas of Potential Environmental Concern

Based on the information obtained as part of this Phase One ESA, there were no PCAs on the Site and none of the off-Site PCAs identified were considered to represent an APEC on the Phase One Property.

## 6.4 Conceptual Site Model

A Conceptual Site Model of the Phase One Study Area (as required by O.Reg. 153/04) is presented in a series of Figures 1 to 8 (Figure 1: Key Plan, Figure 2: Site Plan, Figure 2B: Areas of Potential Environmental Concern, Figure 3: Topographic Map and Areas of Natural Significance, Figure 4: Surficial Geology, Figure 5: Bedrock Geology, Figure 6: Drift Thickness, Figure 7: Soil Survey Complex (Ontario Soils), and Figure 8: Physiography Map).

The combined set of figures shows:

- Existing buildings and structures
- Water bodies and Areas of Natural Significance (if present) located in the Phase One Study Area
- Drinking water wells on the Phase One Property

- Roads (including names) within the Phase One Study Area
- Uses of properties adjacent to the Phase One Property
- Location of identified PCAs in the Phase One Study Area (including any storage tanks)

The following describes the Phase One ESA Conceptual Site Model (CSM) for the Site based on the information obtained and reviewed as part of this Phase One ESA:

- At the time of the Site visit, conducted on May 11, 2020, Site consisted of a 17.6 acre parcel of undeveloped agricultural land with a treed area on the northeast portion of the Site.
- According to the ERIS report, there are no water wells present on the Site. No water wells were observed on the Site at the time of the Site visit;
- The Site is bounded to the south by Ottawa Street West.
- At the time of the Site visit, there appeared to be a pile wood waste on the eastern portion of the treed area. It is possible that some fill material is present within this pile but it appeared to mostly contain wood waste. Furthermore, the Site Representative indicated that there is no fill material on the Site.
- The nearest permanent watercourse is the Jock River which is located approximately 280 m east of the Site.
- No areas of natural and scientific interest (ANSI) are known to be located on the Site or on the Phase One Study Area. Based on available information, the Site is not considered to be an environmentally sensitive area. However, Species at Risk have been identified by the MNRF to be potentially present on the Site or on the nearby lands.
- At the time of the Phase One ESA, the surrounding properties within the Phase One Study Area were comprised of commercial, residential and community land uses.
- The roads were located within the Phase One Study Area at the time of the Site visit included Ottawa Street West, Queen Charlotte Street, Burke Street and Fortune Street.
- The geological mapping indicates that the subsurface conditions at the Site are Offshore Marine Deposits (clay, silty clay and silt) with the exception of the of the southeast corner of the Site where till, plain with local relief <5m is expected. The overburden soil encountered on the southeast portion of the Site during the hydrogeological investigation consisted of topsoil over silty sand to sandy silt overlying a sandy silt glacial till.
- Bedrock at the Site is of the Oxford Formation (dolostone, minor shale and sandstone).
- Local groundwater is anticipated to flow southeast towards the Jock River.
- There are no on-Site PCA for the Phase One Property; however, two off-Site PCAs were identified (presented in Section 6.2 of this report) but are not considered to have resulted in an APEC on the Phase One Property.

### 6.4.1 Uncertainty and Absence of Information

There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One Conceptual Site Model or the findings of this Phase One ESA.

# 7.0 CONCLUSIONS

Given that no APECs were identified on the Site during the Phase One ESA, a Phase Two ESA is not recommended to be carried out at the Site at this time.

## 7.1 Record of Site Condition Based on Phase One Environmental Site Assessment Alone

Given that the Phase One Property has been used for agricultural and/or residential purposes (farm related structures associated with adjacent farm house) and is to be redeveloped with residential buildings, there will be no change in the land use from less sensitive to more sensitive. As such, there is no mandatory requirement for a RSC to be filed for the Site.

# 8.0 REFERENCES

The following documents and/or data were cited in this report:


| Source | Date |
|---|---|
| Ontario Regulation 153/04 as amended | October 31, 2011 |
| Bélanger, J. R. 2008 Urban Geology of the National Capital Area, Geological Survey of Canada, Open File 5311, 1 DVD. | 2008 |
| Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 219 | 2007 |
| 2010 Bélanger, J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open File D3256, 2001 | 2010 |
| "2010 Hydrogeological Investigation", *Hydrogeological Investigation, Proposed Mattamy Homes Development, Richmond (Ottawa), Ontario.* Prepared for Mattamy Homes by Golder. | July 16, 2010 |
| Aerial Photographs – National Air Photo Library (Natural Resources Canada) | 1946, 1959, 1968 and 1985 |
| Aerial Photograph Images – geoOttawa (http://maps.ottawa.ca/geoOttawa/) | 1976, 1991, 1999, 2002, 2005, 2011, 2014 and 2017 |
| ERIS Report | May 7, 2020 |
| Ontario Ministry of the Environment, Conservation and Parks | May 7, 2020 |
| Technical Standards and Safety Authority | May 5, 2020 |

# 9.0 LIMITATIONS AND USE OF REPORT

This report (the “Report”) was prepared for the exclusive use by Caivan (Richmond North) Limited for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, Golder Associates Ltd. (“Golder”) has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or incomplete or inaccurate historical information from the various agencies. Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third party. If a third party requires reliance on this Report, prior written authorization from Golder is required. Golder disclaims any responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The scope and the period of Golder’s assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Except as noted herein, the work was conducted in accordance with the scope of work and terms and conditions of Golder’s proposal. Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the Site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the assessment Golder was retained to undertake with respect to the Site and additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder’s opinions are based upon information that existed at the time of the writing of the Report. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time the Site was visited, and cannot be used to assess the effect of any subsequent changes in any laws, regulations, the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. If a service is not expressly indicated, do not assume it has been provided.

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices.

# 10.0 STATEMENT OF COMPLETION

The undersigned confirm that this Phase One Environmental Site Assessment was conducted in a manner consistent with the expected standard of care for the consulting industry in Ontario and meets the requirements for Phase One ESAs as set out in O.Reg. 153/04, however this report has not been completed with the intent of filing a Record of Site Condition.

## 11.0 CLOSURE

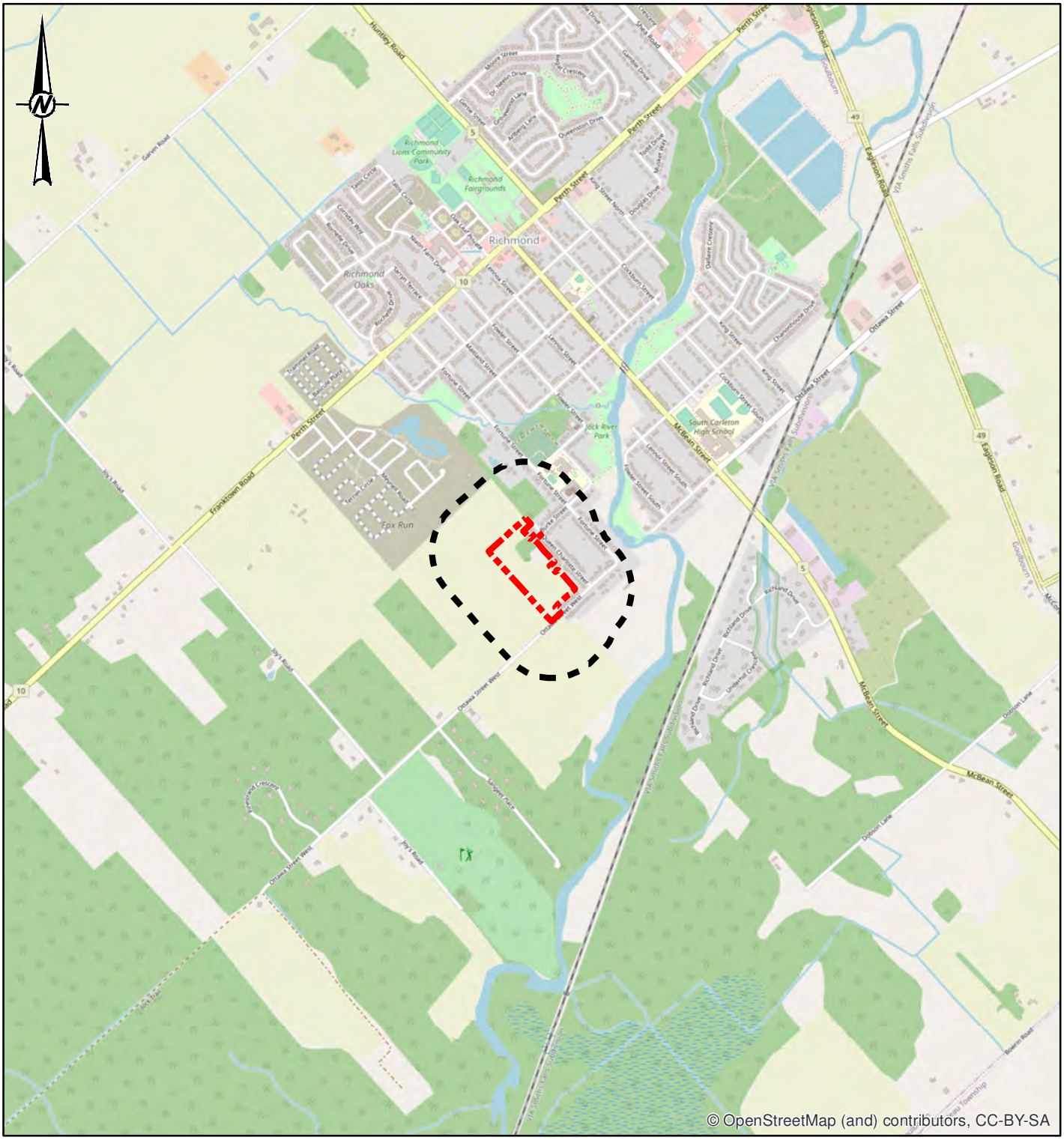
We trust that the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

**Golder Associates Ltd.**

Alyssa Whiteduck, P.Eng.
*Environmental Engineer*

Keith Holmes, M.Sc., P.Geo
*Geoscientist/Associate*

AW/KPH/ca
https://golderassociates.sharepoint.com/sites/128209/project files/6 deliverables/phase i esa/phase one esa/20144864-r-rev 0-3605 ottawa street phase one esa.docx




**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA

0 250 500 1,000

1:25,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CAIVAN (RICHMOND NORTH) LIMITED

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE

**KEY PLAN**

CONSULTANT

GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
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| 20144864 | 0001 | 0 | 1 |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm 0

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**LEGEND**

- ROADWAY
- PHASE ONE SITE
- PHASE ONE STUDY AREA

| Potentially Contaminating Activities (PCAs) | | |
|---|---|---|
| **Location** | **Detail** | **PCA #** |
| 1 | **Gasoline and Associated Products Storage in Fixed Tanks** – Current and/or former presence of a fuel oil AST with a spill of approximately 30 L of fuel oil at 136 Burke Street (approximately 150 m east of the Site). | 28 |
| 2 | **Importation of Fill Material of Unknown Quality and Gasoline and Associated Products Storage in Fixed Tanks –** A construction yard which likely has or formerly had fuel ASTs and several piles of fill material is located approximately 160 m southeast of the Site. | 30, 28 |

**NOTE(S)**
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**
1. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83,
COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160
1:4,000 METRES

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE
**SITE PLAN**

CONSULTANT
GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
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| 20144864 | 0001 | 0 | **2** |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM:
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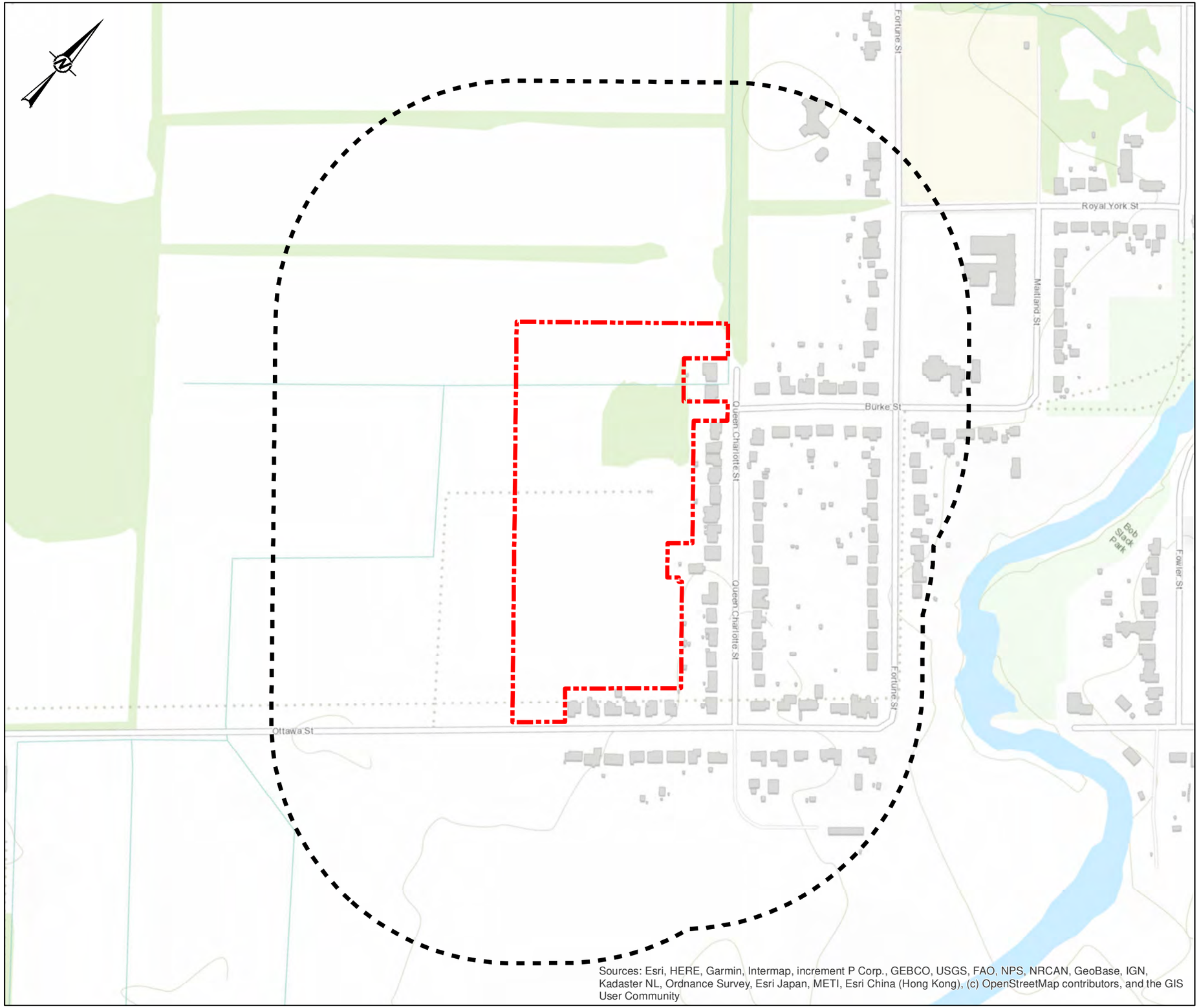


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160

1:4,000 METRES

CLIENT

CAIVAN (RICHMOND NORTH) LIMITED

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE

**TOPOGRAPHIC MAP AND AREAS OF NATURAL SIGNIFICANCE**

CONSULTANT

GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

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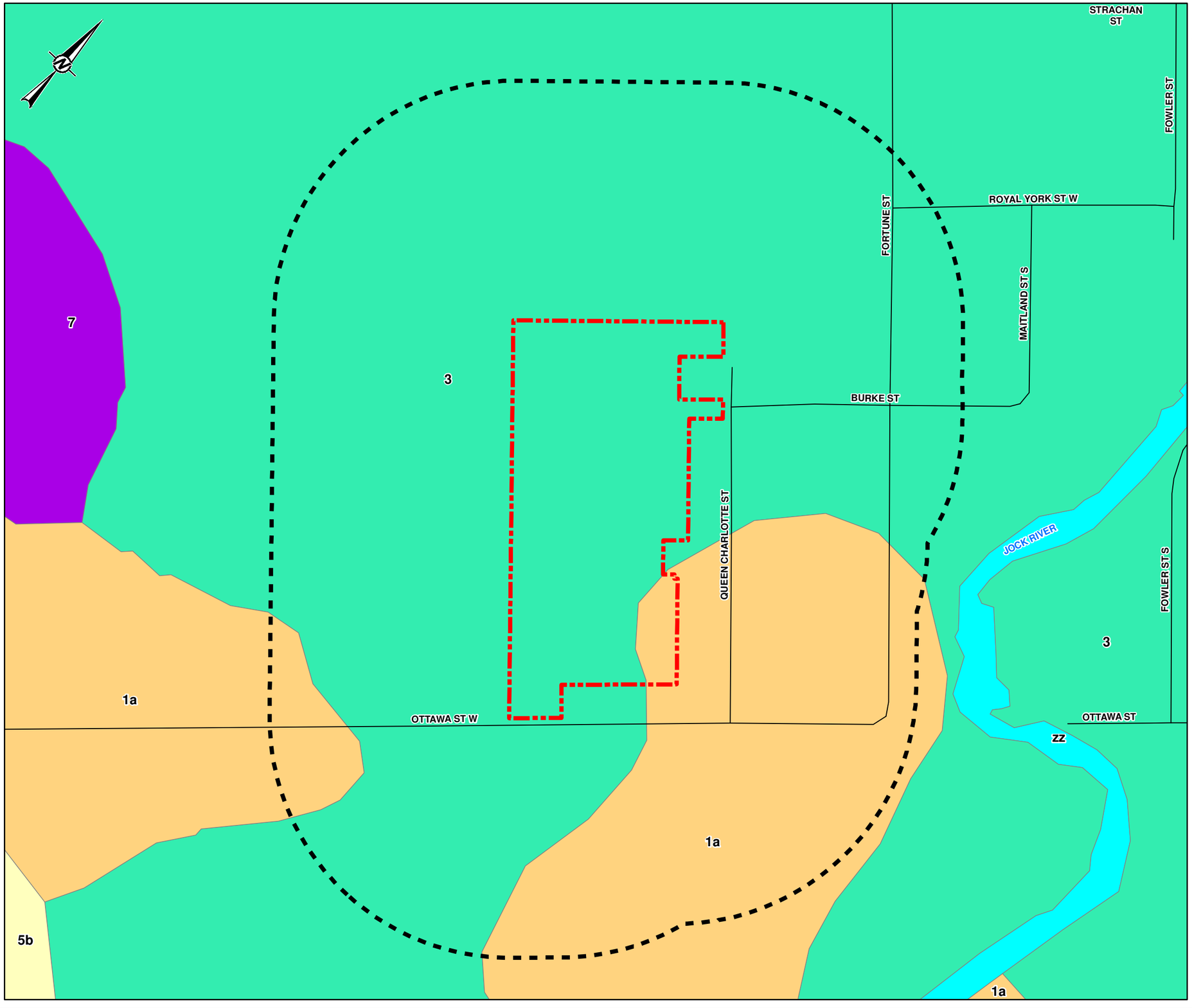


**LEGEND**

- ROADWAY
- PHASE ONE SITE
- PHASE ONE STUDY AREA
- 7. ORGANIC DEPOSITS: MUCK & PEAT
- 5b: NEARSHORE SEDIMENTS: FINE TO MEDIUM GRAINED SAND
- 3. OFFSHORE MARINE DEPOSITS: CLAY, SILTY CLAY & SILT
- 1a. TILL, PLAIN WITH LOCAL RELIEF <5 m
- zz. WATERBODY

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. BÉLANGER, J. R. 2008 URBAN GEOLOGY OF THE NATIONAL CAPITAL AREA, GEOLOGICAL SURVEY OF CANADA, OPEN FILE 5311, 1 DVD.
2. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160
1:4,000 METRES

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE
**SURFICIAL GEOLOGY**

CONSULTANT
GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

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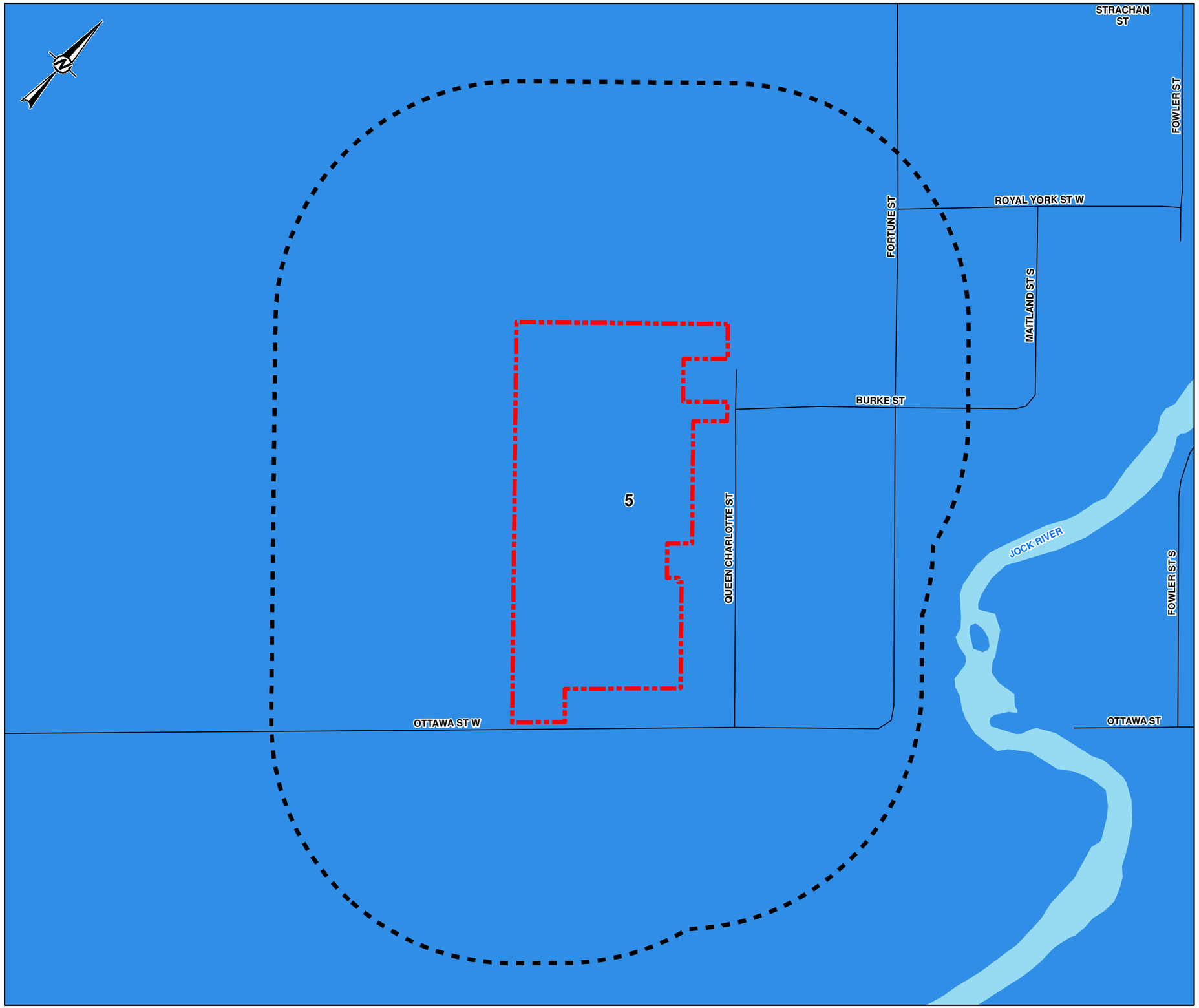


**LEGEND**

- ROADWAY
- PHASE ONE SITE
- PHASE ONE STUDY AREA
- WATERBODY
- 5: OXFORD FORMATION - DOLOSTONE, MINOR SHALE AND SANDSTONE

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. ARMSTRONG, D.K. AND DODGE, J.E.P. 2007. PALEOZOIC GEOLOGY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 219
2. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83,
COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160
1:4,000 METRES

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE
**BEDROCK GEOLOGY**

CONSULTANT
GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
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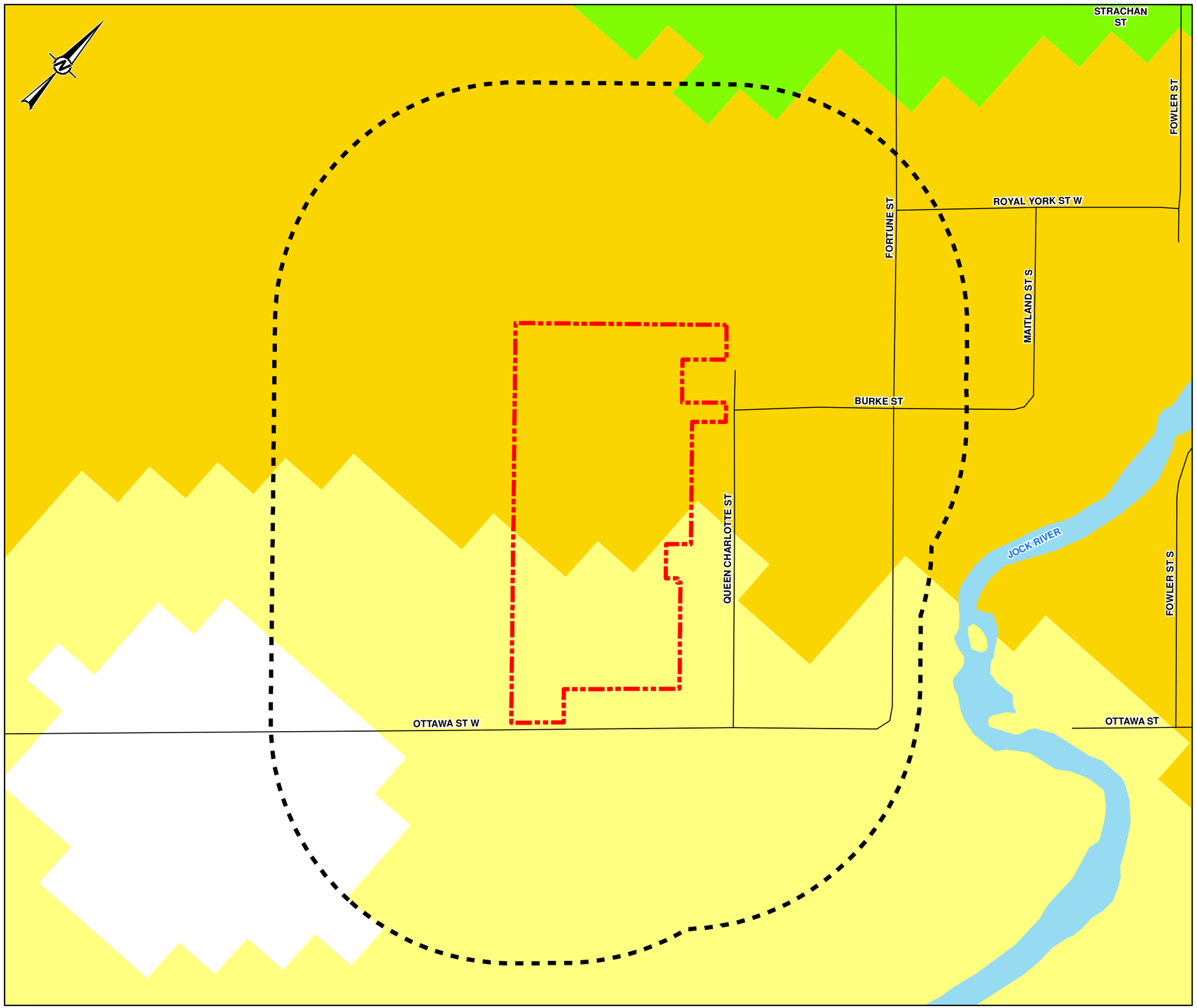


**LEGEND**

- ROADWAY
- PHASE ONE SITE
- PHASE ONE STUDY AREA
- WATERBODY

**TREND IN DEPTH TO BEDROCK (METRES)**

- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. 2010 BÉLANGER, J. R., URBAN GEOLOGY OF THE NATIONAL CAPITAL AREA, GEOLOGICAL SURVEY OF CANADA, OPEN FILE D3256, 2001
2. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160
1:4,000 METRES

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE
**DRIFT THICKNESS**

CONSULTANT
GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

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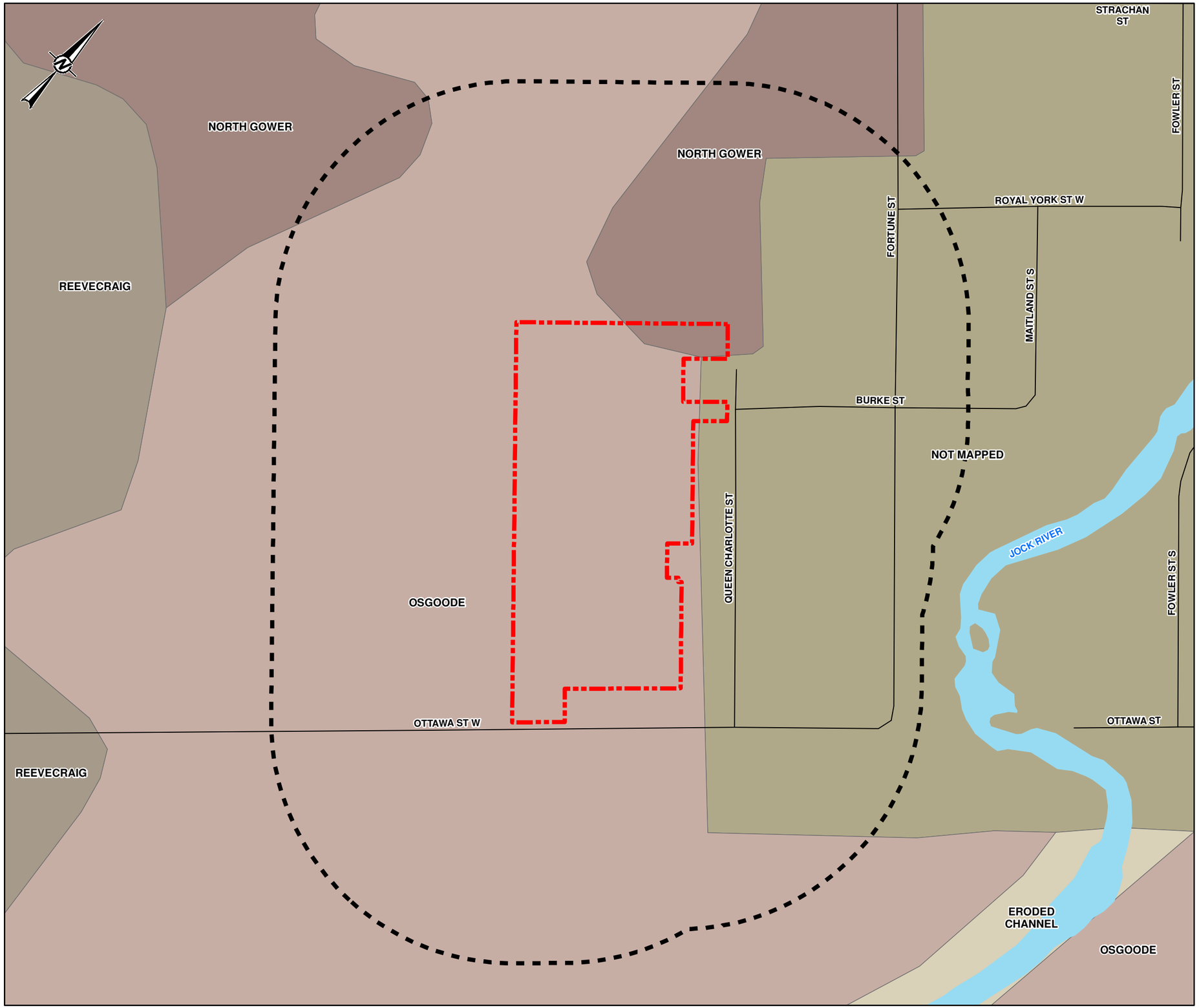


**LEGEND**

- ROADWAY
- WATERBODY
- PHASE ONE SITE
- PHASE ONE STUDY AREA
- ERODED CHANNEL
- NORTH GOWER
- NOT MAPPED
- OSGOODE
- REEVECRAIG

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160
1:4,000 METRES

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE
**SOIL SURVEY COMPLEX (ONTARIO SOILS)**

CONSULTANT
GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

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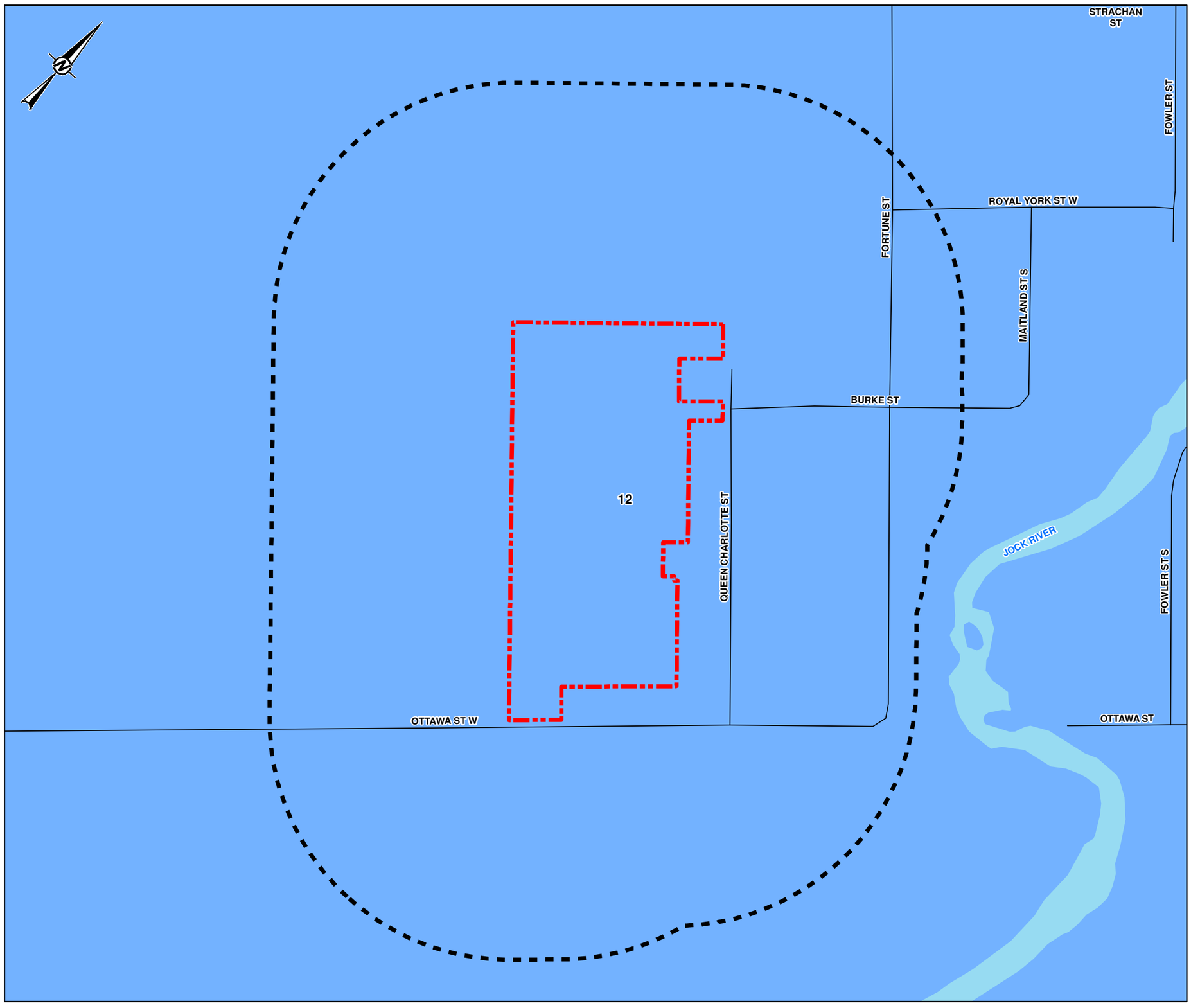


**LEGEND**

- ROADWAY
- PHASE ONE SITE
- PHASE ONE STUDY AREA
- WATERBODY
- 12: CLAY PLAINS

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. CHAPMAN, L.J. AND PUTNAM, D.F. 2007. PHYSIOGRAPHY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE-DATA 228
2. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28

0 40 80 160
1:4,000 METRES

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE
**PHYSIOGRAPHY MAP**

CONSULTANT
GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
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| 20144864 | 0001 | 0 | 8 |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm 0

Path: N:\Active\Spatial_IM\Caivan\RichmondProposedSWMP-99_PRO\20144864_Caivan_Enviro\0001_PhaseOne_ESA_Lat9\Parcel\20144864-0001-HS-0008.mxd

**APPENDIX A**

# Regulatory Responses

**Ministry of the Environment, Conservation and Parks**

Ottawa District Office
2430 Don Reid Drive, Suite 103
Ottawa ON K1H 1E1
Tel.: 613-521-3450 or 1-800-860-2195
Fax: 613-521-5437

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

Bureau du district d'Ottawa
2430, promenade Don Reid, Unité 103
Ottawa ON K1H 1E1
Tél.: 613-521-3450 ou 1-800-860-2195
Téléc.: 613-521-5437

Ontario

OTT File No: **25**

# INDEX REVIEW REPORT
# COMMERCIAL/INDUSTRIAL/AGRICULTURAL

| | | |
|---|---|---|
| Attention: | **Alyssa Whiteduck** | Your File: |
| | **Golder Associates** | Date Received: May 5, 2020 |

Thank you for your inquiry requesting a search of records from the Ministry of the Environment, Conservation and Parks (ministry). The ministry encourages you to use the available on-line resources to access publically-available information which may assist with your inquiry.

## PROPERTY OWNER AND LOCATION

Location: Municipality: **Ottawa**

Address: **6305 Ottawa Street West**
Lot Concession Township

## INDEX OF NAMES FOR ORDERS

We have searched the *Ottawa* District Index Record of Active Orders under the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and the Pesticides Act (PA) issued to: **6305 Ottawa Street West** and the following information has been found:

☒ No Active Orders are outstanding

**Please Note:** *For information related to any ministry Orders issued to the property in question,* ***please request this information from the property owner.*** *If you would like further information regarding a specific Order issued, please contact the Ottawa District Office.*

Date of Search: May 7, 2020

## RECORD OF SITE CONDITION

For information on **Records of Site Condition** filed on the Environmental Site Registry since October 1, 2004, please use the following links:
For records of site condition filed between October 1, 2004 and June 30, 2011 https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch, and for records of site condition filed since July 1, 2011 https://www.ontario.ca/environment-and-energy/records-site-condition

# INDEX REVIEW REPORT
# COMMERCIAL/INDUSTRIAL/AGRICULTURAL

**INDEX OF NAMES FOR APPROVALS ISSUED SINCE 1999**

A search of the Index Record of names of all persons to whom approvals have been issued, maintained by the Director, Approvals Branch and the Regional Director, *Eastern Region*, and the District Manager, *Ottawa District*, under Section 19 EPA and Section 13 OWRA and the following information has been provided :

| Type | Number | Issued To | Issue Date |
|---|---|---|---|
| Section 9 EPA *(Air)* | | | |
| Section 39 EPA *(Waste Management)* | | | |
| Section 52 OWRA *(Water)* | | | |
| Section 53 OWRA *(Municipal/Private/ Industrial Sewage)* | | | |
| Other | | | |

The **ministry's Access Environment** is an on-line, map-based search tool designed to allow the public, quick and easy access to the ministry approvals and registration information from December 1999 onward. Access Environment currently displays Environmental Compliance Approvals (ECA), Renewable Energy Approvals (REA) and registrations on the Environmental Activity and Sector Registry (EASR). ECAs include all Certificates of Approval (CofAs) previously issued under the Environmental Protection Act (EPA) and approvals previously issued under s.53 of the Ontario Water Resources Act (OWRA). You can access this information from the ministry website or at the following link:
www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en

Copies of **ECAs issued before January 1, 2000** can be obtained by submitting a Request for a Copy of an Environmental Compliance Approval

**Please Note:**

1) The information provided above is based solely on the address(es) and name(s) of the present and past owners provided by you.
2) The Index Record of Names to whom approvals have been issued, maintained by the Regional Director and District Manager, has been searched back to 1999.
3) A search of our records does **NOT** indicate whether there are:
- other uses for which an approval may have been required, **nor**
- other uses on the property or in the vicinity that may affect the suitability of the property, for the use proposed to be made of it.
If a comprehensive knowledge of the property and the nearby lands and their environmental condition is required, you must examine them and other relevant records yourself, with the aid of a qualified person, if needed.

☒ No Approvals have been issued.

Date of Search: May 7, 2020

**INDEX REVIEW REPORT**
**COMMERCIAL/INDUSTRIAL/AGRICULTURAL**

Additional site information related to the **location of landfill sites** in the province can be found at the following link:

http://www.ontario.ca/environment-and-energy/small-landfill-sites

http://www.ontario.ca/environment-and-energy/map-large-landfill-sites

The **ministry's Hazardous Waste Information Network (HWIN**) can also be accessed to search for information on generators, carriers, and receivers of subject waste in the province at the following link: www.hwin.ca

The **ministry's Environmental Compliance Reports** provide information about contaminant discharges to water and emissions to air that exceed limits found in legislation, environmental approvals, orders and/or policies/guidelines and can be accessed at the following link: http://www.ontario.ca/environment-and-energy/environmental-compliance-reports

Information on **Environmental Penalties**, which are monetary penalties that can be imposed by the ministry for some industrial spills, can be assessed at the following link: https://www.ontario.ca/search/search-results?query=environmental%20penalties

Additional ministry information can be accessed through the **Government of Ontario's Open Data Catalogue**: http://www.ontario.ca/government/open-data-ontario

The ministry also encourages you to consider best practices and standards of care used within the legal community and through your associations as a guide to obtaining information related to specific property for any legal purpose.

We trust this information will help meet your requirements quickly and effectively.

Please advise your colleagues that responses to requests for searches always take some time. As a result, the Ministry of the Environment, Conservation and Parks may not be able to meet deadlines imposed by other parties on real estate and other transactions.

Thank you for your inquiry.


Signature: *Jéhanne Hurlbut*
Contact Name: Jéhanne Hurlbut
Title: District Administrative Assistant

Address: Ministry of the Environment, Conservation and Parks
2430 Don Reid Drive, Unit 103
Ottawa, ON K1H 1E1

Phone: (613) 521-3450 Ext 221


Date: May 7, 2020

E&OE

***Please Note:*** *If you would like to receive an email with all the environmental links above, please contact me at Jehanne.hurlbut@ontario.ca and I will be pleased to send them to you.*

**From:** Public Information Services <publicinformationservices@tssa.org>
**Sent:** May 6, 2020 8:04 AM
**To:** Whiteduck, Alyssa
**Subject:** RE: TSSA Search - Ottawa Street West, Richmond, Ontario

EXTERNAL EMAIL

**No Records Found**

Thank you for your request for confirmation of public information.

- We confirm that there are **no fuel storage tanks records** in our database at the subject address(es).

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

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

Kind regards,

**Connie Hill | Public Information Agent**
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3383 | Fax: +1-416-231-6183 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

--

**From:** Whiteduck, Alyssa <Alyssa_Whiteduck@golder.com>
**Sent:** May 5, 2020 3:37 PM
**To:** Public Information Services <publicinformationservices@tssa.org>
**Subject:** TSSA Search - Ottawa Street West, Richmond, Ontario



Hello,

Could you please perform a TSSA database search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the following properties:

- 6305 Ottawa Street West, Richmond, ON
- 6431 Ottawa Street West, Richmond, ON
- 6295 Ottawa Street West, Richmond, ON
- 105 Queen Charlotte Street, Richmond, ON
- 101 Queen Charlotte Street, Richmond, ON
- 99 Queen Charlotte Street, Richmond, ON
- 117 Queen Charlotte Street, Richmond, ON
- 87 Queen Charlotte Street, Richmond, ON
- 127 Burke Street, Richmond, ON
- 77 Maitland Street South, Richmond, ON

Please let me know if you have any questions.

Kindest Regards,

**Alyssa Whiteduck (P.Eng.)**
*Environmental Engineer*

GOLDER

Golder Associates Ltd.
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
**T:** +1 613 592 9600 | **D:** +1 (613) 592-4006 x4299 | **C:** +1 613 290 8736 | **golder.com**
LinkedIn | Instagram | Facebook | Twitter

**Work Safe, Home Safe**

**APPENDIX B**

# ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *20144864 - 6305 Ottawa Street*<br>*6305 Ottawa Street West*<br>*Richmond ON K0A 2Z0* |
| **Project No:** | *20144864* |
| **Report Type:** | *Quote - Custom-Build Your Own Report* |
| **Order No:** | *20200505026* |
| **Requested by:** | *Golder Associates Ltd.* |
| **Date Completed:** | *May 7, 2020* |

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

# Table of Contents

# Executive Summary

***Property Information:***

| | |
|---|---|
| **Project Property:** | *20144864 - 6305 Ottawa Street*<br>*6305 Ottawa Street West  Richmond ON K0A 2Z0* |
| **Project No:** | *20144864* |

***Order Information:***

| | |
|---|---|
| **Order No:** | *20200505026* |
| **Date Requested:** | *May 5, 2020* |
| **Requested by:** | *Golder Associates Ltd.* |
| **Report Type:** | *Quote - Custom-Build Your Own Report* |

***Historical/Products:***

# Executive Summary: Report Summary

| Database | Name | Searched | Project Property | Boundary to 0.25km | Total |
|---|---|---|---|---|---|
| AAGR | Abandoned Aggregate Inventory | Y | 0 | 0 | 0 |
| AGR | Aggregate Inventory | Y | 0 | 0 | 0 |
| AMIS | Abandoned Mine Information System | Y | 0 | 0 | 0 |
| ANDR | Anderson's Waste Disposal Sites | Y | 0 | 0 | 0 |
| AST | Aboveground Storage Tanks | Y | 0 | 0 | 0 |
| AUWR | Automobile Wrecking & Supplies | Y | 0 | 0 | 0 |
| BORE | Borehole | Y | 0 | 5 | 5 |
| CA | Certificates of Approval | Y | 0 | 3 | 3 |
| CDRY | Dry Cleaning Facilities | Y | 0 | 0 | 0 |
| CFOT | Commercial Fuel Oil Tanks | Y | 0 | 0 | 0 |
| CHEM | Chemical Register | Y | 0 | 0 | 0 |
| CNG | Compressed Natural Gas Stations | Y | 0 | 0 | 0 |
| COAL | Inventory of Coal Gasification Plants and Coal Tar Sites | Y | 0 | 0 | 0 |
| CONV | Compliance and Convictions | Y | 0 | 0 | 0 |
| CPU | Certificates of Property Use | Y | 0 | 0 | 0 |
| DRL | Drill Hole Database | Y | 0 | 0 | 0 |
| EASR | Environmental Activity and Sector Registry | Y | 0 | 0 | 0 |
| EBR | Environmental Registry | Y | 0 | 0 | 0 |
| ECA | Environmental Compliance Approval | Y | 0 | 0 | 0 |
| EEM | Environmental Effects Monitoring | Y | 0 | 0 | 0 |
| EHS | ERIS Historical Searches | Y | 2 | 0 | 2 |
| EIIS | Environmental Issues Inventory System | Y | 0 | 0 | 0 |
| EMHE | Emergency Management Historical Event | Y | 0 | 0 | 0 |
| EPAR | Environmental Penalty Annual Report | Y | 0 | 0 | 0 |
| EXP | List of Expired Fuels Safety Facilities | Y | 0 | 0 | 0 |
| FCON | Federal Convictions | Y | 0 | 0 | 0 |
| FCS | Contaminated Sites on Federal Land | Y | 0 | 0 | 0 |
| FOFT | Fisheries & Oceans Fuel Tanks | Y | 0 | 0 | 0 |
| FRST | Federal Identification Registry for Storage Tank Systems (FIRSTS) | Y | 0 | 0 | 0 |
| FST | Fuel Storage Tank | Y | 0 | 0 | 0 |
| FSTH | Fuel Storage Tank - Historic | Y | 0 | 0 | 0 |
| GEN | Ontario Regulation 347 Waste Generators Summary | Y | 0 | 12 | 12 |
| GHG | Greenhouse Gas Emissions from Large Facilities | Y | 0 | 0 | 0 |
| HINC | TSSA Historic Incidents | Y | 0 | 1 | 1 |
| IAFT | Indian & Northern Affairs Fuel Tanks | Y | 0 | 0 | 0 |
| INC | Fuel Oil Spills and Leaks | Y | 0 | 0 | 0 |

| Database | Name | Searched | Project Property | Boundary to 0.25km | Total |
|---|---|---|---|---|---|
| LIMO | Landfill Inventory Management Ontario | Y | 0 | 0 | 0 |
| MINE | Canadian Mine Locations | Y | 0 | 0 | 0 |
| MNR | Mineral Occurrences | Y | 0 | 0 | 0 |
| NATE | National Analysis of Trends in Emergencies System (NATES) | Y | 0 | 0 | 0 |
| NCPL | Non-Compliance Reports | Y | 0 | 0 | 0 |
| NDFT | National Defense & Canadian Forces Fuel Tanks | Y | 0 | 0 | 0 |
| NDSP | National Defense & Canadian Forces Spills | Y | 0 | 0 | 0 |
| NDWD | National Defence & Canadian Forces Waste Disposal Sites | Y | 0 | 0 | 0 |
| NEBI | National Energy Board Pipeline Incidents | Y | 0 | 0 | 0 |
| NEBP | National Energy Board Wells | Y | 0 | 0 | 0 |
| NEES | National Environmental Emergencies System (NEES) | Y | 0 | 0 | 0 |
| NPCB | National PCB Inventory | Y | 0 | 0 | 0 |
| NPRI | National Pollutant Release Inventory | Y | 0 | 0 | 0 |
| OGWE | Oil and Gas Wells | Y | 0 | 0 | 0 |
| OOGW | Ontario Oil and Gas Wells | Y | 0 | 0 | 0 |
| OPCB | Inventory of PCB Storage Sites | Y | 0 | 0 | 0 |
| ORD | Orders | Y | 0 | 0 | 0 |
| PAP | Canadian Pulp and Paper | Y | 0 | 0 | 0 |
| PCFT | Parks Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PES | Pesticide Register | Y | 0 | 0 | 0 |
| PINC | Pipeline Incidents | Y | 0 | 0 | 0 |
| PRT | Private and Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PTTW | Permit to Take Water | Y | 0 | 0 | 0 |
| REC | Ontario Regulation 347 Waste Receivers Summary | Y | 0 | 0 | 0 |
| RSC | Record of Site Condition | Y | 0 | 0 | 0 |
| RST | Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| SCT | Scott's Manufacturing Directory | Y | 0 | 0 | 0 |
| SPL | Ontario Spills | Y | 0 | 1 | 1 |
| SRDS | Wastewater Discharger Registration Database | Y | 0 | 0 | 0 |
| TANK | Anderson's Storage Tanks | Y | 0 | 0 | 0 |
| TCFT | Transport Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| VAR | Variances for Abandonment of Underground Storage Tanks | Y | 0 | 0 | 0 |
| WDS | Waste Disposal Sites - MOE CA Inventory | Y | 0 | 0 | 0 |
| WDSH | Waste Disposal Sites - MOE 1991 Historical Approval Inventory | Y | 0 | 0 | 0 |
| WWIS | Water Well Information System | Y | 0 | 67 | 67 |
| | **Total:** | | 2 | 89 | 91 |

# Executive Summary: Site Report Summary - Project Property

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|---|---|---|---|---|---|---|
| EHS | 1 | | 6305 Ottawa Street<br>Richmond ON K0A 2Z0 | SE/0.0 | 0.00 | 24 |
| EHS | 20 | | Munster<br>Munster ON | SSE/0.0 | 0.00 | 24 |

# Executive Summary: Site Report Summary - Surrounding Properties

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| BORE | 14 | | ON | NNE/69.2 | -1.00 | 17 |
| BORE | 29 | | ON | SE/34.9 | 0.00 | 18 |
| BORE | 39 | | ON | NE/156.8 | -1.00 | 19 |
| BORE | 45 | | ON | S/101.2 | 0.00 | 20 |
| BORE | 51 | | ON | E/173.9 | -1.00 | 21 |
| CA | 52 | ALAN MATTHEWS | FORTUNE ST/BURKE ST.(RICHMOND)<br>GOULBOURN TWP. ON | NE/180.8 | -1.00 | 23 |
| CA | 71 | BRIAN ARBUCKLE | FORTUNE ST/YORK ST.<br>GOULBOURN TWP. ON | N/219.3 | -1.00 | 23 |
| CA | 71 | MARK RABB | FORTUNE ST./YORK ST.<br>GOULBOURN TWP. ON | N/219.3 | -1.00 | 23 |
| GEN | 66 | RABB CONSTRUCTION LTD. | CORNER OF FORTUNE STREET AND OTTAWA STREET<br>GOULBOURN TWP. ON | E/237.8 | -1.69 | 24 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON | E/233.5 | -1.30 | 24 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON | E/233.5 | -1.30 | 25 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON | E/233.5 | -1.30 | 25 |

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON | E/233.5 | -1.30 | 25 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON | E/233.5 | -1.30 | 25 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON | E/233.5 | -1.30 | 26 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON K0A 2Z0 | E/233.5 | -1.30 | 26 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON K0A 2Z0 | E/233.5 | -1.30 | 26 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St.<br>Richmond ON K0A 2Z0 | E/233.5 | -1.30 | 26 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St. W. (behind)<br>Richmond ON K0A 2Z0 | E/233.5 | -1.30 | 27 |
| GEN | 67 | Rabb Construction Ltd. | 6250 Ottawa St. W. (behind)<br>Richmond ON K0A 2Z0 | E/233.5 | -1.30 | 27 |
| HINC | 32 | | 136 BURKE STREET WEST<br>RICHMOND ON | NE/156.7 | -1.00 | 27 |
| SPL | 32 | | 136 Burke Street West, Richmond<br>Ottawa ON | NE/156.7 | -1.00 | 28 |
| WWIS | 2 | | ON<br>***Well ID:*** 1532446 | NNE/46.8 | -1.00 | 28 |
| WWIS | 3 | | ON<br>***Well ID:*** 1532447 | NE/62.4 | -1.00 | 31 |
| WWIS | 4 | | lot 22 con 3<br>RICHMOND ON | NNE/52.9 | -1.00 | 35 |

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| | | | ***Well ID:*** 1535532 | | | |
| WWIS | 5 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509980 | ENE/82.6 | -1.00 | 41 |
| WWIS | 6 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509983 | NE/80.1 | -1.00 | 43 |
| WWIS | 7 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509979 | ENE/83.4 | -1.00 | 45 |
| WWIS | 8 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509976 | ENE/88.8 | -1.00 | 47 |
| WWIS | 9 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509978 | ENE/79.7 | -1.00 | 50 |
| WWIS | 10 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509731 | E/73.4 | -1.00 | 52 |
| WWIS | 11 | | lot 22 con 3<br>ON<br>***Well ID:*** 1518712 | ENE/103.6 | -1.00 | 54 |
| WWIS | 11 | | lot 22 con 3<br>ON<br>***Well ID:*** 1518776 | ENE/103.6 | -1.00 | 57 |
| WWIS | 11 | | lot 22 con 3<br>ON<br>***Well ID:*** 1518777 | ENE/103.6 | -1.00 | 60 |
| WWIS | 11 | | lot 22 con 3<br>ON<br>***Well ID:*** 1519025 | ENE/103.6 | -1.00 | 63 |
| WWIS | 12 | | lot 22 con 3<br>RICHMOND ON<br>***Well ID:*** 1535184 | SE/23.8 | 0.00 | 65 |
| WWIS | 13 | | ON<br>***Well ID:*** 1510852 | NNE/69.2 | -1.00 | 72 |
| WWIS | 15 | | lot 23<br>ON | ESE/18.5 | 0.00 | 74 |

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| | | | ***Well ID:*** 1532281 | | | |
| WWIS | 16 | | ON<br>***Well ID:*** 1515285 | NNE/27.5 | -1.00 | 78 |
| WWIS | 17 | | ON<br>***Well ID:*** 1510076 | NE/87.9 | -1.00 | 81 |
| WWIS | 18 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509982 | E/82.5 | -1.00 | 84 |
| WWIS | 19 | | lot 22 con 3<br>RICHMOND ON<br>***Well ID:*** 1534958 | SE/13.9 | 0.00 | 86 |
| WWIS | 21 | | lot 22 con 3<br>ON<br>***Well ID:*** 1534653 | ESE/37.3 | 0.00 | 93 |
| WWIS | 22 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509723 | E/87.5 | -1.00 | 99 |
| WWIS | 23 | | ON<br>***Well ID:*** 1515286 | NNE/47.6 | -1.00 | 101 |
| WWIS | 24 | | lot 25 con 3<br>RICHMOND ON<br>***Well ID:*** 7219590 | NNE/81.8 | -1.00 | 104 |
| WWIS | 25 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509727 | E/81.7 | -1.00 | 112 |
| WWIS | 26 | | lot 21 con 2<br>RICHMOND ON<br>***Well ID:*** 7112986 | SE/18.6 | 0.00 | 114 |
| WWIS | 27 | | lot 22 con 3<br>RICHMOND ON<br>***Well ID:*** 7040884 | ESE/45.3 | 0.00 | 120 |
| WWIS | 28 | | ON<br>***Well ID:*** 1509277 | E/80.3 | -1.00 | 126 |
| WWIS | 30 | | lot 22 con 3<br>ON | E/111.8 | -1.00 | 129 |

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| | | | ***Well ID:*** 1518709 | | | |
| WWIS | 30 | | lot 23 con 3<br>ON<br>***Well ID:*** 1519027 | E/111.8 | -1.00 | 131 |
| WWIS | 31 | | lot 22 con 3<br>ON<br>***Well ID:*** 1517855 | ESE/79.0 | -0.31 | 134 |
| WWIS | 31 | | lot 22 con 3<br>ON<br>***Well ID:*** 1518067 | ESE/79.0 | -0.31 | 137 |
| WWIS | 31 | | lot 22 con 3<br>ON<br>***Well ID:*** 1518068 | ESE/79.0 | -0.31 | 140 |
| WWIS | 33 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509730 | NE/137.3 | -1.00 | 144 |
| WWIS | 34 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509726 | NE/178.6 | -1.00 | 146 |
| WWIS | 35 | | ON<br>***Well ID:*** 1509605 | NE/203.8 | -1.00 | 148 |
| WWIS | 36 | | ON<br>***Well ID:*** 1515320 | NE/151.2 | -1.00 | 150 |
| WWIS | 37 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509737 | ENE/204.7 | -1.00 | 153 |
| WWIS | 38 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509736 | ENE/206.7 | -1.00 | 156 |
| WWIS | 40 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509738 | ENE/199.7 | -1.00 | 158 |
| WWIS | 41 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509984 | NE/174.9 | -1.00 | 161 |
| WWIS | 42 | | ON | ENE/205.5 | -1.00 | 163 |

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| | | | ***Well ID:*** 1509985 | | | |
| WWIS | 43 | | lot 23 con 2<br>ON<br>***Well ID:*** 1516959 | E/130.3 | -1.00 | 165 |
| WWIS | 44 | | ON<br>***Well ID:*** 1509173 | S/101.1 | 0.00 | 168 |
| WWIS | 46 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509724 | E/197.1 | -1.00 | 170 |
| WWIS | 47 | | lot 22 con 2<br>ON<br>***Well ID:*** 1524983 | ESE/114.6 | 0.00 | 173 |
| WWIS | 48 | | lot 22 con 3<br>ON<br>***Well ID:*** 1515512 | NE/233.8 | -1.00 | 176 |
| WWIS | 49 | | lot 22 con 3<br>ON<br>***Well ID:*** 1515513 | ENE/241.2 | -1.00 | 179 |
| WWIS | 50 | | ON<br>***Well ID:*** 1514852 | NE/207.8 | -1.00 | 182 |
| WWIS | 53 | | ON<br>***Well ID:*** 1510268 | E/196.1 | -1.00 | 184 |
| WWIS | 54 | | lot 23 con 3<br>ON<br>***Well ID:*** 1509725 | E/202.5 | -1.00 | 187 |
| WWIS | 55 | | ON<br>***Well ID:*** 1510290 | E/194.1 | -1.00 | 189 |
| WWIS | 56 | | RICHMOND ON<br>***Well ID:*** 7263021 | E/219.9 | -1.00 | 191 |
| WWIS | 57 | | lot 23 con 3<br>ON<br>***Well ID:*** 1515370 | NE/177.7 | -1.00 | 193 |
| WWIS | 57 | | lot 23 con 3<br>ON | NE/177.7 | -1.00 | 196 |

| DB | Map Key | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| | | | ***Well ID:*** 1517707 | | | |
| WWIS | 57 | | lot 23 con 3<br>ON<br>***Well ID:*** 1517895 | NE/177.7 | -1.00 | 199 |
| WWIS | 58 | | lot 22 con 3<br>RICHMOND ON<br>***Well ID:*** 7156128 | ENE/238.1 | -1.69 | 202 |
| WWIS | 59 | | RICHMOND ON<br>***Well ID:*** 7248793 | NE/218.9 | -1.00 | 207 |
| WWIS | 60 | | RICHMOND ON<br>***Well ID:*** 7248735 | NE/231.3 | -1.00 | 214 |
| WWIS | 61 | | lot 23 con 2<br>ON<br>***Well ID:*** 1517733 | E/194.9 | -1.00 | 216 |
| WWIS | 62 | | ON<br>***Well ID:*** 1510285 | NE/219.5 | -1.00 | 219 |
| WWIS | 63 | | ON<br>***Well ID:*** 1513381 | NNE/154.0 | -1.00 | 221 |
| WWIS | 64 | | lot 22 con 3<br>RICHMOND ON<br>***Well ID:*** 7199490 | E/240.4 | -1.00 | 224 |
| WWIS | 65 | | ON<br>***Well ID:*** 1510630 | N/150.9 | -1.00 | 230 |
| WWIS | 68 | | ON<br>***Well ID:*** 1509121 | E/227.0 | -1.00 | 232 |
| WWIS | 69 | | lot 24 con 3<br>ON<br>***Well ID:*** 1531697 | N/187.5 | -1.00 | 235 |
| WWIS | 70 | | lot 22 con 2<br>ON<br>***Well ID:*** 1524982 | ESE/211.8 | 0.00 | 237 |


# Map : 0.25 Kilometer Radius

Order Number: 20200505026

Address: 6305 Ottawa Street West, Richmond, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

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

**Source:** © 2015 DMTI Spatial Inc.

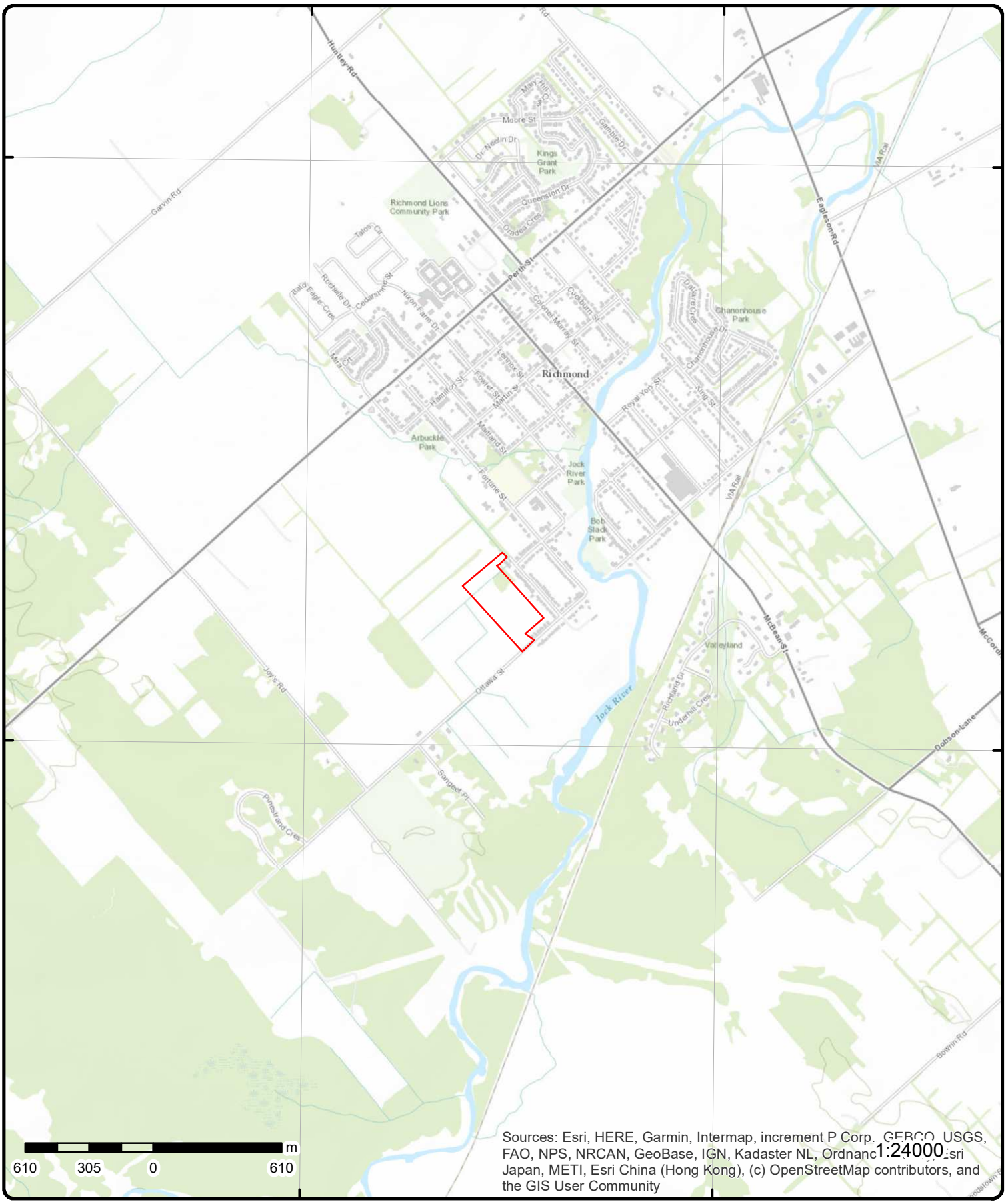

# Aerial **Year: 2019**

**Address: 6305 Ottawa Street West, Richmond, ON**

**Source:** ESRI World Imagery

Order Number: 20200505026

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES




# Topographic Map

**Address: 6305 Ottawa Street West, ON**

**Source:** ESRI World Topographic Map

Order Number: 20200505026

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

# Detail Report

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| BORE | 14 | 1 of 1 | NNE/69.2 | 94.9 / -1.00 | ON |

| | | | |
|---|---|---|---|
| **Borehole ID:** | 610292 | **Inclin FLG:** | No |
| **OGF ID:** | 215511808 | **SP Status:** | Initial Entry |
| **Status:** | | **Surv Elev:** | No |
| **Type:** | Borehole | **Piezometer:** | No |
| **Use:** | | **Primary Name:** | |
| **Completion Date:** | AUG-1970 | **Municipality:** | |
| **Static Water Level:** | 2.4 | **Lot:** | |
| **Primary Water Use:** | | **Township:** | |
| **Sec. Water Use:** | | **Latitude DD:** | 45.182834 |
| **Total Depth m:** | 21 | **Longitude DD:** | -75.837014 |
| **Depth Ref:** | Ground Surface | **UTM Zone:** | 18 |
| **Depth Elev:** | | **Easting:** | 434241 |
| **Drill Method:** | | **Northing:** | 5003602 |
| **Orig Ground Elev m:** | 96 | **Location Accuracy:** | |
| **Elev Reliabil Note:** | | **Accuracy:** | Not Applicable |
| **DEM Ground Elev m:** | 95.9 | | |
| **Concession:** | | | |
| **Location D:** | | | |
| **Survey D:** | | | |
| **Comments:** | | | |

***Borehole Geology Stratum***

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218385192 | **Mat Consistency:** | |
| **Top Depth:** | 0 | **Material Moisture:** | |
| **Bottom Depth:** | 4.6 | **Material Texture:** | |
| **Material Color:** | Brown | **Non Geo Mat Type:** | |
| **Material 1:** | Clay | **Geologic Formation:** | |
| **Material 2:** | Boulders | **Geologic Group:** | |
| **Material 3:** | | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | CLAY,BOULDERS. BROWN. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218385193 | **Mat Consistency:** | Compact |
| **Top Depth:** | 4.6 | **Material Moisture:** | |
| **Bottom Depth:** | 21 | **Material Texture:** | |
| **Material Color:** | Brown | **Non Geo Mat Type:** | |
| **Material 1:** | Limestone | **Geologic Formation:** | |
| **Material 2:** | | **Geologic Group:** | |
| **Material 3:** | | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | LIMESTONE. GREY. 00067307.0 FEET.AY. BROWN,COMPACT. SILT,SAND,TILL. BROWN,COMPACT,VERY D<br>**Note: Many records provided by the department have a truncated [Stratum Description] field. | | |

***Source***

| | | | |
|---|---|---|---|
| **Source Type:** | Data Survey | **Source Appl:** | Spatial/Tabular |
| **Source Orig:** | Geological Survey of Canada | **Source Iden:** | 1 |
| **Source Date:** | 1956-1972 | **Scale or Res:** | Varies |
| **Confidence:** | | **Horizontal:** | NAD27 |

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

**Observatio:** **Verticalda:** Mean Average Sea Level
**Source Name:** Urban Geology Automated Information System (UGAIS)
**Source Details:** File: OTTAWA1.txt RecordID: 02800 NTS_Sheet:
**Confiden 1:**

***Source List***

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

---

**BORE** 29 **1 of 1** **SE/34.9** **95.9 / 0.00** **ON**

**Borehole ID:** 610283 **Inclin FLG:** No
**OGF ID:** 215511799 **SP Status:** Initial Entry
**Status:** **Surv Elev:** No
**Type:** Borehole **Piezometer:** No
**Use:** **Primary Name:**
**Completion Date:** **Municipality:**
**Static Water Level:** **Lot:**
**Primary Water Use:** **Township:**
**Sec. Water Use:** **Latitude DD:** 45.179423
**Total Depth m:** -999 **Longitude DD:** -75.835691
**Depth Ref:** Ground Surface **UTM Zone:** 18
**Depth Elev:** **Easting:** 434341
**Drill Method:** **Northing:** 5003222
**Orig Ground Elev m:** 96 **Location Accuracy:**
**Elev Reliabil Note:** **Accuracy:** Not Applicable
**DEM Ground Elev m:** 97
**Concession:**
**Location D:**
**Survey D:**
**Comments:**

***Borehole Geology Stratum***

**Geology Stratum ID:** 218385172 **Mat Consistency:** Hard
**Top Depth:** 0 **Material Moisture:**
**Bottom Depth:** 4.3 **Material Texture:**
**Material Color:** **Non Geo Mat Type:**
**Material 1:** **Geologic Formation:**
**Material 2:** Boulders **Geologic Group:**
**Material 3:** **Geologic Period:**
**Material 4:** **Depositional Gen:**
**Gsc Material Description:**
**Stratum Description:** HARDPAN,BOULDERS.

**Geology Stratum ID:** 218385173 **Mat Consistency:** Dense
**Top Depth:** 4.3 **Material Moisture:**
**Bottom Depth:** **Material Texture:**
**Material Color:** Brown **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. 0000060. GREY. 00064STONE. TILL. BROWN,DENSE. 00040035 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

***Source***

| | | | |
|---|---|---|---|
| ***Source Type:*** | Data Survey | ***Source Appl:*** | Spatial/Tabular |
| ***Source Orig:*** | Geological Survey of Canada | ***Source Iden:*** | 1 |
| ***Source Date:*** | 1956-1972 | ***Scale or Res:*** | Varies |
| ***Confidence:*** | M | ***Horizontal:*** | NAD27 |
| ***Observatio:*** | | ***Verticalda:*** | Mean Average Sea Level |
| ***Source Name:*** | Urban Geology Automated Information System (UGAIS) | | |
| ***Source Details:*** | File: OTTAWA1.txt RecordID: 027910 NTS_Sheet: 31G04F | | |
| ***Confiden 1:*** | Reliable information but incomplete. | | |

***Source List***

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

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***BORE*** **39** ***1 of 1*** ***NE/156.8*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| ***Borehole ID:*** | 610296 | ***Inclin FLG:*** | No |
| ***OGF ID:*** | 215511812 | ***SP Status:*** | Initial Entry |
| ***Status:*** | | ***Surv Elev:*** | No |
| ***Type:*** | Borehole | ***Piezometer:*** | No |
| ***Use:*** | Geotechnical/Geological Investigation | ***Primary Name:*** | |
| ***Completion Date:*** | SEP-1971 | ***Municipality:*** | |
| ***Static Water Level:*** | | ***Lot:*** | |
| ***Primary Water Use:*** | Not Used | ***Township:*** | |
| ***Sec. Water Use:*** | | ***Latitude DD:*** | 45.183383 |
| ***Total Depth m:*** | 3.1 | ***Longitude DD:*** | -75.835877 |
| ***Depth Ref:*** | Ground Surface | ***UTM Zone:*** | 18 |
| ***Depth Elev:*** | | ***Easting:*** | 434331 |
| ***Drill Method:*** | Power auger | ***Northing:*** | 5003662 |
| ***Orig Ground Elev m:*** | 95 | ***Location Accuracy:*** | |
| ***Elev Reliabil Note:*** | | ***Accuracy:*** | Not Applicable |
| ***DEM Ground Elev m:*** | 95.7 | | |
| ***Concession:*** | | | |
| ***Location D:*** | | | |
| ***Survey D:*** | | | |
| ***Comments:*** | | | |

***Borehole Geology Stratum***

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218385201 | ***Mat Consistency:*** | |
| ***Top Depth:*** | 0 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | .2 | ***Material Texture:*** | |
| ***Material Color:*** | Brown | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | | ***Geologic Formation:*** | |
| ***Material 2:*** | Sand | ***Geologic Group:*** | |
| ***Material 3:*** | Gravel | ***Geologic Period:*** | |
| ***Material 4:*** | | ***Depositional Gen:*** | |
| ***Gsc Material Description:*** | | | |
| ***Stratum Description:*** | ARTIFICIAL,SAND, GRAVEL. BROWN. | | |

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218385202 | ***Mat Consistency:*** | Compact |
| ***Top Depth:*** | .2 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | 1.1 | ***Material Texture:*** | |
| ***Material Color:*** | Brown | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | Silt | ***Geologic Formation:*** | |
| ***Material 2:*** | Sand | ***Geologic Group:*** | |
| ***Material 3:*** | Clay | ***Geologic Period:*** | |

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

**Material 4:** **Depositional Gen:**
**Gsc Material Description:**
**Stratum Description:** SILT,SAND,CLAY. BROWN,COMPACT.

**Geology Stratum ID:** 218385203 **Mat Consistency:** Dense
**Top Depth:** 1.1 **Material Moisture:**
**Bottom Depth:** 3.1 **Material Texture:**
**Material Color:** Brown **Non Geo Mat Type:**
**Material 1:** Silt **Geologic Formation:**
**Material 2:** Sand **Geologic Group:**
**Material 3:** Till **Geologic Period:**
**Material 4:** **Depositional Gen:**
**Gsc Material Description:**
**Stratum Description:** SILT,SAND,TILL. BROWN,VERY DENSE. 00035057027VERY DENSE. 00015016000800216500. STONE. G
**Note: Many records provided by the department have a truncated [Stratum Description] field.

***Source***

**Source Type:** Data Survey **Source Appl:** Spatial/Tabular
**Source Orig:** Geological Survey of Canada **Source Iden:** 1
**Source Date:** 1956-1972 **Scale or Res:** Varies
**Confidence:** H **Horizontal:** NAD27
**Observatio:** **Verticalda:** Mean Average Sea Level
**Source Name:** Urban Geology Automated Information System (UGAIS)
**Source Details:** File: OTTAWA1.txt RecordID: 028040 NTS_Sheet: 31G04
**Confiden 1:** Logged by professional. Exact and complete description of material and properties.

***Source List***

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

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***BORE*** **45** ***1 of 1*** ***S/101.2*** ***95.9 / 0.00*** ***ON***

**Borehole ID:** 610279 **Inclin FLG:** No
**OGF ID:** 215511795 **SP Status:** Initial Entry
**Status:** **Surv Elev:** No
**Type:** Borehole **Piezometer:** No
**Use:** **Primary Name:**
**Completion Date:** JUN-1958 **Municipality:**
**Static Water Level:** **Lot:**
**Primary Water Use:** **Township:**
**Sec. Water Use:** **Latitude DD:** 45.178239
**Total Depth m:** 31.7 **Longitude DD:** -75.837456
**Depth Ref:** Ground Surface **UTM Zone:** 18
**Depth Elev:** **Easting:** 434201
**Drill Method:** **Northing:** 5003092
**Orig Ground Elev m:** 92.4 **Location Accuracy:**
**Elev Reliabil Note:** **Accuracy:** Not Applicable
**DEM Ground Elev m:** 96.9
**Concession:**
**Location D:**
**Survey D:**
**Comments:**

***Borehole Geology Stratum***

**Geology Stratum ID:** 218385166 **Mat Consistency:** Dense

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

| | | | |
|---|---|---|---|
| **Top Depth:** | 4.3 | **Material Moisture:** | |
| **Bottom Depth:** | 31.7 | **Material Texture:** | |
| **Material Color:** | Brown | **Non Geo Mat Type:** | |
| **Material 1:** | Limestone | **Geologic Formation:** | |
| **Material 2:** | | **Geologic Group:** | |
| **Material 3:** | | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | LIMESTONE. GREY. 0010000060. GREY. 00064STONE. TILL. BROWN,DENSE. 00040035 **Note: Many records provided by the department have a truncated [Stratum Description] field. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218385165 | **Mat Consistency:** | Hard |
| **Top Depth:** | 0 | **Material Moisture:** | |
| **Bottom Depth:** | 4.3 | **Material Texture:** | |
| **Material Color:** | | **Non Geo Mat Type:** | |
| **Material 1:** | Boulders | **Geologic Formation:** | |
| **Material 2:** | | **Geologic Group:** | |
| **Material 3:** | | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | BOULDERS,HARDPAN. | | |

***Source***

| | | | |
|---|---|---|---|
| **Source Type:** | Data Survey | **Source Appl:** | Spatial/Tabular |
| **Source Orig:** | Geological Survey of Canada | **Source Iden:** | 1 |
| **Source Date:** | 1956-1972 | **Scale or Res:** | Varies |
| **Confidence:** | | **Horizontal:** | NAD27 |
| **Observatio:** | | **Verticalda:** | Mean Average Sea Level |
| **Source Name:** | Urban Geology Automated Information System (UGAIS) | | |
| **Source Details:** | File: OTTAWA1.txt RecordID: 02787 NTS_Sheet: | | |
| **Confiden 1:** | | | |

***Source List***

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

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| | | | | | |
|---|---|---|---|---|---|
| ***BORE*** | **51** | ***1 of 1*** | ***E/173.9*** | ***94.9 / -1.00*** | ***ON*** |

| | | | |
|---|---|---|---|
| **Borehole ID:** | 610286 | **Inclin FLG:** | No |
| **OGF ID:** | 215511802 | **SP Status:** | Initial Entry |
| **Status:** | | **Surv Elev:** | No |
| **Type:** | Borehole | **Piezometer:** | No |
| **Use:** | Geotechnical/Geological Investigation | **Primary Name:** | |
| **Completion Date:** | SEP-1971 | **Municipality:** | |
| **Static Water Level:** | | **Lot:** | |
| **Primary Water Use:** | Not Used | **Township:** | |
| **Sec. Water Use:** | | **Latitude DD:** | 45.181239 |
| **Total Depth m:** | 4.5 | **Longitude DD:** | -75.833618 |
| **Depth Ref:** | Ground Surface | **UTM Zone:** | 18 |
| **Depth Elev:** | | **Easting:** | 434506 |
| **Drill Method:** | Power auger | **Northing:** | 5003422 |
| **Orig Ground Elev m:** | 95.4 | **Location Accuracy:** | |
| **Elev Reliabil Note:** | | **Accuracy:** | Not Applicable |
| **DEM Ground Elev m:** | 96.2 | | |
| **Concession:** | | | |
| **Location D:** | | | |
| **Survey D:** | | | |

***Comments:***

***Borehole Geology Stratum***

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218385180 | ***Mat Consistency:*** | Compact |
| ***Top Depth:*** | .5 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | 2.4 | ***Material Texture:*** | |
| ***Material Color:*** | Brown | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | Silt | ***Geologic Formation:*** | |
| ***Material 2:*** | Sand | ***Geologic Group:*** | |
| ***Material 3:*** | Clay | ***Geologic Period:*** | |
| ***Material 4:*** | | ***Depositional Gen:*** | |
| ***Gsc Material Description:*** | | | |
| ***Stratum Description:*** | SILT,SAND,CLAY. BROWN,COMPACT. | | |

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218385178 | ***Mat Consistency:*** | |
| ***Top Depth:*** | 0 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | .3 | ***Material Texture:*** | |
| ***Material Color:*** | Brown | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | | ***Geologic Formation:*** | |
| ***Material 2:*** | Sand | ***Geologic Group:*** | |
| ***Material 3:*** | Gravel | ***Geologic Period:*** | |
| ***Material 4:*** | | ***Depositional Gen:*** | |
| ***Gsc Material Description:*** | | | |
| ***Stratum Description:*** | ARTIFICIAL,SAND, GRAVEL. BROWN. | | |

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218385181 | ***Mat Consistency:*** | Compact |
| ***Top Depth:*** | 2.4 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | 4.5 | ***Material Texture:*** | |
| ***Material Color:*** | Brown | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | Silt | ***Geologic Formation:*** | |
| ***Material 2:*** | Sand | ***Geologic Group:*** | |
| ***Material 3:*** | Till | ***Geologic Period:*** | |
| ***Material 4:*** | | ***Depositional Gen:*** | |
| ***Gsc Material Description:*** | | | |
| ***Stratum Description:*** | SILT,SAND,TILL. BROWN,COMPACT,VERY DENSE. 00015016000800216500. STONE. GREY. 00128008000 **Note: Many records provided by the department have a truncated [Stratum Description] field. | | |

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218385179 | ***Mat Consistency:*** | |
| ***Top Depth:*** | .3 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | .5 | ***Material Texture:*** | |
| ***Material Color:*** | | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | Unknown | ***Geologic Formation:*** | |
| ***Material 2:*** | Soil | ***Geologic Group:*** | |
| ***Material 3:*** | | ***Geologic Period:*** | |
| ***Material 4:*** | | ***Depositional Gen:*** | |
| ***Gsc Material Description:*** | | | |
| ***Stratum Description:*** | UNSPECIFIED,SOIL. | | |

***Source***

| | | | |
|---|---|---|---|
| ***Source Type:*** | Data Survey | ***Source Appl:*** | Spatial/Tabular |
| ***Source Orig:*** | Geological Survey of Canada | ***Source Iden:*** | 1 |
| ***Source Date:*** | 1956-1972 | ***Scale or Res:*** | Varies |
| ***Confidence:*** | H | ***Horizontal:*** | NAD27 |
| ***Observatio:*** | | ***Verticalda:*** | Mean Average Sea Level |
| ***Source Name:*** | Urban Geology Automated Information System (UGAIS) | | |
| ***Source Details:*** | File: OTTAWA1.txt RecordID: 027940 NTS_Sheet: 31G04 | | |
| ***Confiden 1:*** | Logged by professional. Exact and complete description of material and properties. | | |

***Source List***

| | | | |
|---|---|---|---|
| ***Source Identifier:*** | 1 | ***Horizontal Datum:*** | NAD27 |
| ***Source Type:*** | Data Survey | ***Vertical Datum:*** | Mean Average Sea Level |

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

**Source Date:** 1956-1972 **Projection Name:** Universal Transverse Mercator
**Scale or Resolution:** Varies
**Source Name:** Urban Geology Automated Information System (UGAIS)
**Source Originators:** Geological Survey of Canada

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| CA | 52 | 1 of 1 | NE/180.8 | 94.9 / -1.00 | ALAN MATTHEWS<br>FORTUNE ST/BURKE ST.<br>(RICHMOND)<br>GOULBOURN TWP. ON |

**Certificate #:** 3-1791-97-
**Application Year:** 97
**Issue Date:** 12/22/1997
**Approval Type:** Municipal sewage
**Status:** Approved
**Application Type:**
**Client Name:**
**Client Address:**
**Client City:**
**Client Postal Code:**
**Project Description:**
**Contaminants:**
**Emission Control:**

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| CA | 71 | 1 of 2 | N/219.3 | 94.9 / -1.00 | BRIAN ARBUCKLE<br>FORTUNE ST/YORK ST.<br>GOULBOURN TWP. ON |

**Certificate #:** 3-0110-95-
**Application Year:** 95
**Issue Date:** 2/17/1995
**Approval Type:** Municipal sewage
**Status:** Approved
**Application Type:**
**Client Name:**
**Client Address:**
**Client City:**
**Client Postal Code:**
**Project Description:**
**Contaminants:**
**Emission Control:**

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| CA | 71 | 2 of 2 | N/219.3 | 94.9 / -1.00 | MARK RABB<br>FORTUNE ST./YORK ST.<br>GOULBOURN TWP. ON |

**Certificate #:** 3-1480-94-
**Application Year:** 94
**Issue Date:** 11/16/1994
**Approval Type:** Municipal sewage
**Status:** Approved
**Application Type:**
**Client Name:**
**Client Address:**
**Client City:**
**Client Postal Code:**
**Project Description:**
**Contaminants:**
**Emission Control:**

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| EHS | 1 | 1 of 1 | SE/0.0 | 95.9 / 0.00 | 6305 Ottawa Street<br>Richmond ON K0A 2Z0 |

| | | | |
|---|---|---|---|
| **Order No:** | 20200107159 | **Nearest Intersection:** | |
| **Status:** | C | **Municipality:** | |
| **Report Type:** | Standard Report | **Client Prov/State:** | ON |
| **Report Date:** | 10-JAN-20 | **Search Radius (km):** | .25 |
| **Date Received:** | 07-JAN-20 | **X:** | -75.8376417 |
| **Previous Site Name:** | | **Y:** | 45.180854 |
| **Lot/Building Size:** | | | |
| **Additional Info Ordered:** | | | |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| EHS | 20 | 1 of 1 | SSE/0.0 | 95.9 / 0.00 | Munster<br>Munster ON |

| | | | |
|---|---|---|---|
| **Order No:** | 20080402023 | **Nearest Intersection:** | |
| **Status:** | C | **Municipality:** | |
| **Report Type:** | Custom Report | **Client Prov/State:** | AB |
| **Report Date:** | 4/21/2008 | **Search Radius (km):** | 0.25 |
| **Date Received:** | 4/2/2008 | **X:** | -75.836997 |
| **Previous Site Name:** | | **Y:** | 45.179233 |
| **Lot/Building Size:** | | | |
| **Additional Info Ordered:** | | | |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 66 | 1 of 1 | E/237.8 | 94.2 / -1.69 | RABB CONSTRUCTION LTD.<br>CORNER OF FORTUNE STREET<br>AND OTTAWA STREET<br>GOULBOURN TWP. ON |

| | | | |
|---|---|---|---|
| **Generator No:** | ON1791700 | **PO Box No:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 93,94,95,96,97,98,99,00,01 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No Admin:** | |
| **SIC Code:** | 4214 | | |
| **SIC Description:** | EXCAVAT. & GRADING | | |

***Detail(s)***

| | |
|---|---|
| **Waste Class:** | 252 |
| **Waste Class Desc:** | WASTE OILS & LUBRICANTS |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 1 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St.<br>Richmond ON |

| | | | |
|---|---|---|---|
| **Generator No:** | ON3304448 | **PO Box No:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 06,07,08 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No Admin:** | |
| **SIC Code:** | | | |
| **SIC Description:** | | | |

***Detail(s)***

| | |
|---|---|
| **Waste Class:** | 252 |
| **Waste Class Desc:** | WASTE OILS & LUBRICANTS |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 2 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St.<br>Richmond ON |

| | | | |
|---|---|---|---|
| **Generator No:** | ON3304448 | **PO Box No:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 2009 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No Admin:** | |
| **SIC Code:** | 263110 | | |
| **SIC Description:** | | | |

**Detail(s)**

| | |
|---|---|
| **Waste Class:** | 252 |
| **Waste Class Desc:** | WASTE OILS & LUBRICANTS |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 3 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St.<br>Richmond ON |

| | | | |
|---|---|---|---|
| **Generator No:** | ON3304448 | **PO Box No:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 2010 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No Admin:** | |
| **SIC Code:** | 237110 | | |
| **SIC Description:** | Water and Sewer Line and Related Structures Construction | | |

**Detail(s)**

| | |
|---|---|
| **Waste Class:** | 252 |
| **Waste Class Desc:** | WASTE OILS & LUBRICANTS |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 4 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St.<br>Richmond ON |

| | | | |
|---|---|---|---|
| **Generator No:** | ON3304448 | **PO Box No:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 2011 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No Admin:** | |
| **SIC Code:** | 237110 | | |
| **SIC Description:** | Water and Sewer Line and Related Structures Construction | | |

**Detail(s)**

| | |
|---|---|
| **Waste Class:** | 252 |
| **Waste Class Desc:** | WASTE OILS & LUBRICANTS |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 5 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St.<br>Richmond ON |

| | | | |
|---|---|---|---|
| **Generator No:** | ON3304448 | **PO Box No:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 2012 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No Admin:** | |
| **SIC Code:** | 237110 | | |
| **SIC Description:** | Water and Sewer Line and Related Structures Construction | | |

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

***Detail(s)***

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

---

***GEN*** **67** ***6 of 11*** ***E/233.5*** ***94.6 / -1.30*** ***Rabb Construction Ltd.***
***6250 Ottawa St.***
***Richmond ON***

***Generator No:*** ON3304448
***Status:***
***Approval Years:*** 2013
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 237110
***SIC Description:*** WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

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

***Detail(s)***

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

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***GEN*** **67** ***7 of 11*** ***E/233.5*** ***94.6 / -1.30*** ***Rabb Construction Ltd.***
***6250 Ottawa St.***
***Richmond ON K0A 2Z0***

***Generator No:*** ON3304448
***Status:***
***Approval Years:*** 2015
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 237110
***SIC Description:*** WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

***PO Box No:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:*** Mark D Rabb
***Phone No Admin:*** (613) 838-7222 Ext.

***Detail(s)***

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

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***GEN*** **67** ***8 of 11*** ***E/233.5*** ***94.6 / -1.30*** ***Rabb Construction Ltd.***
***6250 Ottawa St.***
***Richmond ON K0A 2Z0***

***Generator No:*** ON3304448
***Status:***
***Approval Years:*** 2016
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 237110
***SIC Description:*** WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

***PO Box No:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:*** Mark D Rabb
***Phone No Admin:*** (613) 838-7222 Ext.

***Detail(s)***

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

---

***GEN*** **67** ***9 of 11*** ***E/233.5*** ***94.6 / -1.30*** ***Rabb Construction Ltd.***
***6250 Ottawa St.***
***Richmond ON K0A 2Z0***

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

**Generator No:** ON3304448
**Status:**
**Approval Years:** 2014
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 237110
**SIC Description:** WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

**PO Box No:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:** Mark D Rabb
**Phone No Admin:** (613) 838-7222 Ext.

***Detail(s)***

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

---

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 10 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St. W. (behind)<br>Richmond ON K0A 2Z0 |

**Generator No:** ON3304448
**Status:** Registered
**Approval Years:** As of Dec 2018
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:**
**SIC Description:**

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

***Detail(s)***

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

---

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| GEN | 67 | 11 of 11 | E/233.5 | 94.6 / -1.30 | Rabb Construction Ltd.<br>6250 Ottawa St. W. (behind)<br>Richmond ON K0A 2Z0 |

**Generator No:** ON3304448
**Status:** Registered
**Approval Years:** As of Oct 2019
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:**
**SIC Description:**

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

***Detail(s)***

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

---

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| HINC | 32 | 2 of 2 | NE/156.7 | 94.9 / -1.00 | 136 BURKE STREET WEST<br>RICHMOND ON |

**External File Num:** FS INC 0707-03449
**Fuel Occurrence Type:** Leak
**Date of Occurrence:** 7/3/2007
**Fuel Type Involved:** Fuel Oil
**Status Desc:** Completed - No Action Required
**Job Type Desc:** Incident/Near-Miss Occurrence (FS)
**Oper. Type Involved:** Private Dwelling
**Service Interruptions:** No
**Property Damage:** No
**Fuel Life Cycle Stage:** Utilization
**Root Cause:**

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

**Reported Details:**

| | |
|---|---|
| **Fuel Category:** | Liquid Fuel |
| **Occurrence Type:** | Incident |
| **Affiliation:** | Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) |
| **County Name:** | Ottawa |
| **Approx. Quant. Rel:** | |
| **Nearby body of water:** | |
| **Enter Drainage Syst.:** | |
| **Approx. Quant. Unit:** | |
| **Environmental Impact:** | |

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**SPL** 32 | **1 of 2** | **NE/156.7** | **94.9 / -1.00** | **136 Burke Street West, Richmond Ottawa ON**

| | | | |
|---|---|---|---|
| **Ref No:** | 6522-74SK6V | **Discharger Report:** | |
| **Site No:** | | **Material Group:** | Oil |
| **Incident Dt:** | | **Health/Env Conseq:** | |
| **Year:** | | **Client Type:** | |
| **Incident Cause:** | Tank (Above Ground) Leak | **Sector Type:** | Other |
| **Incident Event:** | | **Agency Involved:** | |
| **Contaminant Code:** | 13 | **Nearest Watercourse:** | |
| **Contaminant Name:** | FURNACE OIL | **Site Address:** | |
| **Contaminant Limit 1:** | | **Site District Office:** | |
| **Contam Limit Freq 1:** | | **Site Postal Code:** | |
| **Contaminant UN No 1:** | | **Site Region:** | |
| **Environment Impact:** | Not Anticipated | **Site Municipality:** | Ottawa |
| **Nature of Impact:** | Soil Contamination | **Site Lot:** | |
| **Receiving Medium:** | Land | **Site Conc:** | |
| **Receiving Env:** | | **Northing:** | |
| **MOE Response:** | | **Easting:** | |
| **Dt MOE Arvl on Scn:** | | **Site Geo Ref Accu:** | |
| **MOE Reported Dt:** | 7/4/2007 | **Site Map Datum:** | |
| **Dt Document Closed:** | | **SAC Action Class:** | |
| **Incident Reason:** | Spill | **Source Type:** | |
| **Site Name:** | S. 21(1)(f) residence<UNOFFICIAL> | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Incident Summary:** | furnace oil tank leak, contained & cleaned | | |
| **Contaminant Qty:** | 30 L | | |

---

**WWIS** 2 | **1 of 1** | **NNE/46.8** | **94.9 / -1.00** | **ON**

| | | | |
|---|---|---|---|
| **Well ID:** | 1532446 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 11/2/2001 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 234398 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10516896 | ***Elevation:*** | 95.615539 |
| ***DP2BR:*** | 8 | ***Elevrc:*** | |
| ***Spatial Status:*** | Improved | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434226 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003552 |
| ***Open Hole:*** | | ***Org CS:*** | N83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 3 |
| ***Date Completed:*** | 9/18/2001 | ***UTMRC Desc:*** | margin of error : 10 - 30 m |
| ***Remarks:*** | | ***Location Method:*** | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | 1999-2004 MOE Water Well Data Improvement Project | | |
| ***Improvement Location Method:*** | GIS10000 | | |
| ***Source Revision Comment:*** | Northing and/or Easting field has been changed. Location estimated from sketch map. | | |
| ***Supplier Comment:*** | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932832853 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 8 |
| ***Formation End Depth:*** | 82 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932832852 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 81 |
| ***Other Materials:*** | SANDY |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 8 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 933219885 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 2 |
| ***Plug To:*** | 22 |
| ***Plug Depth UOM:*** | ft |

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 11065466
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930094856
***Layer:*** 2
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930094857
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930094855
***Layer:*** 1
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 8
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991532446
***Pump Set At:***
***Static Level:*** 14
***Final Level After Pumping:*** 78
***Recommended Pump Depth:*** 78
***Pumping Rate:*** 8
***Flowing Rate:***
***Recommended Pump Rate:*** 8
***Levels UOM:*** ft
***Rate UOM:*** GPM

***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934116835
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 14
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934401003
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 14
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934918411
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 14
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934660970
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 14
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 934008660
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 71
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 934008659
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 62
***Water Found Depth UOM:*** ft

***WWIS*** **3** ***1 of 1*** ***NE/62.4*** ***94.9 / -1.00*** ***ON***

***Well ID:*** 1532447 ***Data Entry Status:***

| | | | |
|---|---|---|---|
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 11/2/2001 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 234399 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10516897 | **Elevation:** | 95.708244 |
| **DP2BR:** | 12 | **Elevrc:** | |
| **Spatial Status:** | Improved | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434254 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003544 |
| **Open Hole:** | | **Org CS:** | N83 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 9/18/2001 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | 1999-2004 MOE Water Well Data Improvement Project | | |
| **Improvement Location Method:** | GIS10000 | | |
| **Source Revision Comment:** | Northing and/or Easting field has been changed. Location estimated from sketch map. | | |
| **Supplier Comment:** | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932832855 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 12 |
| **Formation End Depth:** | 65 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932832854 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 28 |

**Most Common Material:** SAND
**Mat2:** 13
**Other Materials:** BOULDERS
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 12
**Formation End Depth UOM:** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 933219886
**Layer:** 1
**Plug From:** 2
**Plug To:** 22
**Plug Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 11065467
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930094860
**Layer:** 3
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:**
**Casing Diameter:** 6
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930094858
**Layer:** 1
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:**
**Casing Diameter:** 8
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930094859
**Layer:** 2
**Material:** 1

***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991532447
***Pump Set At:***
***Static Level:*** 13
***Final Level After Pumping:*** 55
***Recommended Pump Depth:*** 55
***Pumping Rate:*** 25
***Flowing Rate:***
***Recommended Pump Rate:*** 25
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934660971
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 13
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934401004
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 13
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934116836
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 13
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934918412
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 13
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 934008661
***Layer:*** 1

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

| | |
|---|---|
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 58 |
| **Water Found Depth UOM:** | ft |

**WWIS** **4** **1 of 1** **NNE/52.9** **94.9 / -1.00** **lot 22 con 3 RICHMOND ON**

| | | | |
|---|---|---|---|
| **Well ID:** | 1535532 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Domestic | **Date Received:** | 6/6/2005 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 3 |
| **Audit No:** | Z23277 | **Owner:** | |
| **Tag:** | A023019 | **Street Name:** | 91 QUEEN CHARLOTTE |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 11316071 | **Elevation:** | 95.712493 |
| **DP2BR:** | 16 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434219 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003569 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 5/18/2005 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932996551 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 4.87 |
| **Formation End Depth:** | 24.38 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932996550
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:*** 13
***Other Materials:*** BOULDERS
***Formation Top Depth:*** 0
***Formation End Depth:*** 4.87
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933269775
***Layer:*** 1
***Plug From:*** 6.09
***Plug To:*** 0
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 11330926
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930855350
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:*** 6.09
***Depth To:*** 24.38
***Casing Diameter:***
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Casing***

***Casing ID:*** 930855349
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** 0
***Depth To:*** 6.7
***Casing Diameter:*** 15.88

***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Results of Well Yield Testing***

***Pump Test ID:*** 11345478
***Pump Set At:*** 21.33
***Static Level:*** 2.5
***Final Level After Pumping:*** 13.41
***Recommended Pump Depth:*** 21.33
***Pumping Rate:*** 68.25
***Flowing Rate:***
***Recommended Pump Rate:*** 68.25
***Levels UOM:*** m
***Rate UOM:*** LPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:***
***Flowing:***

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392557
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 12.83
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392558
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 6.99
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392561
***Test Type:*** Recovery
***Test Duration:*** 40
***Test Level:*** 2.7
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392550
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 5.81
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392568
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 13.08
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392546
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 13.41
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392548
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 7.03
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392566
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 2.89
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392551
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 4.9
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392552
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 8.2
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392554
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 10.22
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392555
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 3.3
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392544
***Test Type:*** Draw Down

***Test Duration:*** 1
***Test Level:*** 5.04
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392545
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 7.72
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392547
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 9.11
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392549
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 6.15
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392559
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 3
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392560
***Test Type:*** Recovery
***Test Duration:*** 50
***Test Level:*** 2.65
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392563
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 12.5
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392564
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 2.81
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392567
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 11.98
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392553
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 4.26
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392556
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 11.28
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392562
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 2.76
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11392565
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 12.41
***Test Level UOM:*** m

***Water Details***

***Water ID:*** 934060543
***Layer:*** 1
***Kind Code:***
***Kind:***
***Water Found Depth:*** 20.11
***Water Found Depth UOM:*** m

***Water Details***

***Water ID:*** 934060542
***Layer:*** 2
***Kind Code:***
***Kind:***
***Water Found Depth:*** 22.55
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 11533567

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

| | |
|---|---|
| **Diameter:** | 15.07 |
| **Depth From:** | 0 |
| **Depth To:** | 24.38 |
| **Hole Depth UOM:** | m |
| **Hole Diameter UOM:** | cm |

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**WWIS** **5** **1 of 1** **ENE/82.6** **94.9 / -1.00** **lot 23 con 3 ON**

| | | | |
|---|---|---|---|
| **Well ID:** | 1509980 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 4/2/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10032012 | **Elevation:** | 96.195129 |
| **DP2BR:** | 9 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434300.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003522 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 1/8/1969 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931013558 |
| **Layer:** | 2 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 9 |
| **Formation End Depth:** | 60 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013557
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 9
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580582
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056645
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 18
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056646
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 60
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509980
***Pump Set At:***
***Static Level:*** 10

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

| | |
|---|---|
| ***Final Level After Pumping:*** | 20 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464900 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 58 |
| ***Water Found Depth UOM:*** | ft |

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***WWIS*** **6** ***1 of 1*** ***NE/80.1*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509983 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 4/2/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032015 | ***Elevation:*** | 95.837005 |
| ***DP2BR:*** | 10 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434270.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003552 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 1/16/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013565
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 10
***Formation End Depth:*** 61
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013564
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 10
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580585
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056652
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 61
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

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

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056651 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 18 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509983 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 5 |
| ***Final Level After Pumping:*** | 9 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464903 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 60 |
| ***Water Found Depth UOM:*** | ft |

| | | | | | |
|---|---|---|---|---|---|
| ***WWIS*** | ***7*** | ***1 of 1*** | ***ENE/83.4*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON*** |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509979 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 4/2/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032011 | ***Elevation:*** | 96.079948 |
| ***DP2BR:*** | 10 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434310.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003512 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 1/7/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013556 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 10 |
| ***Formation End Depth:*** | 60 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013555 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 10 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10580581 |

**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930056644
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 60
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930056643
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 18
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

**Pump Test ID:** 991509979
**Pump Set At:**
**Static Level:** 12
**Final Level After Pumping:** 22
**Recommended Pump Depth:** 30
**Pumping Rate:** 10
**Flowing Rate:**
**Recommended Pump Rate:** 5
**Levels UOM:** ft
**Rate UOM:** GPM
**Water State After Test Code:** 2
**Water State After Test:** CLOUDY
**Pumping Test Method:** 1
**Pumping Duration HR:** 1
**Pumping Duration MIN:** 0
**Flowing:** N

***Water Details***

**Water ID:** 933464899
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 58
**Water Found Depth UOM:** ft

---

***WWIS*** | **8** | ***1 of 1*** | ***ENE/88.8*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON***

**Well ID:** 1509976
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Data Entry Status:**
**Data Src:** 1
**Date Received:** 4/2/1969
**Selected Flag:** Yes

| | | | |
|---|---|---|---|
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032008 | ***Elevation:*** | 96.223731 |
| ***DP2BR:*** | 11 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434335.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003492 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 1/6/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013548 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 11 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013549 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |

***Other Materials:***
***Formation Top Depth:*** 11
***Formation End Depth:*** 60
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580578
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056638
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 60
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056637
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 18
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509976
***Pump Set At:***
***Static Level:*** 15
***Final Level After Pumping:*** 20
***Recommended Pump Depth:*** 30
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

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

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464896 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 59 |
| ***Water Found Depth UOM:*** | ft |

| | | | | | |
|---|---|---|---|---|---|
| ***WWIS*** | ***9*** | ***1 of 1*** | ***ENE/79.7*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON*** |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509978 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 4/2/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032010 | ***Elevation:*** | 96.473266 |
| ***DP2BR:*** | 10 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434345.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003467 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 1/7/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013554 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |

***Other Materials:***
***Formation Top Depth:*** 10
***Formation End Depth:*** 60
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013553
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 10
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580580
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056642
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 60
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056641
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 18
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

| | |
|---|---|
| **Pump Test ID:** | 991509978 |
| **Pump Set At:** | |
| **Static Level:** | 10 |
| **Final Level After Pumping:** | 15 |
| **Recommended Pump Depth:** | 30 |
| **Pumping Rate:** | 10 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 5 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 2 |
| **Water State After Test:** | CLOUDY |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933464898 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 58 |
| **Water Found Depth UOM:** | ft |

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***WWIS*** **10** ***1 of 1*** ***E/73.4*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1509731 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 1/8/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10031763 | **Elevation:** | 96.537353 |
| **DP2BR:** | 9 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434350.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003452 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 12/24/1968 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012908
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 9
***Formation End Depth:*** 60
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012907
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 9
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580333
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056162
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 18
***Casing Diameter:*** 5

**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930056163
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 60
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

**Pump Test ID:** 991509731
**Pump Set At:**
**Static Level:** 8
**Final Level After Pumping:** 12
**Recommended Pump Depth:** 30
**Pumping Rate:** 10
**Flowing Rate:**
**Recommended Pump Rate:** 5
**Levels UOM:** ft
**Rate UOM:** GPM
**Water State After Test Code:** 2
**Water State After Test:** CLOUDY
**Pumping Test Method:** 1
**Pumping Duration HR:** 1
**Pumping Duration MIN:** 0
**Flowing:** N

***Water Details***

**Water ID:** 933464623
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 58
**Water Found Depth UOM:** ft

---

***WWIS*** **11** | ***1 of 4*** | ***ENE/103.6*** | ***94.9 / -1.00*** | ***lot 22 con 3 ON***

**Well ID:** 1518712
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 11/9/1983
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 3644
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:** 022
**Concession:** 03
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**

**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10040582 | **Elevation:** | 96.231697 |
| **DP2BR:** | 5 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434329.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003521 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 10/13/1983 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931039305 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 5 |
| **Formation End Depth:** | 43 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931039304 |
| **Layer:** | 1 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 01 |
| **Most Common Material:** | FILL |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 5 |
| **Formation End Depth UOM:** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| **Method Construction ID:** | |
| **Method Construction Code:** | 5 |
| **Method Construction:** | Air Percussion |
| **Other Method Construction:** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10589152 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930070854 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 43 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930070853 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 21 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991518712 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 10 |
| ***Final Level After Pumping:*** | 25 |
| ***Recommended Pump Depth:*** | 25 |
| ***Pumping Rate:*** | 20 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 10 |
| ***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:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934380446 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934899549 |

| | |
|---|---|
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934650429 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934104024 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933475492 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 38 |
| ***Water Found Depth UOM:*** | ft |

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***WWIS*** 11 ***2 of 4*** ***ENE/103.6*** ***94.9 / -1.00*** ***lot 22 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1518776 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/10/1984 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10040646 | ***Elevation:*** | 96.231697 |
| ***DP2BR:*** | 6 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434329.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003521 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |

**Date Completed:** 12/15/1983
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931039519
**Layer:** 1
**Color:** 2
**General Color:** GREY
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:** 12
**Other Materials:** STONES
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 6
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931039520
**Layer:** 2
**Color:** 2
**General Color:** GREY
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 6
**Formation End Depth:** 63
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10589216
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930070964
**Layer:** 2
**Material:** 4

***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 63
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930070963
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 21
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991518776
***Pump Set At:***
***Static Level:*** 5
***Final Level After Pumping:*** 25
***Recommended Pump Depth:*** 25
***Pumping Rate:*** 20
***Flowing Rate:***
***Recommended Pump Rate:*** 10
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934103252
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650493
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934380510
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 25
***Test Level UOM:*** ft

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

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934900030 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933475573 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 58 |
| ***Water Found Depth UOM:*** | ft |

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***WWIS*** **11** ***3 of 4*** ***ENE/103.6*** ***94.9 / -1.00*** ***lot 22 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1518777 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/10/1984 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10040647 | ***Elevation:*** | 96.231697 |
| ***DP2BR:*** | 2 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434329.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003521 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 11/7/1983 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931039522 |

***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 2
***Formation End Depth:*** 63
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931039521
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 2
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10589217
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930070966
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 63
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930070965
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL

***Depth From:***
***Depth To:*** 21
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991518777
***Pump Set At:***
***Static Level:*** 6
***Final Level After Pumping:*** 25
***Recommended Pump Depth:*** 25
***Pumping Rate:*** 50
***Flowing Rate:***
***Recommended Pump Rate:*** 10
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650494
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934380511
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934103253
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934900031
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 25
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933475574
***Layer:*** 1
***Kind Code:*** 1

**Kind:** FRESH
**Water Found Depth:** 59
**Water Found Depth UOM:** ft

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**WWIS** | **11** | **4 of 4** | **ENE/103.6** | **94.9 / -1.00** | **lot 22 con 3 ON**

**Well ID:** 1519025
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 7/3/1984
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 3644
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:** 022
**Concession:** 03
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10040895
**DP2BR:** 10
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 5/18/1984
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 96.231697
**Elevrc:**
**Zone:** 18
**East83:** 434329.6
**North83:** 5003521
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931040359
**Layer:** 1
**Color:** 2
**General Color:** GREY
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:** 11
**Other Materials:** GRAVEL
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 10
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931040360
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 10
***Formation End Depth:*** 63
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10589465
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930071390
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930071391
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 63
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991519025
***Pump Set At:***
***Static Level:*** 6
***Final Level After Pumping:*** 30
***Recommended Pump Depth:*** 30

| | |
|---|---|
| ***Pumping Rate:*** | 20 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 10 |
| ***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:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934900678 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934381586 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934106426 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934651566 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933475891 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 58 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** | ***12*** | ***1 of 1*** | ***SE/23.8*** | ***95.9 / 0.00*** | ***lot 22 con 3 RICHMOND ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1535184 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 11/16/2004 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1119 |

| | | | |
|---|---|---|---|
| **Casing Material:** | | **Form Version:** | 3 |
| **Audit No:** | Z19094 | **Owner:** | |
| **Tag:** | A018985 | **Street Name:** | 6299 OTTAWA ST |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | PLAN 4R-16175 P/L 6 |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 11172936 | **Elevation:** | 96.885612 |
| **DP2BR:** | 18 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434310 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003271 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 10/27/2004 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932969190 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 81 |
| **Other Materials:** | SANDY |
| **Mat3:** | 11 |
| **Other Materials:** | GRAVEL |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 5.48 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932969191 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 5.48 |

***Formation End Depth:*** 24.99
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933253350
***Layer:*** 1
***Plug From:*** 6.7
***Plug To:*** 0
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 11181455
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930843297
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** 0
***Depth To:*** 7.31
***Casing Diameter:*** 15.88
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Casing***

***Casing ID:*** 930843298
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:*** 6.7
***Depth To:*** 24.99
***Casing Diameter:***
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Results of Well Yield Testing***

***Pump Test ID:*** 11189786
***Pump Set At:*** 21.33
***Static Level:*** 2.87
***Final Level After Pumping:*** 22.88
***Recommended Pump Depth:*** 21.33
***Pumping Rate:*** 34.07
***Flowing Rate:***
***Recommended Pump Rate:*** 34.07
***Levels UOM:*** m

***Rate UOM:*** LPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:***

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301072
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 8.26
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301067
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 17.98
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301074
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 8.97
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301083
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 3.35
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301086
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 19.87
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301088
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 21.47
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301080
***Test Type:*** Draw Down
***Test Duration:*** 20

***Test Level:*** 16.08
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301075
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 11.83
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301091
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 3.04
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301066
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 5.54
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301076
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 12.3
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301081
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 3.5
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301090
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 22.88
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301077
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 8.23
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301082
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 17.29
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301084
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 18.26
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301087
***Test Type:*** Recovery
***Test Duration:*** 40
***Test Level:*** 3.14
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301068
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 6.62
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301069
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 16.26
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301071
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 14.73
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301085
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 3.26
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301070
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 7.5

***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301073
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 13.32
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301078
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 14.6
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301079
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 3.88
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11301089
***Test Type:*** Recovery
***Test Duration:*** 50
***Test Level:*** 3.09
***Test Level UOM:*** m

***Water Details***

***Water ID:*** 934050673
***Layer:*** 1
***Kind Code:***
***Kind:***
***Water Found Depth:*** 20.11
***Water Found Depth UOM:*** m

***Water Details***

***Water ID:*** 934050674
***Layer:*** 2
***Kind Code:***
***Kind:***
***Water Found Depth:*** 22.55
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 11306135
***Diameter:*** 15.23
***Depth From:*** 0
***Depth To:*** 24.99
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| WWIS | 13 | 1 of 1 | NNE/69.2 | 94.9 / -1.00 | ON |

| | | | |
|---|---|---|---|
| **Well ID:** | 1510852 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 9/28/1970 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1558 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10032855 | **Elevation:** | 95.858818 |
| **DP2BR:** | 15 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434240.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003602 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 8/3/1970 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931015976 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 13 |
| **Other Materials:** | BOULDERS |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 15 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931015977 |

| | |
|---|---|
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 15 |
| ***Formation End Depth:*** | 69 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10581425 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930058264 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 69 |
| ***Casing Diameter:*** | |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930058263 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 21 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991510852 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 11 |
| ***Final Level After Pumping:*** | 35 |
| ***Recommended Pump Depth:*** | 55 |
| ***Pumping Rate:*** | 12 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |

| | |
|---|---|
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 2 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934097409 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 15 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934641720 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 29 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934899062 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 35 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934380144 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 23 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933465881 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 67 |
| ***Water Found Depth UOM:*** | ft |

---

***WWIS*** **15** ***1 of 1*** ***ESE/18.5*** ***95.9 / 0.00*** ***lot 23 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1532281 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 9/20/2001 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1119 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 234302 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |

| | | | |
|---|---|---|---|
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10516731 | **Elevation:** | 96.990203 |
| **DP2BR:** | 28 | **Elevrc:** | |
| **Spatial Status:** | Improved | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434339 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003303 |
| **Open Hole:** | | **Org CS:** | N83 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 8/1/2001 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | 1999-2004 MOE Water Well Data Improvement Project | | |
| **Improvement Location Method:** | GIS10000 | | |
| **Source Revision Comment:** | Northing and/or Easting field has been changed. Location estimated from sketch map. | | |
| **Supplier Comment:** | Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000. | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932832361 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 28 |
| **Formation End Depth:** | 63 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932832360 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 28 |
| **Most Common Material:** | SAND |
| **Mat2:** | 11 |
| **Other Materials:** | GRAVEL |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 28 |
| **Formation End Depth UOM:** | ft |

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933219731
***Layer:*** 1
***Plug From:*** 2
***Plug To:*** 33
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 11065301
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930094518
***Layer:*** 2
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930094517
***Layer:*** 1
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 8
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930094519
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991532281 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 13 |
| ***Final Level After Pumping:*** | 50 |
| ***Recommended Pump Depth:*** | 50 |
| ***Pumping Rate:*** | 25 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 25 |
| ***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:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934917288 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 13 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934116266 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 13 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934399880 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 13 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934660402 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 13 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 934008451 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 50 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 934008453 |

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

**Layer:** 3
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 55
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 934008452
**Layer:** 2
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 53
**Water Found Depth UOM:** ft

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**WWIS** **16** **1 of 1** **NNE/27.5** **94.9 / -1.00** **ON**

**Well ID:** 1515285
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 4/13/1976
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 1558
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10037242
**DP2BR:** 15
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 3/23/1976
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 95.583572
**Elevrc:**
**Zone:** 18
**East83:** 434201.6
**North83:** 5003617
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931028765
**Layer:** 1
**Color:** 6

***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 77
***Other Materials:*** LOOSE
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 2
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931028768
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15
***Formation End Depth:*** 115
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931028766
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:*** 77
***Other Materials:*** LOOSE
***Formation Top Depth:*** 2
***Formation End Depth:*** 10
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931028767
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 79
***Other Materials:*** PACKED
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 10
***Formation End Depth:*** 15
***Formation End Depth UOM:*** ft

***Method of Construction & Well***

***Use***

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

***Pipe Information***

***Pipe ID:*** 10585812
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930065765
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930065766
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 115
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991515285
***Pump Set At:***
***Static Level:*** 15
***Final Level After Pumping:*** 75
***Recommended Pump Depth:*** 100
***Pumping Rate:*** 9
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934100094
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 75

***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934376433
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 75
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934646310
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 75
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934895436
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 75
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933471340
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 113
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933471339
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 65
***Water Found Depth UOM:*** ft

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***WWIS*** **17** ***1 of 1*** ***NE/87.9*** ***94.9 / -1.00*** ***ON***

***Well ID:*** 1510076
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:*** 0
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:***
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 6/13/1969
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1503
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE
***Site Info:***
***Lot:***
***Concession:***
***Concession Name:***

***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032107 | ***Elevation:*** | 96.002433 |
| ***DP2BR:*** | 18 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434260.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003602 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 5/16/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013830 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 7 |
| ***Formation End Depth:*** | 12 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013832 |
| ***Layer:*** | 4 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 18 |
| ***Formation End Depth:*** | 54 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013831 |
| ***Layer:*** | 3 |

***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 12
***Formation End Depth:*** 18
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013829
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 09
***Most Common Material:*** MEDIUM SAND
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 7
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580677
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056833
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 54
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056832
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***

| | |
|---|---|
| ***Depth To:*** | 22 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991510076 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 20 |
| ***Final Level After Pumping:*** | 38 |
| ***Recommended Pump Depth:*** | 40 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933465013 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 53 |
| ***Water Found Depth UOM:*** | ft |

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***WWIS*** **18** ***1 of 1*** ***E/82.5*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509982 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 4/2/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032014 | ***Elevation:*** | 96.806503 |
| ***DP2BR:*** | 9 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434380.6 |

| | | | |
|---|---|---|---|
| **Code OB Desc:** | Bedrock | **North83:** | 5003432 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 1/11/1969 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931013562 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 14 |
| **Most Common Material:** | HARDPAN |
| **Mat2:** | 13 |
| **Other Materials:** | BOULDERS |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 9 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931013563 |
| **Layer:** | 2 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 9 |
| **Formation End Depth:** | 58 |
| **Formation End Depth UOM:** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| **Method Construction ID:** | |
| **Method Construction Code:** | 1 |
| **Method Construction:** | Cable Tool |
| **Other Method Construction:** | |

***Pipe Information***

| | |
|---|---|
| **Pipe ID:** | 10580584 |
| **Casing No:** | 1 |
| **Comment:** | |
| **Alt Name:** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056649 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 18 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056650 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 58 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509982 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 8 |
| ***Final Level After Pumping:*** | 20 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464902 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 57 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** **19** ***1 of 1*** ***SE/13.9*** ***95.9 / 0.00*** ***lot 22 con 3 RICHMOND ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1534958 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 9/10/2004 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1558 |
| ***Casing Material:*** | | ***Form Version:*** | 3 |
| ***Audit No:*** | Z13672 | ***Owner:*** | |
| ***Tag:*** | A006954 | ***Street Name:*** | OTTAWA CARLTON LOT 7, OTTAWA STREET |

| | | | |
|---|---|---|---|
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 11172710 | **Elevation:** | 96.922691 |
| **DP2BR:** | 26 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434311 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003249 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 6/17/2004 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932968578 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | 74 |
| **Other Materials:** | LAYERED |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 7.92 |
| **Formation End Depth:** | 39.62 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932968576 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 12 |
| **Other Materials:** | STONES |
| **Mat3:** | 79 |
| **Other Materials:** | PACKED |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 3.96 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932968577 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | 79 |
| ***Other Materials:*** | PACKED |
| ***Formation Top Depth:*** | 3.96 |
| ***Formation End Depth:*** | 7.92 |
| ***Formation End Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 4 |
| ***Method Construction:*** | Rotary (Air) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 11181229 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930842929 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | -0.45 |
| ***Depth To:*** | 8.53 |
| ***Casing Diameter:*** | 15.86 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930842930 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | 8.53 |
| ***Depth To:*** | 289.62 |
| ***Casing Diameter:*** | |
| ***Casing Diameter UOM:*** | |
| ***Casing Depth UOM:*** | m |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 11189602 |
| ***Pump Set At:*** | 30.48 |
| ***Static Level:*** | 2.01 |
| ***Final Level After Pumping:*** | 9.81 |

**Recommended Pump Depth:** 22.85
**Pumping Rate:** 36.4
**Flowing Rate:**
**Recommended Pump Rate:** 36.4
**Levels UOM:** m
**Rate UOM:** LPM
**Water State After Test Code:** 1
**Water State After Test:** CLEAR
**Pumping Test Method:** 1
**Pumping Duration HR:** 1
**Pumping Duration MIN:**
**Flowing:**

***Draw Down & Recovery***

**Pump Test Detail ID:** 11258667
**Test Type:** Draw Down
**Test Duration:** 2
**Test Level:** 4.83
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 11258675
**Test Type:** Draw Down
**Test Duration:** 10
**Test Level:** 7.64
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 11258679
**Test Type:** Draw Down
**Test Duration:** 20
**Test Level:** 8.85
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 11258681
**Test Type:** Draw Down
**Test Duration:** 25
**Test Level:** 9.11
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 11258688
**Test Type:** Recovery
**Test Duration:** 50
**Test Level:** 2.14
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 11258690
**Test Type:** Recovery
**Test Duration:** 60
**Test Level:** 2.13
**Test Level UOM:** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258665
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 4.09
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258685
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 9.57
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258672
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 4.14
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258676
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 2.39
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258678
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 2.22
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258686
***Test Type:*** Recovery
***Test Duration:*** 40
***Test Level:*** 2.14
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258673
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 6.27
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258680
***Test Type:*** Recovery
***Test Duration:*** 20

***Test Level:*** 2.18
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258669
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 5.42
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258670
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 5.05
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258671
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 5.99
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258677
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 8.38
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258682
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 2.1
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258666
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 7.66
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258674
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 3.68
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258684
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 2.15
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258687
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 9.7
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258668
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 6
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258683
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 9.3
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11258689
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 9.81
***Test Level UOM:*** m

***Water Details***

***Water ID:*** 934050400
***Layer:*** 1
***Kind Code:***
***Kind:***
***Water Found Depth:*** 37.79
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 11305799
***Diameter:*** 22.75
***Depth From:*** 0
***Depth To:*** 8.53
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

***Hole Diameter***

***Hole ID:*** 11305798
***Diameter:*** 15.23

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

| | |
|---|---|
| **Depth From:** | 8.53 |
| **Depth To:** | 39.62 |
| **Hole Depth UOM:** | m |
| **Hole Diameter UOM:** | cm |

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|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Well ID:** | 1534653 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Domestic | **Date Received:** | 6/7/2004 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 3 |
| **Audit No:** | Z04931 | **Owner:** | |
| **Tag:** | A004840 | **Street Name:** | 6291 OTTAWA ST |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | LOT112 PLAN4R16175 |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 11104919 | **Elevation:** | 97.106201 |
| **DP2BR:** | 17 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434362 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003298 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 5 |
| **Date Completed:** | 5/11/2004 | **UTMRC Desc:** | margin of error : 100 m - 300 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932955281 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 11 |
| **Other Materials:** | GRAVEL |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 5.18 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932955282
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 5.18
***Formation End Depth:*** 30.5
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933248760
***Layer:*** 1
***Plug From:*** 6.1
***Plug To:*** 0
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 11109439
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930837451
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** 0
***Depth To:*** 6.7
***Casing Diameter:*** 15.88
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Casing***

***Casing ID:*** 930837452
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:*** 6.1
***Depth To:*** 30.5
***Casing Diameter:***

| | |
|---|---|
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 11117430 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 2.66 |
| ***Final Level After Pumping:*** | 15.9 |
| ***Recommended Pump Depth:*** | 24.4 |
| ***Pumping Rate:*** | 68.25 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 68.25 |
| ***Levels UOM:*** | m |
| ***Rate UOM:*** | LPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 11125247 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 40 |
| ***Test Level:*** | 15.69 |
| ***Test Level UOM:*** | m |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 11125250 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 1 |
| ***Test Level:*** | 11.64 |
| ***Test Level UOM:*** | m |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 11125258 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 25 |
| ***Test Level:*** | 2.69 |
| ***Test Level UOM:*** | m |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 11125260 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 40 |
| ***Test Level:*** | 2.68 |
| ***Test Level UOM:*** | m |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 11125262 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 2.67 |
| ***Test Level UOM:*** | m |

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125240
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 9.15
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125242
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 12.82
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125248
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 15.82
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125236
***Test Type:*** Recovery
***Test Duration:*** 0
***Test Level:*** 15.9
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125244
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 14.77
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125245
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 15.19
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125251
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 9.32
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125252
***Test Type:*** Recovery

***Test Duration:*** 3
***Test Level:*** 7.45
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125257
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 2.7
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125237
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 5.61
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125239
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 8.23
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125259
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 2.68
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125241
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 10
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125243
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 14.07
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125249
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 15.9
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125254
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 4.61
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125255
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 2.8
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125261
***Test Type:*** Recovery
***Test Duration:*** 50
***Test Level:*** 2.67
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125235
***Test Type:*** Draw Down
***Test Duration:*** 0
***Test Level:*** 2.66
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125238
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 7.03
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125246
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 15.45
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125253
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 5.56
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11125256
***Test Type:*** Recovery
***Test Duration:*** 15

**Test Level:** 2.71
**Test Level UOM:** m

***Water Details***

**Water ID:** 934046457
**Layer:** 2
**Kind Code:** 5
**Kind:** Not stated
**Water Found Depth:** 29
**Water Found Depth UOM:** m

***Water Details***

**Water ID:** 934046456
**Layer:** 1
**Kind Code:** 5
**Kind:** Not stated
**Water Found Depth:** 28
**Water Found Depth UOM:** m

***Hole Diameter***

**Hole ID:** 11109438
**Diameter:** 15.55
**Depth From:** 0
**Depth To:** 30.5
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

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***WWIS*** 22 | ***1 of 1*** | ***E/87.5*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON***

**Well ID:** 1509723
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 1/8/1969
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 1503
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE (GOULBOURN)
**Site Info:**
**Lot:** 023
**Concession:** 03
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10031755
**DP2BR:** 10
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**

**Elevation:** 97.170249
**Elevrc:**
**Zone:** 18
**East83:** 434400.6
**North83:** 5003417
**Org CS:**
**UTMRC:** 4

**Date Completed:** 12/4/1968
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931012891
**Layer:** 1
**Color:**
**General Color:**
**Mat1:** 14
**Most Common Material:** HARDPAN
**Mat2:** 13
**Other Materials:** BOULDERS
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 10
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931012892
**Layer:** 2
**Color:**
**General Color:**
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 10
**Formation End Depth:** 62
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10580325
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930056146
**Layer:** 1
**Material:** 1

| | |
|---|---|
| **Open Hole or Material:** | STEEL |
| **Depth From:** | |
| **Depth To:** | 18 |
| **Casing Diameter:** | 5 |
| **Casing Diameter UOM:** | inch |
| **Casing Depth UOM:** | ft |

***Construction Record - Casing***

| | |
|---|---|
| **Casing ID:** | 930056147 |
| **Layer:** | 2 |
| **Material:** | 4 |
| **Open Hole or Material:** | OPEN HOLE |
| **Depth From:** | |
| **Depth To:** | 62 |
| **Casing Diameter:** | 5 |
| **Casing Diameter UOM:** | inch |
| **Casing Depth UOM:** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| **Pump Test ID:** | 991509723 |
| **Pump Set At:** | |
| **Static Level:** | 6 |
| **Final Level After Pumping:** | 15 |
| **Recommended Pump Depth:** | 30 |
| **Pumping Rate:** | 10 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 5 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 2 |
| **Water State After Test:** | CLOUDY |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933464615 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 60 |
| **Water Found Depth UOM:** | ft |

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***WWIS*** **23** ***1 of 1*** ***NNE/47.6*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1515286 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 4/13/1976 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1558 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |

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

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10037243 | ***Elevation:*** | 96.080116 |
| ***DP2BR:*** | 8 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434223.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003640 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 3/24/1976 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931028771 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 8 |
| ***Formation End Depth:*** | 125 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931028770 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 2 |
| ***Formation End Depth:*** | 8 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931028769
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:*** 77
***Other Materials:*** LOOSE
***Formation Top Depth:*** 0
***Formation End Depth:*** 2
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10585813
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930065768
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 125
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930065767
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991515286
***Pump Set At:***
***Static Level:*** 10
***Final Level After Pumping:*** 25
***Recommended Pump Depth:*** 30
***Pumping Rate:*** 12
***Flowing Rate:***
***Recommended Pump Rate:*** 5

| | |
|---|---|
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934376434 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934895437 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934100095 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934646311 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 25 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933471342 |
| ***Layer:*** | 2 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 124 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933471341 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 45 |
| ***Water Found Depth UOM:*** | ft |

| | | | | | |
|---|---|---|---|---|---|
| ***WWIS*** | ***24*** | ***1 of 1*** | ***NNE/81.8*** | ***94.9 / -1.00*** | ***lot 25 con 3 RICHMOND ON*** |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7219590 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 4/28/2014 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1119 |
| ***Casing Material:*** | | ***Form Version:*** | 7 |
| ***Audit No:*** | Z166831 | ***Owner:*** | |
| ***Tag:*** | A135385 | ***Street Name:*** | 38 DOCTOR NEELIN DRIVE |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | GOULBOURN TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | S/L 48 |
| ***Depth to Bedrock:*** | | ***Lot:*** | 025 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1004734121 | ***Elevation:*** | 95.800079 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 434259 |
| ***Code OB Desc:*** | | ***North83:*** | 5003629 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 3/5/2014 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005129787 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 47 |
| ***Formation End Depth:*** | 128 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005129785 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |

***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 41
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005129786
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 41
***Formation End Depth:*** 47
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005129788
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 18
***Other Materials:*** SANDSTONE
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 128
***Formation End Depth:*** 192
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005129789
***Layer:*** 5
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 18
***Most Common Material:*** SANDSTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 192
***Formation End Depth:*** 251
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 1005129790
**Layer:** 6
**Color:** 2
**General Color:** GREY
**Mat1:** 18
**Most Common Material:** SANDSTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 251
**Formation End Depth:** 260
**Formation End Depth UOM:** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1005129826
**Layer:** 2
**Plug From:** 48
**Plug To:** 0
**Plug Depth UOM:** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1005129825
**Layer:** 1
**Plug From:** 58
**Plug To:** 48
**Plug Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 1005129783
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1005129794
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:** -2
**Depth To:** 58
**Casing Diameter:** 6.25
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005129795 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | 58 |
| ***Depth To:*** | 260 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005129796 |
| ***Layer:*** | |
| ***Slot:*** | |
| ***Screen Top Depth:*** | |
| ***Screen End Depth:*** | |
| ***Screen Material:*** | |
| ***Screen Depth UOM:*** | ft |
| ***Screen Diameter UOM:*** | inch |
| ***Screen Diameter:*** | |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 1005129784 |
| ***Pump Set At:*** | 250 |
| ***Static Level:*** | 12.67 |
| ***Final Level After Pumping:*** | 44.33 |
| ***Recommended Pump Depth:*** | 140 |
| ***Pumping Rate:*** | 20 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 20 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 0 |
| ***Water State After Test:*** | |
| ***Pumping Test Method:*** | 0 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | |
| ***Flowing:*** | |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005129797 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 1 |
| ***Test Level:*** | 18.333 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005129799 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 2 |
| ***Test Level:*** | 20.5 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005129808 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 10 |
| ***Test Level:*** | 12.667 |

***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129809
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 36.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129815
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 43.583
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129816
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 12.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129817
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 44
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129818
***Test Type:*** Recovery
***Test Duration:*** 40
***Test Level:*** 12.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129803
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 28.5
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129812
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 12.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129813
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 42.5
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129819
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 44.167
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129820
***Test Type:*** Recovery
***Test Duration:*** 50
***Test Level:*** 12.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129822
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 12.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129798
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 31.583
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129800
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 26.333
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129801
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 22.333
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129804
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 17.333
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129807
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 32.5
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129821
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 44.333
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129805
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 28.75
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129811
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 40.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129802
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 21.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129814
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 12.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129806
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 14.583
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005129810

| | |
|---|---|
| **Test Type:** | Recovery |
| **Test Duration:** | 15 |
| **Test Level:** | 12.667 |
| **Test Level UOM:** | ft |

***Water Details***

| | |
|---|---|
| **Water ID:** | 1005129793 |
| **Layer:** | 1 |
| **Kind Code:** | 8 |
| **Kind:** | Untested |
| **Water Found Depth:** | 251 |
| **Water Found Depth UOM:** | ft |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1005129791 |
| **Diameter:** | 9.75 |
| **Depth From:** | 0 |
| **Depth To:** | 58 |
| **Hole Depth UOM:** | ft |
| **Hole Diameter UOM:** | inch |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1005129792 |
| **Diameter:** | 6 |
| **Depth From:** | 58 |
| **Depth To:** | 260 |
| **Hole Depth UOM:** | ft |
| **Hole Diameter UOM:** | inch |

---

***WWIS*** **25** ***1 of 1*** ***E/81.7*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1509727 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 1/8/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10031759 | **Elevation:** | 97.308517 |
| **DP2BR:** | 6 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434410.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003397 |

**Open Hole:**
**Cluster Kind:**
**Date Completed:** 11/14/1968
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931012899
**Layer:** 1
**Color:**
**General Color:**
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:** 09
**Other Materials:** MEDIUM SAND
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 6
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931012900
**Layer:** 2
**Color:**
**General Color:**
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 6
**Formation End Depth:** 63
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10580329
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930056155

| | |
|---|---|
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 63 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056154 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 20 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509727 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 4 |
| ***Final Level After Pumping:*** | 6 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464619 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 62 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** **26** ***1 of 1*** ***SE/18.6*** ***95.9 / 0.00*** ***lot 21 con 2 RICHMOND ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7112986 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 10/14/2008 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1558 |
| ***Casing Material:*** | | ***Form Version:*** | 4 |
| ***Audit No:*** | Z77377 | ***Owner:*** | |
| ***Tag:*** | A051525 | ***Street Name:*** | 6306 OTTAWA ST. |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | GOULBOURN TOWNSHIP |

| | | | |
|---|---|---|---|
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 021 |
| ***Well Depth:*** | | ***Concession:*** | 02 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1001836012 | ***Elevation:*** | 96.935966 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 434316 |
| ***Code OB Desc:*** | | ***North83:*** | 5003216 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 3 |
| ***Date Completed:*** | 6/16/2008 | ***UTMRC Desc:*** | margin of error : 10 - 30 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1001846118 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 79 |
| ***Other Materials:*** | PACKED |
| ***Formation Top Depth:*** | 1.21 |
| ***Formation End Depth:*** | 3.35 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1001846119 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 79 |
| ***Other Materials:*** | PACKED |
| ***Formation Top Depth:*** | 3.35 |
| ***Formation End Depth:*** | 7.61 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock***

***Materials Interval***

***Formation ID:*** 1001846117
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 02
***Most Common Material:*** TOPSOIL
***Mat2:*** 81
***Other Materials:*** SANDY
***Mat3:*** 77
***Other Materials:*** LOOSE
***Formation Top Depth:*** 0
***Formation End Depth:*** 1.21
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1001846120
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Mat3:*** 79
***Other Materials:*** PACKED
***Formation Top Depth:*** 7.61
***Formation End Depth:*** 37.48
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1001846122
***Layer:*** 1
***Plug From:*** 8.68
***Plug To:*** 0
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:***
***Method Construction Code:*** 4
***Method Construction:*** Rotary (Air)
***Other Method Construction:*** AIR PERC.

***Pipe Information***

***Pipe ID:*** 1001846115
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1001846125
***Layer:***
***Material:*** 1
***Open Hole or Material:*** STEEL

***Depth From:***
***Depth To:*** -0.45
***Casing Diameter:*** 15.86
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1001846126
***Layer:***
***Slot:***
***Screen Top Depth:***
***Screen End Depth:***
***Screen Material:***
***Screen Depth UOM:***
***Screen Diameter UOM:***
***Screen Diameter:***

***Results of Well Yield Testing***

***Pump Test ID:*** 1001846116
***Pump Set At:*** 30.47
***Static Level:*** 1.23
***Final Level After Pumping:*** 26.88
***Recommended Pump Depth:*** 30.47
***Pumping Rate:*** 54.6
***Flowing Rate:***
***Recommended Pump Rate:*** 45.5
***Levels UOM:*** m
***Rate UOM:*** LPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 4
***Pumping Duration HR:*** 1
***Pumping Duration MIN:***
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846135
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 9.05
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846142
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 2.53
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846143
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 20.95
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846131
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 6.64
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846129
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 5.48
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846145
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 22.46
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846147
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 24.3
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846136
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 15.52
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846144
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 1.76
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846128
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 23.57
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846141
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 19.09

***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846146
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 1.2
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846127
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 3.5
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846133
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 8.01
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846148
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 26.01
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846149
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 26.88
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846130
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 21.29
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846132
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 19.36
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846134
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 17.4
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846137
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 13.54
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846138
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 8.7
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846139
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 16.67
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1001846140
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 4.64
***Test Level UOM:*** m

***Water Details***

***Water ID:*** 1001846123
***Layer:*** 1
***Kind Code:*** 5
***Kind:*** Not stated
***Water Found Depth:*** 34.44
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 1001846121
***Diameter:*** 15.23
***Depth From:***
***Depth To:*** 37.48
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

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***WWIS*** | ***27*** | ***1 of 1*** | ***ESE/45.3*** | ***95.9 / 0.00*** | ***lot 22 con 3 RICHMOND ON***

***Well ID:*** 7040884
***Construction Date:***
***Data Entry Status:***
***Data Src:***

| | | | |
|---|---|---|---|
| **Primary Water Use:** | Domestic | **Date Received:** | 2/12/2007 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 3 |
| **Audit No:** | Z55540 | **Owner:** | |
| **Tag:** | A043579 | **Street Name:** | 6300 OTTAWA STREET |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | PLAN 4D-23 PART 1 |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 11763320 | **Elevation:** | 97.025764 |
| **DP2BR:** | 22 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434353 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003239 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 11/21/2006 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 933092074 |
| **Layer:** | 2 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 6.71 |
| **Formation End Depth:** | 36.57 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 933092073 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 28 |
| **Most Common Material:** | SAND |
| **Mat2:** | 11 |

**Other Materials:** GRAVEL
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 6.71
**Formation End Depth UOM:** m

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 933314136
**Layer:** 1
**Plug From:** 8.84
**Plug To:** 5.79
**Plug Depth UOM:** m

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 933314137
**Layer:** 2
**Plug From:** 5.79
**Plug To:** 0
**Plug Depth UOM:** m

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 11771010
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930895974
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:** 0
**Depth To:** 9.45
**Casing Diameter:** 15.88
**Casing Diameter UOM:** cm
**Casing Depth UOM:** m

***Construction Record - Casing***

**Casing ID:** 930895975
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:** 8.84
**Depth To:** 36.57
**Casing Diameter:**
**Casing Diameter UOM:** cm

***Casing Depth UOM:*** m

***Results of Well Yield Testing***

***Pump Test ID:*** 11777315
***Pump Set At:*** 33.53
***Static Level:*** 0.85
***Final Level After Pumping:*** 33.84
***Recommended Pump Depth:*** 33.53
***Pumping Rate:*** 26.5
***Flowing Rate:***
***Recommended Pump Rate:*** 26.5
***Levels UOM:*** m
***Rate UOM:*** LPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:***

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817302
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 25.8
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817307
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 9.04
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817308
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 21.7
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817424
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 6.6
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817427
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 30.07
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817312
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 10.9
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817430
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 32.57
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817300
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 28.92
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817301
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 5.1
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817303
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 6.54
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817429
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 31.32
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817313
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 24.4
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817431
***Test Type:*** Draw Down
***Test Duration:*** 60

***Test Level:*** 33.84
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817306
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 23
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817309
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 14.8
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817428
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 0.85
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817426
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 2.41
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817299
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 3.7
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817305
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 7.8
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817311
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 14.6
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817425
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 27.23
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817304
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 24.5
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 11817310
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 16.3
***Test Level UOM:*** m

***Water Details***

***Water ID:*** 934084148
***Layer:*** 1
***Kind Code:***
***Kind:***
***Water Found Depth:*** 34.14
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 11849496
***Diameter:*** 15.23
***Depth From:*** 0
***Depth To:*** 36.57
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

---

***WWIS*** **28** ***1 of 1*** ***E/80.3*** ***94.9 / -1.00*** ***ON***

***Well ID:*** 1509277
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:*** 0
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:***
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 12/3/1963
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1503
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE
***Site Info:***
***Lot:***
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

**Clear/Cloudy:**

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10031310 | **Elevation:** | 97.172584 |
| **DP2BR:** | 19 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434420.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003382 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 5 |
| **Date Completed:** | 10/23/1963 | **UTMRC Desc:** | margin of error : 100 m - 300 m |
| **Remarks:** | | **Location Method:** | p5 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931011825 |
| **Layer:** | 2 |
| **Color:** | 3 |
| **General Color:** | BLUE |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 19 |
| **Formation End Depth:** | 58 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931011824 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | 13 |
| **Other Materials:** | BOULDERS |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 19 |
| **Formation End Depth UOM:** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| **Method Construction ID:** | |
| **Method Construction Code:** | 1 |
| **Method Construction:** | Cable Tool |
| **Other Method Construction:** | |

***Pipe Information***

**Pipe ID:** 10579880
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930055272
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 58
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930055271
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 23
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

**Pump Test ID:** 991509277
**Pump Set At:**
**Static Level:** 5
**Final Level After Pumping:** 10
**Recommended Pump Depth:** 30
**Pumping Rate:** 10
**Flowing Rate:**
**Recommended Pump Rate:** 10
**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:** N

***Water Details***

**Water ID:** 933464094
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 40
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933464095
**Layer:** 2
**Kind Code:** 1

**Kind:** FRESH
**Water Found Depth:** 57
**Water Found Depth UOM:** ft

---

**WWIS** 30 *1 of 2* *E/111.8* *94.9 / -1.00* *lot 22 con 3 ON*

**Well ID:** 1518709
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 11/8/1983
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 3644
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:** 022
**Concession:** 03
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10040579
**DP2BR:** 15
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 10/28/1983
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 97.108596
**Elevrc:**
**Zone:** 18
**East83:** 434429.6
**North83:** 5003421
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931039297
**Layer:** 1
**Color:** 2
**General Color:** GREY
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:** 12
**Other Materials:** STONES
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 15
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931039298
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15
***Formation End Depth:*** 84
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10589149
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930070848
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 84
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930070847
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 21
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991518709
***Pump Set At:***
***Static Level:*** 7
***Final Level After Pumping:*** 30
***Recommended Pump Depth:*** 30

| | |
|---|---|
| ***Pumping Rate:*** | 20 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 10 |
| ***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:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934650426 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934380026 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934899546 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934104021 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933475489 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 79 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** **30** ***2 of 2*** ***E/111.8*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1519027 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 7/3/1984 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |

| | | | |
|---|---|---|---|
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10040897 | ***Elevation:*** | 97.108596 |
| ***DP2BR:*** | 19 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434429.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003421 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 5/2/1984 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931040364 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 12 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931040365 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 12 |

***Formation End Depth:*** 19
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931040366
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 19
***Formation End Depth:*** 84
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10589467
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930071394
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991519027
***Pump Set At:***
***Static Level:*** 8
***Final Level After Pumping:*** 30
***Recommended Pump Depth:*** 30
***Pumping Rate:*** 20
***Flowing Rate:***
***Recommended Pump Rate:*** 6
***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:** N

***Draw Down & Recovery***

**Pump Test Detail ID:** 934106428
**Test Type:** Draw Down
**Test Duration:** 15
**Test Level:** 30
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934651568
**Test Type:** Draw Down
**Test Duration:** 45
**Test Level:** 30
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934900680
**Test Type:** Draw Down
**Test Duration:** 60
**Test Level:** 30
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934381588
**Test Type:** Draw Down
**Test Duration:** 30
**Test Level:** 30
**Test Level UOM:** ft

***Water Details***

**Water ID:** 933475893
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 81
**Water Found Depth UOM:** ft

---

***WWIS*** **31** ***1 of 3*** ***ESE/79.0*** ***95.6 / -0.31*** ***lot 22 con 3 ON***

**Well ID:** 1517855
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 7/8/1982
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 3644
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:** 022
**Concession:** 03
**Concession Name:** CON

***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10039727 | ***Elevation:*** | 97.186203 |
| ***DP2BR:*** | 25 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434429.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003321 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 6/4/1982 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931036553 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 8 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931036556 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 25 |
| ***Formation End Depth:*** | 125 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931036555 |
| ***Layer:*** | 3 |

***Color:*** 2
***General Color:*** GREY
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15
***Formation End Depth:*** 25
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931036554
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 8
***Formation End Depth:*** 15
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10588297
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069409
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 27
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991517855
***Pump Set At:***
***Static Level:*** 8
***Final Level After Pumping:*** 30
***Recommended Pump Depth:*** 30

| | |
|---|---|
| ***Pumping Rate:*** | 15 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 10 |
| ***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:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934646934 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934103061 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934896207 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934376680 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933474430 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 120 |
| ***Water Found Depth UOM:*** | ft |

---

***WWIS*** **31** ***2 of 3*** ***ESE/79.0*** ***95.6 / -0.31*** ***lot 22 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1518067 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/11/1983 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |

| | | | |
|---|---|---|---|
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10039938 | ***Elevation:*** | 97.186203 |
| ***DP2BR:*** | 27 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434429.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003321 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 9/9/1982 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931037247 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 23 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931037248 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 23 |

***Formation End Depth:*** 27
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931037249
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 27
***Formation End Depth:*** 125
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10588508
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069763
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 30
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991518067
***Pump Set At:***
***Static Level:*** 6
***Final Level After Pumping:*** 80
***Recommended Pump Depth:*** 80
***Pumping Rate:*** 7
***Flowing Rate:***
***Recommended Pump Rate:*** 7
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1

***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934647557
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 80
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934377723
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 80
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934103392
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 80
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934897248
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 80
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933474698
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 80
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933474699
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 120
***Water Found Depth UOM:*** ft

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***WWIS*** | 31 | ***3 of 3*** | ***ESE/79.0*** | ***95.6 / -0.31*** | ***lot 22 con 3 ON***

***Well ID:*** 1518068
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:*** 0
***Final Well Status:*** Water Supply

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 1/11/1983
***Selected Flag:*** Yes
***Abandonment Rec:***

| | | | |
|---|---|---|---|
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10039939 | ***Elevation:*** | 97.186203 |
| ***DP2BR:*** | 24 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434429.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003321 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 11/9/1982 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931037251 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 12 |
| ***Formation End Depth:*** | 24 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931037252 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |

**Formation Top Depth:** 24
**Formation End Depth:** 125
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931037250
**Layer:** 1
**Color:** 2
**General Color:** GREY
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 12
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10588509
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930069764
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 26
**Casing Diameter:** 6
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930069765
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 125
**Casing Diameter:** 6
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991518068 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 3 |
| ***Final Level After Pumping:*** | 100 |
| ***Recommended Pump Depth:*** | 100 |
| ***Pumping Rate:*** | 5 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934377724 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 100 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934897249 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 100 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934647558 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 100 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934103393 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 100 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933474700 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 100 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933474701 |
| ***Layer:*** | 2 |

**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 120
**Water Found Depth UOM:** ft

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**WWIS** 33 | **1 of 1** | **NE/137.3** | **94.9 / -1.00** | **lot 23 con 3 ON**

**Well ID:** 1509730
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 1/8/1969
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 1503
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE (GOULBOURN)
**Site Info:**
**Lot:** 023
**Concession:** 03
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10031762
**DP2BR:** 10
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 11/1/1968
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 95.727043
**Elevrc:**
**Zone:** 18
**East83:** 434310.6
**North83:** 5003662
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931012906
**Layer:** 2
**Color:**
**General Color:**
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 10
**Formation End Depth:** 53
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012905
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 10
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580332
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056160
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 20
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056161
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 53
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509730
***Pump Set At:***
***Static Level:*** 12
***Final Level After Pumping:*** 21

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

| | |
|---|---|
| **Recommended Pump Depth:** | 30 |
| **Pumping Rate:** | 10 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 5 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 2 |
| **Water State After Test:** | CLOUDY |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933464622 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 52 |
| **Water Found Depth UOM:** | ft |

---

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| WWIS | 34 | 1 of 1 | NE/178.6 | 94.9 / -1.00 | lot 23 con 3 ON |

| | | | |
|---|---|---|---|
| **Well ID:** | 1509726 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 1/8/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10031758 | **Elevation:** | 95.884582 |
| **DP2BR:** | 15 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434355.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003637 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 11/18/1968 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012898
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15
***Formation End Depth:*** 61
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012897
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 09
***Other Materials:*** MEDIUM SAND
***Mat3:*** 13
***Other Materials:*** BOULDERS
***Formation Top Depth:*** 0
***Formation End Depth:*** 15
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580328
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056152
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 20
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056153 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 61 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509726 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 18 |
| ***Final Level After Pumping:*** | 28 |
| ***Recommended Pump Depth:*** | 35 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464618 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 60 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** **35** ***1 of 1*** ***NE/203.8*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509605 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/8/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10031637 | ***Elevation:*** | 95.843788 |
| ***DP2BR:*** | 15 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434380.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003617 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 11/21/1968 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012551 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 15 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012552 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 15 |
| ***Formation End Depth:*** | 62 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10580207 |

***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930055919
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 62
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930055918
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 19
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509605
***Pump Set At:***
***Static Level:***
***Final Level After Pumping:***
***Recommended Pump Depth:***
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:***
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:***
***Water State After Test:***
***Pumping Test Method:*** 1
***Pumping Duration HR:***
***Pumping Duration MIN:***
***Flowing:*** N

***Water Details***

***Water ID:*** 933464481
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 60
***Water Found Depth UOM:*** ft

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| WWIS | 36 | 1 of 1 | NE/151.2 | 94.9 / -1.00 | ON |

***Well ID:*** 1515320
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:*** 0
***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 5/6/1976
***Selected Flag:*** Yes

| | | | |
|---|---|---|---|
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10037277 | ***Elevation:*** | 95.704627 |
| ***DP2BR:*** | 10 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434324.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003663 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 4/27/1976 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931028872 |
| ***Layer:*** | 3 |
| ***Color:*** | 1 |
| ***General Color:*** | WHITE |
| ***Mat1:*** | 46 |
| ***Most Common Material:*** | QUARTZ |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 122 |
| ***Formation End Depth:*** | 125 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931028871 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |

***Other Materials:***
***Formation Top Depth:*** 10
***Formation End Depth:*** 122
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931028870
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 10
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10585847
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930065824
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991515320
***Pump Set At:***
***Static Level:*** 15
***Final Level After Pumping:*** 50
***Recommended Pump Depth:*** 50
***Pumping Rate:*** 8
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY

| | |
|---|---|
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934895464 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 50 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934376461 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 50 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934646337 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 50 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934100121 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 50 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933471382 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 124 |
| ***Water Found Depth UOM:*** | ft |

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| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509737 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/8/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |

| | | | |
|---|---|---|---|
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10031769 | ***Elevation:*** | 95.857307 |
| ***DP2BR:*** | 17 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434410.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003582 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 12/4/1968 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012921 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 09 |
| ***Other Materials:*** | MEDIUM SAND |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 14 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012922 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 14 |
| ***Formation End Depth:*** | 17 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012923 |
| ***Layer:*** | 3 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 17 |
| ***Formation End Depth:*** | 60 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10580339 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056175 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 60 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056174 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 20 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509737 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 1 |
| ***Final Level After Pumping:*** | 25 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |

| | |
|---|---|
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464629 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 58 |
| ***Water Found Depth UOM:*** | ft |

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| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509736 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/8/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10031768 | ***Elevation:*** | 95.723083 |
| ***DP2BR:*** | 20 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434395.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003602 |
| ***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 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012918
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 09
***Other Materials:*** MEDIUM SAND
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 15
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012919
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15
***Formation End Depth:*** 20
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012920
***Layer:*** 3
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 20
***Formation End Depth:*** 68
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580338
***Casing No:*** 1
***Comment:***
***Alt Name:***

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

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056173 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 68 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056172 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 24 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509736 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 2 |
| ***Final Level After Pumping:*** | 27 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464628 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 67 |
| ***Water Found Depth UOM:*** | ft |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| ***WWIS*** | ***40*** | ***1 of 1*** | ***ENE/199.7*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON*** |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509738 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 1/8/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |

| | | | |
|---|---|---|---|
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10031770 | **Elevation:** | 95.890945 |
| **DP2BR:** | 18 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434430.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003552 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 11/29/1968 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931012925 |
| **Layer:** | 2 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 14 |
| **Most Common Material:** | HARDPAN |
| **Mat2:** | 13 |
| **Other Materials:** | BOULDERS |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 12 |
| **Formation End Depth:** | 18 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931012924 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 12 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012926
***Layer:*** 3
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 18
***Formation End Depth:*** 60
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580340
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056177
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 60
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056176
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509738
***Pump Set At:***
***Static Level:*** 4

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

| | |
|---|---|
| **Final Level After Pumping:** | 8 |
| **Recommended Pump Depth:** | 30 |
| **Pumping Rate:** | 10 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 5 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 2 |
| **Water State After Test:** | CLOUDY |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933464630 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 58 |
| **Water Found Depth UOM:** | ft |

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***WWIS*** **41** ***1 of 1*** ***NE/174.9*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1509984 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 4/2/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10032016 | **Elevation:** | 95.704109 |
| **DP2BR:** | 16 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434350.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003652 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 1/14/1969 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013567
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 16
***Formation End Depth:*** 60
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931013566
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 16
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580586
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056653
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 20
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

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

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056654 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 60 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509984 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 8 |
| ***Final Level After Pumping:*** | 25 |
| ***Recommended Pump Depth:*** | 40 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464904 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 58 |
| ***Water Found Depth UOM:*** | ft |

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***WWIS*** **42** ***1 of 1*** ***ENE/205.5*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509985 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 4/2/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032017 | ***Elevation:*** | 95.814559 |
| ***DP2BR:*** | 23 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434460.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003527 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 1/14/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013569 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 23 |
| ***Formation End Depth:*** | 62 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931013568 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 23 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10580587 |

**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930056655
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 27
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930056656
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 62
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

**Pump Test ID:** 991509985
**Pump Set At:**
**Static Level:** 15
**Final Level After Pumping:** 20
**Recommended Pump Depth:** 30
**Pumping Rate:** 10
**Flowing Rate:**
**Recommended Pump Rate:** 5
**Levels UOM:** ft
**Rate UOM:** GPM
**Water State After Test Code:** 2
**Water State After Test:** CLOUDY
**Pumping Test Method:** 1
**Pumping Duration HR:** 1
**Pumping Duration MIN:** 0
**Flowing:** N

***Water Details***

**Water ID:** 933464905
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 61
**Water Found Depth UOM:** ft

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***WWIS*** | **43** | ***1 of 1*** | ***E/130.3*** | ***94.9 / -1.00*** | ***lot 23 con 2 ON***

**Well ID:** 1516959
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Data Entry Status:**
**Data Src:** 1
**Date Received:** 5/28/1979
**Selected Flag:** Yes

| | | | |
|---|---|---|---|
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 02 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10038846 | ***Elevation:*** | 96.800765 |
| ***DP2BR:*** | 23 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434479.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003369 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 5 |
| ***Date Completed:*** | 5/3/1979 | ***UTMRC Desc:*** | margin of error : 100 m - 300 m |
| ***Remarks:*** | | ***Location Method:*** | gis |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931033715 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 23 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931033716 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |

***Other Materials:***
***Formation Top Depth:*** 23
***Formation End Depth:*** 125
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10587416
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930068141
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991516959
***Pump Set At:***
***Static Level:*** 2
***Final Level After Pumping:*** 25
***Recommended Pump Depth:*** 25
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:*** 10
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934643595
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934102510

**Test Type:** Draw Down
**Test Duration:** 15
**Test Level:** 25
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934901078
**Test Type:** Draw Down
**Test Duration:** 60
**Test Level:** 25
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934382089
**Test Type:** Draw Down
**Test Duration:** 30
**Test Level:** 25
**Test Level UOM:** ft

***Water Details***

**Water ID:** 933473351
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 60
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933473352
**Layer:** 2
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 120
**Water Found Depth UOM:** ft

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***WWIS*** **44** ***1 of 1*** ***S/101.1*** ***95.9 / 0.00*** ***ON***

**Well ID:** 1509173
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 8/5/1958
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 4832
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10031206 | ***Elevation:*** | 96.855659 |
| ***DP2BR:*** | 14 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434200.7 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003092 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 5 |
| ***Date Completed:*** | 6/11/1958 | ***UTMRC Desc:*** | margin of error : 100 m - 300 m |
| ***Remarks:*** | | ***Location Method:*** | p5 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931011612 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 14 |
| ***Formation End Depth:*** | 104 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931011611 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 13 |
| ***Most Common Material:*** | BOULDERS |
| ***Mat2:*** | 14 |
| ***Other Materials:*** | HARDPAN |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 14 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10579776 |

**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930055062
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 104
**Casing Diameter:** 4
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930055061
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 17
**Casing Diameter:** 4
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

**Pump Test ID:** 991509173
**Pump Set At:**
**Static Level:** 22
**Final Level After Pumping:** 38
**Recommended Pump Depth:**
**Pumping Rate:** 4
**Flowing Rate:**
**Recommended Pump Rate:**
**Levels UOM:** ft
**Rate UOM:** GPM
**Water State After Test Code:** 1
**Water State After Test:** CLEAR
**Pumping Test Method:** 1
**Pumping Duration HR:** 1
**Pumping Duration MIN:** 0
**Flowing:** N

***Water Details***

**Water ID:** 933463974
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 100
**Water Found Depth UOM:** ft

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***WWIS*** | **46** | ***1 of 1*** | ***E/197.1*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON***

**Well ID:** 1509724
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Data Entry Status:**
**Data Src:** 1
**Date Received:** 1/8/1969
**Selected Flag:** Yes

| | | | |
|---|---|---|---|
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10031756 | ***Elevation:*** | 96.06884 |
| ***DP2BR:*** | 19 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434480.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003492 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 11/29/1968 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012893 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 19 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931012894 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |

***Other Materials:***
***Formation Top Depth:*** 19
***Formation End Depth:*** 56
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580326
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056149
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 56
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930056148
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 24
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509724
***Pump Set At:***
***Static Level:*** 10
***Final Level After Pumping:*** 12
***Recommended Pump Depth:*** 30
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

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

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464616 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 55 |
| ***Water Found Depth UOM:*** | ft |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| ***WWIS*** | ***47*** | ***1 of 1*** | ***ESE/114.6*** | ***95.9 / 0.00*** | ***lot 22 con 2 ON*** |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1524983 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 9/17/1990 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Test Hole | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 68466 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | 02 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10046725 | ***Elevation:*** | 97.455696 |
| ***DP2BR:*** | 1 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434416.7 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003198 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 5 |
| ***Date Completed:*** | 8/29/1990 | ***UTMRC Desc:*** | margin of error : 100 m - 300 m |
| ***Remarks:*** | | ***Location Method:*** | gis |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931059670 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |

**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 1
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931059671
**Layer:** 2
**Color:** 2
**General Color:** GREY
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 1
**Formation End Depth:** 123
**Formation End Depth UOM:** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 933110981
**Layer:** 1
**Plug From:** 0
**Plug To:** 22
**Plug Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10595295
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930081832
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 22
**Casing Diameter:** 6
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930081833
**Layer:** 2

***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 123
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991524983
***Pump Set At:***
***Static Level:*** 8
***Final Level After Pumping:*** 110
***Recommended Pump Depth:*** 110
***Pumping Rate:*** 5
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934110580
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 110
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934385988
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 110
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934904144
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 110
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934655769
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 110
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933483773

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

| | |
|---|---|
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 118 |
| **Water Found Depth UOM:** | ft |

---

**WWIS** 48 *1 of 1* *NE/233.8* *94.9 / -1.00* ***lot 22 con 3 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1515512 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 8/9/1976 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1558 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10037458 | **Elevation:** | 95.276069 |
| **DP2BR:** | 15 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434410.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003642 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 7/12/1976 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931029391 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 23 |
| **Formation End Depth:** | 73 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931029390
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 71
***Other Materials:*** FRACTURED
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15
***Formation End Depth:*** 23
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931029389
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 11
***Other Materials:*** GRAVEL
***Mat3:*** 77
***Other Materials:*** LOOSE
***Formation Top Depth:*** 0
***Formation End Depth:*** 15
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10586028
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930066086
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930066087 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 73 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991515512 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 4 |
| ***Final Level After Pumping:*** | 30 |
| ***Recommended Pump Depth:*** | 40 |
| ***Pumping Rate:*** | 15 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934896048 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934377048 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934647341 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934100980 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

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

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933471627 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 70 |
| ***Water Found Depth UOM:*** | ft |

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***WWIS*** **49** ***1 of 1*** ***ENE/241.2*** ***94.9 / -1.00*** ***lot 22 con 3 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1515513 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 8/9/1976 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1558 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | 03 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | CON |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10037459 | ***Elevation:*** | 95.46759 |
| ***DP2BR:*** | 13 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434450.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003592 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 7/12/1976 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931029392 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |

**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 13
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931029393
**Layer:** 2
**Color:** 2
**General Color:** GREY
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:** 71
**Other Materials:** FRACTURED
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 13
**Formation End Depth:** 22
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931029394
**Layer:** 3
**Color:** 2
**General Color:** GREY
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 22
**Formation End Depth:** 98
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10586029
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930066088
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 25
**Casing Diameter:** 6

***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930066089
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 98
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991515513
***Pump Set At:***
***Static Level:*** 10
***Final Level After Pumping:*** 25
***Recommended Pump Depth:*** 35
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934896049
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934377049
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934647342
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934100981
***Test Type:*** Draw Down

**Test Duration:** 15
**Test Level:** 25
**Test Level UOM:** ft

***Water Details***

**Water ID:** 933471628
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 95
**Water Found Depth UOM:** ft

---

**WWIS** | **50** | **1 of 1** | **NE/207.8** | **94.9 / -1.00** | **ON**

**Well ID:** 1514852
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 8/15/1975
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 3644
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10036821
**DP2BR:** 15
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 6/13/1975
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 95.041236
**Elevrc:**
**Zone:** 18
**East83:** 434380.6
**North83:** 5003672
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931027513
**Layer:** 1
**Color:** 2
**General Color:** GREY
**Mat1:** 05

| | |
|---|---|
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 15 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931027514 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 15 |
| ***Formation End Depth:*** | 75 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 5 |
| ***Method Construction:*** | Air Percussion |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10585391 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930065098 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 21 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991514852 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 6 |
| ***Final Level After Pumping:*** | 30 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 4 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 3 |

| | |
|---|---|
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934384097 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934893789 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934100664 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934644664 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933470827 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 72 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** **53** ***1 of 1*** ***E/196.1*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1510268 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 10/30/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |

| | | | |
|---|---|---|---|
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032296 | ***Elevation:*** | 96.250862 |
| ***DP2BR:*** | 22 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434505.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003462 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 7/14/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931014393 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 09 |
| ***Most Common Material:*** | MEDIUM SAND |
| ***Mat2:*** | 05 |
| ***Other Materials:*** | CLAY |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 12 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931014395 |
| ***Layer:*** | 3 |
| ***Color:*** | 3 |
| ***General Color:*** | BLUE |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 22 |
| ***Formation End Depth:*** | 60 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931014394 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 12 |
| ***Formation End Depth:*** | 22 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10580866 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930057191 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 60 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930057190 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 26 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991510268 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 5 |
| ***Final Level After Pumping:*** | 10 |

| | |
|---|---|
| **Recommended Pump Depth:** | 20 |
| **Pumping Rate:** | 10 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 5 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 2 |
| **Water State After Test:** | CLOUDY |
| **Pumping Test Method:** | 2 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933465234 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 58 |
| **Water Found Depth UOM:** | ft |

---

***WWIS*** **54** ***1 of 1*** ***E/202.5*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1509725 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 1/8/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10031757 | **Elevation:** | 96.139266 |
| **DP2BR:** | 23 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434505.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003472 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 11/26/1968 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012896
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 23
***Formation End Depth:*** 55
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931012895
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 23
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10580327
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930056150
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 26
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930056151 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 55 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991509725 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 5 |
| ***Final Level After Pumping:*** | 17 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933464617 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 54 |
| ***Water Found Depth UOM:*** | ft |

***WWIS*** **55** ***1 of 1*** ***E/194.1*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1510290 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 10/30/1969 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1503 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10032318 | ***Elevation:*** | 96.253608 |
| ***DP2BR:*** | 18 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434510.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003452 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 7/17/1969 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931014459 |
| ***Layer:*** | 2 |
| ***Color:*** | 3 |
| ***General Color:*** | BLUE |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 18 |
| ***Formation End Depth:*** | 81 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931014458 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 18 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10580888 |

**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930057234
**Layer:** 2
**Material:** 4
**Open Hole or Material:** OPEN HOLE
**Depth From:**
**Depth To:** 81
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930057233
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 22
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Results of Well Yield Testing***

**Pump Test ID:** 991510290
**Pump Set At:**
**Static Level:** 3
**Final Level After Pumping:** 50
**Recommended Pump Depth:** 60
**Pumping Rate:** 7
**Flowing Rate:**
**Recommended Pump Rate:** 5
**Levels UOM:** ft
**Rate UOM:** GPM
**Water State After Test Code:** 2
**Water State After Test:** CLOUDY
**Pumping Test Method:** 2
**Pumping Duration HR:** 1
**Pumping Duration MIN:** 0
**Flowing:** N

***Water Details***

**Water ID:** 933465258
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 80
**Water Found Depth UOM:** ft

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***WWIS*** | **56** | ***1 of 1*** | ***E/219.9*** | ***94.9 / -1.00*** | ***RICHMOND ON***

**Well ID:** 7263021
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 5/18/2016
**Selected Flag:** Yes

| | | | |
|---|---|---|---|
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 6364 |
| ***Casing Material:*** | | ***Form Version:*** | 7 |
| ***Audit No:*** | Z171379 | ***Owner:*** | |
| ***Tag:*** | A169639 | ***Street Name:*** | 113 FORTUNE ST |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | GOULBOURN TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1005992461 | ***Elevation:*** | 95.664421 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 434504 |
| ***Code OB Desc:*** | | ***North83:*** | 5003500 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 4/28/2016 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1006090325 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1006090331 |
| ***Layer:*** | |
| ***Material:*** | |
| ***Open Hole or Material:*** | |
| ***Depth From:*** | |
| ***Depth To:*** | |
| ***Casing Diameter:*** | |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1006090332 |
| ***Layer:*** | |
| ***Slot:*** | |
| ***Screen Top Depth:*** | |
| ***Screen End Depth:*** | |
| ***Screen Material:*** | |
| ***Screen Depth UOM:*** | ft |

***Screen Diameter UOM:*** inch
***Screen Diameter:***

***Water Details***

***Water ID:*** 1006090328
***Layer:*** 1
***Kind Code:*** 8
***Kind:*** Untested
***Water Found Depth:***
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 1006090329
***Layer:*** 2
***Kind Code:*** 8
***Kind:*** Untested
***Water Found Depth:***
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 1006090330
***Layer:*** 3
***Kind Code:*** 8
***Kind:*** Untested
***Water Found Depth:***
***Water Found Depth UOM:*** ft

***Hole Diameter***

***Hole ID:*** 1006090327
***Diameter:***
***Depth From:***
***Depth To:***
***Hole Depth UOM:*** ft
***Hole Diameter UOM:*** inch

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***WWIS*** **57** ***1 of 3*** ***NE/177.7*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

***Well ID:*** 1515370
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:*** 0
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:***
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 6/9/1976
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1558
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE
***Site Info:***
***Lot:*** 023
***Concession:*** 03
***Concession Name:*** CON
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10037321 | ***Elevation:*** | 95.284454 |
| ***DP2BR:*** | 115 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434329.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003721 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 5/12/1976 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931028990 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 115 |
| ***Formation End Depth:*** | 147 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931028989 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 24 |
| ***Most Common Material:*** | PREV. DRILLED |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 115 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10585891 |

***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930065884
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 147
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930065882
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930065883
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 115
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991515370
***Pump Set At:***
***Static Level:*** 2
***Final Level After Pumping:*** 20
***Recommended Pump Depth:*** 30
***Pumping Rate:*** 40
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 2
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934376500
***Test Type:*** Draw Down

**Test Duration:** 30
**Test Level:** 20
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934895502
**Test Type:** Draw Down
**Test Duration:** 60
**Test Level:** 20
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934100855
**Test Type:** Draw Down
**Test Duration:** 15
**Test Level:** 20
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934646794
**Test Type:** Draw Down
**Test Duration:** 45
**Test Level:** 20
**Test Level UOM:** ft

***Water Details***

**Water ID:** 933471443
**Layer:** 3
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 140
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933471441
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 65
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933471442
**Layer:** 2
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 113
**Water Found Depth UOM:** ft

---

***WWIS*** | **57** | ***2 of 3*** | ***NE/177.7*** | ***94.9 / -1.00*** | ***lot 23 con 3 ON***

**Well ID:** 1517707
**Construction Date:**
**Primary Water Use:** Domestic
**Data Entry Status:**
**Data Src:** 1
**Date Received:** 2/11/1982

| | | | |
|---|---|---|---|
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 3504 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10039579 | **Elevation:** | 95.284454 |
| **DP2BR:** | 11 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434329.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003721 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 4/24/1981 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931036044 |
| **Layer:** | 3 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | 73 |
| **Other Materials:** | HARD |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 11 |
| **Formation End Depth:** | 35 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931036042 |
| **Layer:** | 1 |
| **Color:** | 3 |
| **General Color:** | BLUE |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | |
| **Other Materials:** | |

***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 9
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931036043
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 12
***Most Common Material:*** STONES
***Mat2:*** 71
***Other Materials:*** FRACTURED
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 9
***Formation End Depth:*** 11
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10588149
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069183
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 18
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991517707
***Pump Set At:***
***Static Level:*** 9
***Final Level After Pumping:*** 30
***Recommended Pump Depth:*** 25
***Pumping Rate:*** 9
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1

| | |
|---|---|
| **Water State After Test:** | CLEAR |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 0 |
| **Pumping Duration MIN:** | 30 |
| **Flowing:** | N |

***Draw Down & Recovery***

| | |
|---|---|
| **Pump Test Detail ID:** | 934376122 |
| **Test Type:** | Recovery |
| **Test Duration:** | 30 |
| **Test Level:** | 9 |
| **Test Level UOM:** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| **Pump Test Detail ID:** | 934895650 |
| **Test Type:** | Recovery |
| **Test Duration:** | 60 |
| **Test Level:** | 9 |
| **Test Level UOM:** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| **Pump Test Detail ID:** | 934646375 |
| **Test Type:** | Recovery |
| **Test Duration:** | 45 |
| **Test Level:** | 9 |
| **Test Level UOM:** | ft |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933474232 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 25 |
| **Water Found Depth UOM:** | ft |

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***WWIS*** **57** ***3 of 3*** ***NE/177.7*** ***94.9 / -1.00*** ***lot 23 con 3 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1517895 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 9/10/1982 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 3504 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 023 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10039766 | ***Elevation:*** | 95.284454 |
| ***DP2BR:*** | 16 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434329.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003721 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 3/12/1982 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931036669 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 16 |
| ***Formation End Depth:*** | 53 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931036668 |
| ***Layer:*** | 1 |
| ***Color:*** | 3 |
| ***General Color:*** | BLUE |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 16 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 4 |
| ***Method Construction:*** | Rotary (Air) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10588336 |

***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069459
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 21
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991517895
***Pump Set At:***
***Static Level:*** 8
***Final Level After Pumping:*** 50
***Recommended Pump Depth:*** 35
***Pumping Rate:*** 4
***Flowing Rate:***
***Recommended Pump Rate:*** 4
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 0
***Pumping Duration MIN:*** 30
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934377135
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 8
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934646970
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 8
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934896244
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 8
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933474484

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

**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 24
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933474485
**Layer:** 2
**Kind Code:** 5
**Kind:** Not stated
**Water Found Depth:** 53
**Water Found Depth UOM:** ft

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***WWIS*** **58** ***1 of 1*** ***ENE/238.1*** ***94.2 / -1.69*** ***lot 22 con 3 RICHMOND ON***

**Well ID:** 7156128
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:**
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:** Z115607
**Tag:** A102493
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:**
**Date Received:** 12/9/2010
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 1558
**Form Version:** 7
**Owner:**
**Street Name:** 114 FORRUNE STREET
**County:** OTTAWA-CARLETON
**Municipality:** GOULBOURN TOWNSHIP
**Site Info:**
**Lot:** 022
**Concession:** 03
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 1003434952
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 9/2/2010
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 95.438316
**Elevrc:**
**Zone:** 18
**East83:** 434499
**North83:** 5003533
**Org CS:** UTM83
**UTMRC:** 3
**UTMRC Desc:** margin of error : 10 - 30 m
**Location Method:** wwr

***Overburden and Bedrock Materials Interval***

**Formation ID:** 1003733482
**Layer:** 1
**Color:** 6

| | |
|---|---|
| ***General Color:*** | BROWN |
| ***Mat1:*** | 02 |
| ***Most Common Material:*** | TOPSOIL |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 3.65 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1003733484 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 18 |
| ***Other Materials:*** | SANDSTONE |
| ***Mat3:*** | 74 |
| ***Other Materials:*** | LAYERED |
| ***Formation Top Depth:*** | 6.09 |
| ***Formation End Depth:*** | 52.72 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1003733483 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 34 |
| ***Most Common Material:*** | TILL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 79 |
| ***Other Materials:*** | PACKED |
| ***Formation Top Depth:*** | 3.65 |
| ***Formation End Depth:*** | 6.09 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1003733510 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 7.31 |
| ***Plug To:*** | 0 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 2 |
| ***Method Construction:*** | Rotary (Convent.) |
| ***Other Method Construction:*** | AIR PERCUSSION |

***Pipe Information***

**Pipe ID:** 1003733480
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1003733489
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:** -0.45
**Depth To:** 7.31
**Casing Diameter:** 15.86
**Casing Diameter UOM:** cm
**Casing Depth UOM:** m

***Construction Record - Screen***

**Screen ID:** 1003733490
**Layer:**
**Slot:**
**Screen Top Depth:**
**Screen End Depth:**
**Screen Material:**
**Screen Depth UOM:** m
**Screen Diameter UOM:** cm
**Screen Diameter:**

***Results of Well Yield Testing***

**Pump Test ID:** 1003733481
**Pump Set At:** 30.47
**Static Level:** 2.63
**Final Level After Pumping:** 3.78
**Recommended Pump Depth:** 21.33
**Pumping Rate:** 45.5
**Flowing Rate:**
**Recommended Pump Rate:** 45.5
**Levels UOM:** m
**Rate UOM:** LPM
**Water State After Test Code:** 1
**Water State After Test:** CLEAR
**Pumping Test Method:** 0
**Pumping Duration HR:** 1
**Pumping Duration MIN:**
**Flowing:**

***Draw Down & Recovery***

**Pump Test Detail ID:** 1003733492
**Test Type:** Recovery
**Test Duration:** 1
**Test Level:** 2.8
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 1003733493
**Test Type:** Draw Down
**Test Duration:** 2
**Test Level:** 3.54

***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733495
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 3.59
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733499
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 3.67
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733503
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 3.76
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733504
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 3.77
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733494
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 2.68
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733502
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 3.75
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733497
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 3.61
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733501
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 3.71
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733491
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 3.4
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733506
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 3.78
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733500
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 3.69
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733496
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 2.63
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733498
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 3.62
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003733505
***Test Type:*** Draw Down
***Test Duration:*** 50
***Test Level:*** 3.78
***Test Level UOM:*** m

***Water Details***

***Water ID:*** 1003733487
***Layer:*** 1
***Kind Code:*** 8
***Kind:*** Untested
***Water Found Depth:*** 18.28

**Water Found Depth UOM:** m

***Water Details***

**Water ID:** 1003733488
**Layer:** 2
**Kind Code:** 8
**Kind:** Untested
**Water Found Depth:** 51.5
**Water Found Depth UOM:** m

***Hole Diameter***

**Hole ID:** 1003733486
**Diameter:** 15.23
**Depth From:** 7.31
**Depth To:** 52.72
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

***Hole Diameter***

**Hole ID:** 1003733485
**Diameter:** 15.86
**Depth From:** 0
**Depth To:** 7.31
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

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**WWIS** 59 | **1 of 1** | **NE/218.9** | **94.9 / -1.00** | **RICHMOND ON**

| | | | |
|---|---|---|---|
| **Well ID:** | 7248793 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Domestic | **Date Received:** | 9/22/2015 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z191516 | **Owner:** | |
| **Tag:** | A187032 | **Street Name:** | 98 FORTUNE STREET |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | PLAN U-37 |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005699716 | **Elevation:** | 95.024085 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 434387 |
| **Code OB Desc:** | | **North83:** | 5003692 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 6/30/2015 | **UTMRC Desc:** | margin of error : 30 m - 100 m |

***Remarks:*** ***Location Method:*** wwr
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005727954
***Layer:*** 4
***Color:*** 1
***General Color:*** WHITE
***Mat1:*** 18
***Most Common Material:*** SANDSTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 173
***Formation End Depth:*** 179
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005727951
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 14
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005727953
***Layer:*** 3
***Color:*** 1
***General Color:*** WHITE
***Mat1:*** 18
***Most Common Material:*** SANDSTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 156
***Formation End Depth:*** 173
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005727952

***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 14
***Formation End Depth:*** 156
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005727990
***Layer:*** 2
***Plug From:*** 10
***Plug To:*** 0
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005727989
***Layer:*** 1
***Plug From:*** 20
***Plug To:*** 10
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 1005727949
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005727959
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:*** 20
***Depth To:*** 179
***Casing Diameter:*** 6.9375
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 1005727958
***Layer:*** 1

***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** -2
***Depth To:*** 20
***Casing Diameter:*** 6.25
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Screen***

***Screen ID:*** 1005727960
***Layer:***
***Slot:***
***Screen Top Depth:***
***Screen End Depth:***
***Screen Material:***
***Screen Depth UOM:*** ft
***Screen Diameter UOM:*** inch
***Screen Diameter:***

***Results of Well Yield Testing***

***Pump Test ID:*** 1005727950
***Pump Set At:*** 160
***Static Level:*** 5.42
***Final Level After Pumping:*** 73.67
***Recommended Pump Depth:*** 120
***Pumping Rate:*** 15
***Flowing Rate:***
***Recommended Pump Rate:*** 12
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 0
***Water State After Test:***
***Pumping Test Method:*** 0
***Pumping Duration HR:*** 1
***Pumping Duration MIN:***
***Flowing:***

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727962
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 64.583
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727965
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 30.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727982
***Test Type:*** Recovery
***Test Duration:*** 40
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727967
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 35.75
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727969
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 39.5
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727975
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 70.583
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727963
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 22.167
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727966
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 41.25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727978
***Test Type:*** Recovery
***Test Duration:*** 25
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727979
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 73.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727983
***Test Type:*** Draw Down

***Test Duration:*** 50
***Test Level:*** 73.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727986
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727968
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 24.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727971
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 54.5
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727972
***Test Type:*** Recovery
***Test Duration:*** 10
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727973
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 66.083
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727974
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727981
***Test Type:*** Draw Down
***Test Duration:*** 40
***Test Level:*** 73.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727977
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 72.333
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727961
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 16.25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727976
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727984
***Test Type:*** Recovery
***Test Duration:*** 50
***Test Level:*** 5.417
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727985
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 73.667
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727964
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 53.75
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727970
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 12.333
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1005727980
***Test Type:*** Recovery
***Test Duration:*** 30

**Test Level:** 5.417
**Test Level UOM:** ft

***Water Details***

**Water ID:** 1005727957
**Layer:** 1
**Kind Code:** 8
**Kind:** Untested
**Water Found Depth:** 173
**Water Found Depth UOM:** ft

***Hole Diameter***

**Hole ID:** 1005727956
**Diameter:** 5.9375
**Depth From:** 20
**Depth To:** 179
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

***Hole Diameter***

**Hole ID:** 1005727955
**Diameter:** 9.75
**Depth From:** 0
**Depth To:** 20
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

---

***WWIS*** **60** ***1 of 1*** ***NE/231.3*** ***94.9 / -1.00*** ***RICHMOND ON***

**Well ID:** 7248735
**Construction Date:**
**Primary Water Use:**
**Sec. Water Use:**
**Final Well Status:** Abandoned-Other
**Water Type:**
**Casing Material:**
**Audit No:** Z191504
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:**
**Date Received:** 9/22/2015
**Selected Flag:** Yes
**Abandonment Rec:** Yes
**Contractor:** 1119
**Form Version:** 7
**Owner:**
**Street Name:** 98 FORTUNE STREET
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:** PART U-37
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 1005698636
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**

**Elevation:** 94.675041
**Elevrc:**
**Zone:** 18
**East83:** 434402
**North83:** 5003684
**Org CS:** UTM83
**UTMRC:** 4

**Date Completed:** 7/8/2015
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** wwr

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1005722234
**Layer:** 1
**Plug From:** 0
**Plug To:** 20
**Plug Depth UOM:** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1005722235
**Layer:** 1
**Plug From:** 20
**Plug To:** 5
**Plug Depth UOM:** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1005722236
**Layer:** 2
**Plug From:** 5
**Plug To:** 0
**Plug Depth UOM:** ft

***Pipe Information***

**Pipe ID:** 1005722227
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1005722231
**Layer:**
**Material:**
**Open Hole or Material:**
**Depth From:**
**Depth To:**
**Casing Diameter:**
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Screen***

**Screen ID:** 1005722232
**Layer:**
**Slot:**
**Screen Top Depth:**
**Screen End Depth:**

**Screen Material:**
**Screen Depth UOM:** ft
**Screen Diameter UOM:** inch
**Screen Diameter:**

***Hole Diameter***

**Hole ID:** 1005722229
**Diameter:**
**Depth From:**
**Depth To:**
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

---

**WWIS** 61 **1 of 1** **E/194.9** **94.9 / -1.00** **lot 23 con 2 ON**

**Well ID:** 1517733
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 3/3/1982
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 1558
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** OTTAWA-CARLETON
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:** 023
**Concession:** 02
**Concession Name:** CON
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10039605
**DP2BR:** 20
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 9/30/1981
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 95.835426
**Elevrc:**
**Zone:** 18
**East83:** 434529.6
**North83:** 5003421
**Org CS:**
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** p4

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931036154
**Layer:** 2
**Color:** 2
**General Color:** GREY

***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 20
***Formation End Depth:*** 40
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931036153
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:*** 11
***Other Materials:*** GRAVEL
***Formation Top Depth:*** 0
***Formation End Depth:*** 20
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10588175
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069226
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930069227
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 40
***Casing Diameter:*** 6

| | |
|---|---|
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991517733 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 8 |
| ***Final Level After Pumping:*** | 20 |
| ***Recommended Pump Depth:*** | 30 |
| ***Pumping Rate:*** | 30 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934376565 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 20 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934102945 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 20 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934646401 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 20 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934895676 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 20 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933474264 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 38 |
| ***Water Found Depth UOM:*** | ft |

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
| WWIS | 62 | 1 of 1 | NE/219.5 | 94.9 / -1.00 | ON |

| | | | |
|---|---|---|---|
| **Well ID:** | 1510285 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 10/30/1969 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1503 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10032313 | **Elevation:** | 95.215637 |
| **DP2BR:** | 17 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434380.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003712 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 7/21/1969 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931014440 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 17 |
| **Formation End Depth:** | 61 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931014439
**Layer:** 2
**Color:** 2
**General Color:** GREY
**Mat1:** 14
**Most Common Material:** HARDPAN
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 10
**Formation End Depth:** 17
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931014438
**Layer:** 1
**Color:** 6
**General Color:** BROWN
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:** 09
**Other Materials:** MEDIUM SAND
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 10
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

**Pipe ID:** 10580883
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930057224
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 20
**Casing Diameter:** 5
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Casing***

**Casing ID:** 930057225
**Layer:** 2
**Material:** 4

| | |
|---|---|
| **Open Hole or Material:** | OPEN HOLE |
| **Depth From:** | |
| **Depth To:** | 61 |
| **Casing Diameter:** | |
| **Casing Diameter UOM:** | inch |
| **Casing Depth UOM:** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| **Pump Test ID:** | 991510285 |
| **Pump Set At:** | |
| **Static Level:** | 10 |
| **Final Level After Pumping:** | 23 |
| **Recommended Pump Depth:** | 30 |
| **Pumping Rate:** | 10 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 5 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | |
| **Water State After Test:** | |
| **Pumping Test Method:** | 2 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933465253 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 60 |
| **Water Found Depth UOM:** | ft |

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***WWIS*** **63** ***1 of 1*** ***NNE/154.0*** ***94.9 / -1.00*** ***ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1513381 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 8/13/1973 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1558 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10035367 | **Elevation:** | 95.540313 |
| **DP2BR:** | 12 | **Elevrc:** | |

| | | | |
|---|---|---|---|
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | 434239.6 |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | 5003779 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 5/25/1973 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931023219 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 2 |
| ***Formation End Depth:*** | 12 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931023220 |
| ***Layer:*** | 3 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 12 |
| ***Formation End Depth:*** | 48 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931023218 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 2 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10583937
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930062638
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 48
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930062637
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991513381
***Pump Set At:***
***Static Level:*** 15
***Final Level After Pumping:*** 35
***Recommended Pump Depth:*** 40
***Pumping Rate:*** 8
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 4
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934639602

**Test Type:** Draw Down
**Test Duration:** 45
**Test Level:** 35
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934099215
**Test Type:** Draw Down
**Test Duration:** 15
**Test Level:** 35
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934378607
**Test Type:** Draw Down
**Test Duration:** 30
**Test Level:** 35
**Test Level UOM:** ft

***Draw Down & Recovery***

**Pump Test Detail ID:** 934897073
**Test Type:** Draw Down
**Test Duration:** 60
**Test Level:** 35
**Test Level UOM:** ft

***Water Details***

**Water ID:** 933468923
**Layer:** 2
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 44
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933468924
**Layer:** 3
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 48
**Water Found Depth UOM:** ft

***Water Details***

**Water ID:** 933468922
**Layer:** 1
**Kind Code:** 1
**Kind:** FRESH
**Water Found Depth:** 35
**Water Found Depth UOM:** ft

---

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**Well ID:** 7199490
**Construction Date:**
**Data Entry Status:**
**Data Src:**

| | | | |
|---|---|---|---|
| **Primary Water Use:** | Domestic | **Date Received:** | 3/28/2013 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1558 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z139830 | **Owner:** | |
| **Tag:** | A123499 | **Street Name:** | 122 FORTUNE |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1004269069 | **Elevation:** | 95.226112 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 434534 |
| **Code OB Desc:** | | **North83:** | 5003497 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 8/28/2012 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1004961033 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 02 |
| **Most Common Material:** | TOPSOIL |
| **Mat2:** | 13 |
| **Other Materials:** | BOULDERS |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 6.09 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1004961035 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |

***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 7.92
***Formation End Depth:*** 42.66
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1004961034
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:*** 26
***Other Materials:*** ROCK
***Mat3:*** 79
***Other Materials:*** PACKED
***Formation Top Depth:*** 6.09
***Formation End Depth:*** 7.92
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1004961059
***Layer:*** 1
***Plug From:*** 8.53
***Plug To:*** 0
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:***
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:*** AIR PERCUSSION

***Pipe Information***

***Pipe ID:*** 1004961031
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1004961039
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** 0.45
***Depth To:*** 8.53
***Casing Diameter:*** 15.86
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1004961040
***Layer:***
***Slot:***
***Screen Top Depth:***
***Screen End Depth:***
***Screen Material:***
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:***

***Results of Well Yield Testing***

***Pump Test ID:*** 1004961032
***Pump Set At:*** 15.23
***Static Level:*** 3.77
***Final Level After Pumping:*** 4.14
***Recommended Pump Depth:*** 15.23
***Pumping Rate:*** 45.5
***Flowing Rate:***
***Recommended Pump Rate:*** 45.5
***Levels UOM:*** m
***Rate UOM:*** LPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 0
***Pumping Duration HR:*** 1
***Pumping Duration MIN:***
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961053
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 4.13
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961046
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 3.77
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961050
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 4.12
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961041
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 4.05
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961042
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 3.92
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961047
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 4.1
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961048
***Test Type:*** Draw Down
***Test Duration:*** 5
***Test Level:*** 4.11
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961049
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 4.11
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961056
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 4.14
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961045
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 4.1
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961043
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 4.09
***Test Level UOM:*** m

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1004961052
***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 4.13

**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 1004961044
**Test Type:** Recovery
**Test Duration:** 2
**Test Level:** 3.78
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 1004961051
**Test Type:** Draw Down
**Test Duration:** 20
**Test Level:** 4.12
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 1004961054
**Test Type:** Draw Down
**Test Duration:** 40
**Test Level:** 4.14
**Test Level UOM:** m

***Draw Down & Recovery***

**Pump Test Detail ID:** 1004961055
**Test Type:** Draw Down
**Test Duration:** 50
**Test Level:** 4.14
**Test Level UOM:** m

***Water Details***

**Water ID:** 1004961038
**Layer:** 1
**Kind Code:** 8
**Kind:** Untested
**Water Found Depth:** 42.06
**Water Found Depth UOM:** m

***Hole Diameter***

**Hole ID:** 1004961036
**Diameter:** 15.86
**Depth From:** 0
**Depth To:** 8.53
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

***Hole Diameter***

**Hole ID:** 1004961037
**Diameter:** 15.23
**Depth From:** 8.53
**Depth To:** 42.66
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

| DB | Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site |
|---|---|---|---|---|---|
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| | | | |
|---|---|---|---|
| **Well ID:** | 1510630 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 7/3/1970 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 3644 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10032656 | **Elevation:** | 95.593368 |
| **DP2BR:** | 17 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434218.6 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003787 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 3/24/1970 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | p4 |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931015409 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 12 |
| **Other Materials:** | STONES |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 17 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931015410 |

| | |
|---|---|
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 17 |
| ***Formation End Depth:*** | 71 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10581226 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930057886 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 20 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930057887 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 71 |
| ***Casing Diameter:*** | |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991510630 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 4 |
| ***Final Level After Pumping:*** | 35 |
| ***Recommended Pump Depth:*** | 40 |
| ***Pumping Rate:*** | 7 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |

| | |
|---|---|
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 2 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934097237 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934641132 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 35 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934898613 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 35 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934379555 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 35 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933465658 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 70 |
| ***Water Found Depth UOM:*** | ft |

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| | | | |
|---|---|---|---|
| ***Well ID:*** | 1509121 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 6/19/1953 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 4824 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |

**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**
**Municipality:** RICHMOND VILLAGE
**Site Info:**
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10031155
**DP2BR:** 18
**Spatial Status:**
**Code OB:** r
**Code OB Desc:** Bedrock
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 2/18/1953
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**
**Elevation:** 96.04251
**Elevrc:**
**Zone:** 18
**East83:** 434575.6
**North83:** 5003382
**Org CS:**
**UTMRC:** 5
**UTMRC Desc:** margin of error : 100 m - 300 m
**Location Method:** p5

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931011501
**Layer:** 1
**Color:**
**General Color:**
**Mat1:** 05
**Most Common Material:** CLAY
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 18
**Formation End Depth UOM:** ft

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931011502
**Layer:** 2
**Color:** 2
**General Color:** GREY
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 18
**Formation End Depth:** 90
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10579725
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930054957
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 90
***Casing Diameter:*** 4
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930054956
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 18
***Casing Diameter:*** 4
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991509121
***Pump Set At:***
***Static Level:*** 25
***Final Level After Pumping:*** 30
***Recommended Pump Depth:***
***Pumping Rate:*** 1
***Flowing Rate:***
***Recommended Pump Rate:***
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 0
***Pumping Duration MIN:*** 30
***Flowing:*** N

***Water Details***

***Water ID:*** 933463923
***Layer:*** 1
***Kind Code:*** 1

**Kind:** FRESH
**Water Found Depth:** 80
**Water Found Depth UOM:** ft

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| | | | |
|---|---|---|---|
| **Well ID:** | 1531697 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 1/5/2001 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 1119 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 222927 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GOULBOURN TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 024 |
| **Well Depth:** | | **Concession:** | 03 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10053231 | **Elevation:** | 95.611656 |
| **DP2BR:** | 0 | **Elevrc:** | |
| **Spatial Status:** | Improved | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434186 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003835 |
| **Open Hole:** | | **Org CS:** | N83 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 11/29/2000 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | 1999-2004 MOE Water Well Data Improvement Project | | |
| **Improvement Location Method:** | GIS | | |
| **Source Revision Comment:** | Northing and/or Easting field has been changed. Location estimated from sketch map. | | |
| **Supplier Comment:** | Determined to be an improvement rather than a Lot Centroid in December 2009. | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931079273 |
| **Layer:** | 1 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 220 |
| **Formation End Depth UOM:** | ft |

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10601801
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Results of Well Yield Testing***

***Pump Test ID:*** 991531697
***Pump Set At:***
***Static Level:*** 10
***Final Level After Pumping:*** 80
***Recommended Pump Depth:*** 80
***Pumping Rate:*** 20
***Flowing Rate:***
***Recommended Pump Rate:*** 20
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:***
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934114102
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 10
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934397718
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 10
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934658654
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 10
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934916100
***Test Type:*** Recovery

| | |
|---|---|
| **Test Duration:** | 60 |
| **Test Level:** | 10 |
| **Test Level UOM:** | ft |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933492268 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 214 |
| **Water Found Depth UOM:** | ft |

---

**WWIS** 70 | ***1 of 1*** | ***ESE/211.8*** | ***95.9 / 0.00*** | ***lot 22 con 2 ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1524982 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 9/17/1990 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Test Hole | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 3644 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 68468 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | 02 |
| **Overburden/Bedrock:** | | **Concession Name:** | CON |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10046724 | **Elevation:** | 98.163108 |
| **DP2BR:** | 5 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | 434487.7 |
| **Code OB Desc:** | Bedrock | **North83:** | 5003122 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 5 |
| **Date Completed:** | 8/29/1990 | **UTMRC Desc:** | margin of error : 100 m - 300 m |
| **Remarks:** | | **Location Method:** | gis |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931059668 |
| **Layer:** | 1 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 05 |

| | |
|---|---|
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 5 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931059669 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 5 |
| ***Formation End Depth:*** | 83 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 933110980 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0 |
| ***Plug To:*** | 22 |
| ***Plug Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 5 |
| ***Method Construction:*** | Air Percussion |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10595294 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930081830 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 22 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930081831 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 83 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991524982 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 8 |
| ***Final Level After Pumping:*** | 70 |
| ***Recommended Pump Depth:*** | 70 |
| ***Pumping Rate:*** | 25 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 20 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934385987 |
| ***Test Type:*** | |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 70 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934904143 |
| ***Test Type:*** | |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 70 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934655768 |
| ***Test Type:*** | |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 70 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934110579 |
| ***Test Type:*** | |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 70 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933483772 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 76 |
| ***Water Found Depth UOM:*** | ft |

# Unplottable Summary

**Total: 23 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Postal |
|---|---|---|---|---|
| CA | | Fortune Street | Ottawa ON | |
| CA | | Ottawa Street, West | Ottawa ON | |
| CA | RICHMOND TWP.-LOT 23, CONC. III-PHASE 2 | TWP. RD. #3-RICHMOND IND. PARK | RICHMOND TWP. ON | |
| CA | CERAMICS KINGSTON CERAMIQUES INC. | PART LOT 23, CONC. 3 | RICHMOND TWP. ON | |
| EBR | Greely Sand & Gravel Inc. | Dumoulin Pit (Aggregate Resources Act Licence No. 4296) Regional Road 25 (Prescott Road) Part Lot 22, Concession 3 Former Geographic Township of Osgoode | CITY OF OTTAWA ON | |
| ECA | The Regional Municipality of Waterloo | Ottawa St | Ottawa ON | N2G 4J3 |
| GEN | CERAMICS KINGSTON CERAMIQUES | PART LOT 23, CONCESSION 3 | RICHMOND TWP. ON | K7R 3L1 |
| PES | RICHMOND GARDENS | OTTAWA STREET | RICHMOND ON | |
| RSC | | Part Lot 23 | Ottawa ON | |
| RSC | | Part Lot 23, Township of Gloucester | Ottawa ON | |
| WWIS | | lot 22 | ON | |
| WWIS | | con 3 | ON | |
| WWIS | | lot 22 | ON | |
| WWIS | | lot 23 | ON | |
| WWIS | | lot 23 | ON | |
| WWIS | | lot 22 | ON | |
| WWIS | | con 3 | ON | |

| | | |
|---|---|---|
| WWIS | lot 22 | ON |
| WWIS | lot 22 | ON |
| WWIS | lot 22 | ON |
| WWIS | lot 22 | ON |
| WWIS | lot 23 | ON |
| WWIS | lot 22 con 2 | ON |

# Unplottable Report

**Database:** CA

**Site:**
***Fortune Street Ottawa ON***

| | |
|---|---|
| ***Certificate #:*** | 9190-5E4L7L |
| ***Application Year:*** | 02 |
| ***Issue Date:*** | 9/18/02 |
| ***Approval Type:*** | Municipal & Private sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | New Certificate of Approval |
| ***Client Name:*** | City of Ottawa |
| ***Client Address:*** | 110 Laurier Avenue West |
| ***Client City:*** | Ottawa |
| ***Client Postal Code:*** | K1P 1J1 |
| ***Project Description:*** | Approval is sought for the construction of storm sewers on Fortune Street. |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

**Database:** CA

**Site:**
***Ottawa Street, West Ottawa ON***

| | |
|---|---|
| ***Certificate #:*** | 6026-4YHN85 |
| ***Application Year:*** | 01 |
| ***Issue Date:*** | 7/11/01 |
| ***Approval Type:*** | Municipal & Private sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | New Certificate of Approval |
| ***Client Name:*** | Laffin Enterprises Limited |
| ***Client Address:*** | 99 Queen Street |
| ***Client City:*** | Ottawa |
| ***Client Postal Code:*** | K0A 2Z0 |
| ***Project Description:*** | This application is for the extension of sanitary sewer in the City of Ottawa, on Ottawa Street West. |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

**Database:** CA

**Site:** ***RICHMOND TWP.-LOT 23, CONC. III-PHASE 2 TWP. RD. #3-RICHMOND IND. PARK RICHMOND TWP. ON***

| | |
|---|---|
| ***Certificate #:*** | 3-0989-90- |
| ***Application Year:*** | 90 |
| ***Issue Date:*** | 9/13/1990 |
| ***Approval Type:*** | Municipal sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

**Database:** CA **Site:** **CERAMICS KINGSTON CERAMIQUES INC.**
**PART LOT 23, CONC. 3 RICHMOND TWP. ON**

**Certificate #:** 8-4042-90-
**Application Year:** 90
**Issue Date:** 8/3/1990
**Approval Type:** Industrial air
**Status:** Approved
**Application Type:**
**Client Name:**
**Client Address:**
**Client City:**
**Client Postal Code:**
**Project Description:** RESEARCH FACILITY TO DEV.&PILOT TEST
**Contaminants:** Ammonia, Hydrogen Cyanide, Carbon Monoxide, Suspended Particulate Matter, Nitrogen Oxides, Sulphuric Acid
**Emission Control:** No Controls

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**Database:** EBR **Site:** **Greely Sand & Gravel Inc.**
**Dumoulin Pit (Aggregate Resources Act Licence No. 4296) Regional Road 25 (Prescott Road) Part Lot 22, Concession 3 Former Geographic Township of Osgoode CITY OF OTTAWA ON**

**EBR Registry No:** 010-4368
**Ministry Ref No:** FSD KEM 19/08
**Notice Type:** Instrument Decision
**Notice Stage:** 803069251
**Notice Date:** February 02, 2016
**Proposal Date:** August 12, 2008
**Year:** 2008
**Decision Posted:**
**Exception Posted:**
**Section:**
**Act 1:**
**Act 2:**
**Site Location Map:**
**Instrument Type:** (ARA s. 13 (2)) - Add, rescind, or vary a condition of a licence
**Off Instrument Name:**
**Posted By:**
**Company Name:** Greely Sand & Gravel Inc.
**Site Address:**
**Location Other:**
**Proponent Name:**
**Proponent Address:** Post Office 430, Greely Ontario, Canada K4P 1N6
**Comment Period:**
**URL:**

**Site Location Details:**

Dumoulin Pit (Aggregate Resources Act Licence No. 4296) Regional Road 25 (Prescott Road) Part Lot 22, Concession 3 Former Geographic Township of Osgoode CITY OF OTTAWA

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**Database:** ECA **Site:** **The Regional Municipality of Waterloo**
**Ottawa St Ottawa ON N2G 4J3**

**Approval No:** 4888-7GEH5L
**Approval Date:** 2008-07-11
**Status:** Approved
**Record Type:** ECA
**Link Source:** IDS
**SWP Area Name:**
**MOE District:**
**City:**
**Longitude:**
**Latitude:**
**Geometry X:**
**Geometry Y:**
**Approval Type:** ECA-Municipal Drinking Water Systems
**Project Type:** Municipal Drinking Water Systems
**Address:** Ottawa St
**Full Address:**
**Full PDF Link:**

---

**Database:** GEN **Site:** **CERAMICS KINGSTON CERAMIQUES**

***PART LOT 23, CONCESSION 3  RICHMOND TWP. ON K7R 3L1***

| | | | |
|---|---|---|---|
| ***Generator No:*** | ON1976300 | ***PO Box No:*** | |
| ***Status:*** | | ***Country:*** | |
| ***Approval Years:*** | 95,96,97,98,99,00,01 | ***Choice of Contact:*** | |
| ***Contam. Facility:*** | | ***Co Admin:*** | |
| ***MHSW Facility:*** | | ***Phone No Admin:*** | |
| ***SIC Code:*** | 3751 | | |
| ***SIC Description:*** | PAINT & VARNISH IND. | | |

***Detail(s)***

| | |
|---|---|
| ***Waste Class:*** | 252 |
| ***Waste Class Desc:*** | WASTE OILS & LUBRICANTS |

---

***Database:*** ***PES***  ***Site:*** ***RICHMOND GARDENS OTTAWA STREET  RICHMOND ON***

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

---

***Database:*** ***RSC***  ***Site:***

***Part Lot 23  Ottawa ON***

| | | | |
|---|---|---|---|
| ***RSC ID:*** | | ***Cert Date:*** | |
| ***RA No:*** | | ***Cert Prop Use No:*** | |
| ***RSC Type:*** | | ***Intended Prop Use:*** | |
| ***Curr Property Use:*** | | ***Qual Person Name:*** | |
| ***Ministry District:*** | Ottawa | ***Stratified (Y/N):*** | N |
| ***Filing Date:*** | 07/05/01 | ***Audit (Y/N):*** | |
| ***Date Ack:*** | 08/14/01 | ***Entire Leg Prop. (Y/N):*** | |
| ***Date Returned:*** | | ***Accuracy Estimate:*** | |
| ***Restoration Type:*** | Generic | ***Telephone:*** | |
| ***Soil Type:*** | Medium/Fine | ***Fax:*** | |
| ***Criteria:*** | Res/parkland + Nonpotable | ***Email:*** | |
| ***CPU Issued Sect 1686:*** | | | |
| ***Asmt Roll No:*** | | | |
| ***Prop ID No (PIN):*** | | | |
| ***Property Municipal Address:*** | | | |
| ***Mailing Address:*** | | | |
| ***Latitude &  Latitude:*** | | | |
| ***UTM Coordinates:*** | | | |
| ***Consultant:*** | DST Consulting Engineers Inc. | | |
| ***Legal Desc:*** | | | |
| ***Measurement Method:*** | | | |
| ***Applicable Standards:*** | | | |
| ***RSC PDF:*** | | | |

**Database:** RSC **Site:**

**Part Lot 23, Township of Gloucester Ottawa ON**

| | | | |
|---|---|---|---|
| **RSC ID:** | | **Cert Date:** | |
| **RA No:** | | **Cert Prop Use No:** | |
| **RSC Type:** | | **Intended Prop Use:** | |
| **Curr Property Use:** | | **Qual Person Name:** | |
| **Ministry District:** | Ottawa | **Stratified (Y/N):** | |
| **Filing Date:** | 07/05/01 | **Audit (Y/N):** | |
| **Date Ack:** | | **Entire Leg Prop. (Y/N):** | |
| **Date Returned:** | 07/23/01 | **Accuracy Estimate:** | |
| **Restoration Type:** | | **Telephone:** | |
| **Soil Type:** | | **Fax:** | |
| **Criteria:** | | **Email:** | |
| **CPU Issued Sect 1686:** | | | |
| **Asmt Roll No:** | | | |
| **Prop ID No (PIN):** | | | |
| **Property Municipal Address:** | | | |
| **Mailing Address:** | | | |
| **Latitude & Latitude:** | | | |
| **UTM Coordinates:** | | | |
| **Consultant:** | DST Consulting Engineers Inc. | | |
| **Legal Desc:** | | | |
| **Measurement Method:** | | | |
| **Applicable Standards:** | | | |
| **RSC PDF:** | | | |

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

**lot 22 ON**

| | | | |
|---|---|---|---|
| **Well ID:** | 1525936 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 12/6/1991 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Test Hole | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 3644 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 92104 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | RICHMOND VILLAGE (GOULBOURN) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 022 |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10047671 | **Elevation:** | |
| **DP2BR:** | 39 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | r | **East83:** | |
| **Code OB Desc:** | Bedrock | **North83:** | |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 9/27/1991 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | na |
| **Elevrc Desc:** | | | |

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062714
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:*** 71
***Other Materials:*** FRACTURED
***Formation Top Depth:*** 38
***Formation End Depth:*** 39
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062713
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 38
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062715
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 39
***Formation End Depth:*** 183
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10596241 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930083497 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 44 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930083498 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 183 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991525936 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 12 |
| ***Final Level After Pumping:*** | 160 |
| ***Recommended Pump Depth:*** | 160 |
| ***Pumping Rate:*** | 10 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 1 |
| ***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:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934105712 |
| ***Test Type:*** | |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 160 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934907487 |
| ***Test Type:*** | |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 160 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650290
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 160
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934389346
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 160
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933485081
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 165
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933485082
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 180
***Water Found Depth UOM:*** ft

---

***Database:*** ***WWIS*** ***Site:***
***con 3 ON***

***Well ID:*** 1521314
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 04583
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 5/20/1987
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1558
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** GOULBOURN TOWNSHIP
***Site Info:***
***Lot:***
***Concession:*** 03
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10043136
***DP2BR:*** 8
***Elevation:***
***Elevrc:***

***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 4/13/1987
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931047546
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 18
***Most Common Material:*** SANDSTONE
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Formation Top Depth:*** 167
***Formation End Depth:*** 224
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931047544
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:*** 79
***Other Materials:*** PACKED
***Formation Top Depth:*** 4
***Formation End Depth:*** 8
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931047545
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 8
***Formation End Depth:*** 167
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931047543
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 4
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10591706
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930075315
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 224
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930075314
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991521314
***Pump Set At:***
***Static Level:*** 6
***Final Level After Pumping:*** 20
***Recommended Pump Depth:*** 30
***Pumping Rate:*** 30
***Flowing Rate:***

***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934105993
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 20
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934909447
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 20
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934390092
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 20
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934651239
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 20
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933478821
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 218
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933478820
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 150
***Water Found Depth UOM:*** ft

---

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

| | | | |
|---|---|---|---|
| ***Well ID:*** | 3707714 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 7/23/1991 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 6382 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 89236 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | LENNOX & ADDINGTON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10236204 | ***Elevation:*** | |
| ***DP2BR:*** | 35 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 6/17/1991 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931731072 |
| ***Layer:*** | 3 |
| ***Color:*** | 9 |
| ***General Color:*** | BLUE-GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 8 |
| ***Formation End Depth:*** | 12 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931731073 |
| ***Layer:*** | 4 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |

***Mat2:*** 85
***Other Materials:*** SOFT
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 12
***Formation End Depth:*** 35
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931731071
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 85
***Other Materials:*** SOFT
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 3
***Formation End Depth:*** 8
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931731074
***Layer:*** 5
***Color:*** 3
***General Color:*** BLUE
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 35
***Formation End Depth:*** 75
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931731070
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 02
***Most Common Material:*** TOPSOIL
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 0
***Formation End Depth:*** 3
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933158489
***Layer:*** 1
***Plug From:*** 4

***Plug To:*** 40
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10784774
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930400058
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 40
***Casing Diameter:*** 7
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930400059
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 75
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 993707714
***Pump Set At:***
***Static Level:*** 18
***Final Level After Pumping:*** 32
***Recommended Pump Depth:*** 70
***Pumping Rate:*** 4
***Flowing Rate:***
***Recommended Pump Rate:*** 4
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934492048

***Test Type:***
***Test Duration:*** 30
***Test Level:*** 25
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 935012171
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 31
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934751239
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 27
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934224249
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 22
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933703877
***Layer:*** 1
***Kind Code:*** 5
***Kind:*** Not stated
***Water Found Depth:*** 60
***Water Found Depth UOM:*** ft

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***Database:*** ***WWIS*** ***Site:***
***lot 23 ON***

***Well ID:*** 1531368
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 221687
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 9/15/2000
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1119
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE
***Site Info:***
***Lot:*** 023
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10052902
***DP2BR:*** 24
***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 8/8/2000
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931078289
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 24
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931078290
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 24
***Formation End Depth:*** 140
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933116534
***Layer:*** 1
***Plug From:*** 2
***Plug To:*** 29
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:***
***Method Construction Code:*** 5

***Method Construction:*** Air Percussion
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10601472
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930092553
***Layer:*** 1
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 8
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930092554
***Layer:*** 2
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930092555
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991531368
***Pump Set At:***
***Static Level:*** -7
***Final Level After Pumping:*** 120
***Recommended Pump Depth:*** 120
***Pumping Rate:*** 8
***Flowing Rate:***
***Recommended Pump Rate:*** 8
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:***
***Flowing:*** Y

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933491803 |
| ***Layer:*** | 2 |
| ***Kind Code:*** | 5 |
| ***Kind:*** | Not stated |
| ***Water Found Depth:*** | 134 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933491802 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 5 |
| ***Kind:*** | Not stated |
| ***Water Found Depth:*** | 109 |
| ***Water Found Depth UOM:*** | ft |

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***Database:*** ***WWIS*** ***Site:***
***lot 23 ON***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1528156 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 9/27/1994 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 4006 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 147502 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | GOULBOURN TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 023 |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10049695 | ***Elevation:*** | |
| ***DP2BR:*** | 35 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 8/3/1994 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931068758 |

***Layer:*** 2
***Color:*** 3
***General Color:*** BLUE
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 3
***Formation End Depth:*** 35
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931068761
***Layer:*** 5
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 44
***Formation End Depth:*** 50
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931068757
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 02
***Most Common Material:*** TOPSOIL
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 3
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931068760
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Mat3:*** 71
***Other Materials:*** FRACTURED
***Formation Top Depth:*** 38
***Formation End Depth:*** 44
***Formation End Depth UOM:*** ft

***Overburden and Bedrock***

***Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931068759 |
| ***Layer:*** | 3 |
| ***Color:*** | 8 |
| ***General Color:*** | BLACK |
| ***Mat1:*** | 17 |
| ***Most Common Material:*** | SHALE |
| ***Mat2:*** | 71 |
| ***Other Materials:*** | FRACTURED |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 35 |
| ***Formation End Depth:*** | 38 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931068762 |
| ***Layer:*** | 6 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 50 |
| ***Formation End Depth:*** | 120 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 933113011 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 5 |
| ***Plug To:*** | 50 |
| ***Plug Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 4 |
| ***Method Construction:*** | Rotary (Air) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10598265 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930086853 |
| ***Layer:*** | 1 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 50 |

***Casing Diameter:*** 10
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930086855
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 120
***Casing Diameter:*** 6
***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
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991528156
***Pump Set At:***
***Static Level:*** 4
***Final Level After Pumping:*** 79
***Recommended Pump Depth:*** 100
***Pumping Rate:*** 5
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934387221
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 31
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934656549
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 52
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934112412
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 79
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934905341
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 79
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933487744
***Layer:*** 1
***Kind Code:*** 5
***Kind:*** Not stated
***Water Found Depth:*** 72
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933487745
***Layer:*** 2
***Kind Code:*** 5
***Kind:*** Not stated
***Water Found Depth:*** 114
***Water Found Depth UOM:*** ft

---

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

***Well ID:*** 1525937
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Test Hole
***Water Type:***
***Casing Material:***
***Audit No:*** 92103
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 12/6/1991
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 3644
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE (GOULBOURN)
***Site Info:***
***Lot:*** 022
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10047672
***DP2BR:*** 46
***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:***
***North83:***

***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 9/30/1991
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Org CS:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062717
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 11
***Other Materials:*** GRAVEL
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 44
***Formation End Depth:*** 46
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062718
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 46
***Formation End Depth:*** 83
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062716
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 44
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10596242
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930083500
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 83
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930083499
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 51
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991525937
***Pump Set At:***
***Static Level:*** 11
***Final Level After Pumping:*** 60
***Recommended Pump Depth:*** 60
***Pumping Rate:*** 20
***Flowing Rate:***
***Recommended Pump Rate:*** 20
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934105713
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 60
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650291
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 60
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934907488
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 60
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934389347
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 60
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933485083
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 76
***Water Found Depth UOM:*** ft

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***Database:*** ***WWIS*** ***Site:***
***con 3 ON***

***Well ID:*** 1521473
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 04634
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 7/9/1987
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1558
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** GOULBOURN TOWNSHIP
***Site Info:***
***Lot:***
***Concession:*** 03
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10043295
***DP2BR:*** 17
***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock
***Open Hole:***

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:***
***North83:***
***Org CS:***

***Cluster Kind:***
***Date Completed:*** 6/3/1987
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931048173
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 81
***Other Materials:*** SANDY
***Mat3:*** 13
***Other Materials:*** BOULDERS
***Formation Top Depth:*** 8
***Formation End Depth:*** 17
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931048172
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 8
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931048174
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 17
***Formation End Depth:*** 135
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:***

***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10591865
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930075610
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 25
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930075611
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 135
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930075609
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991521473
***Pump Set At:***
***Static Level:*** 7
***Final Level After Pumping:*** 12
***Recommended Pump Depth:*** 70
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934651783
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 12
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934390639
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 12
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934106539
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 12
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934908874
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 12
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933479050
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 131
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933479049
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 90
***Water Found Depth UOM:*** ft

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

***Site:***
***lot 22 ON***

***Well ID:*** 1525935
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Test Hole
***Water Type:***
***Casing Material:***
***Audit No:*** 92105

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 12/6/1991
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 3644
***Form Version:*** 1
***Owner:***

| | | | |
|---|---|---|---|
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE (GOULBOURN) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10047670 | ***Elevation:*** | |
| ***DP2BR:*** | 39 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 9/30/1991 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931062711 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 39 |
| ***Formation End Depth:*** | 195 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931062710 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 71 |
| ***Other Materials:*** | FRACTURED |
| ***Mat3:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Formation Top Depth:*** | 37 |
| ***Formation End Depth:*** | 39 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062709
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 37
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062712
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 18
***Most Common Material:*** SANDSTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 195
***Formation End Depth:*** 243
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10596240
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930083496
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 243
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930083495
***Layer:*** 1

***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 44
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991525935
***Pump Set At:***
***Static Level:*** 12
***Final Level After Pumping:*** 200
***Recommended Pump Depth:*** 200
***Pumping Rate:*** 14
***Flowing Rate:***
***Recommended Pump Rate:*** 14
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934389345
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 200
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934907486
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 200
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650289
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 200
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934105711
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 200
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933485080
***Layer:*** 1
***Kind Code:*** 1

| | |
|---|---|
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 238 |
| ***Water Found Depth UOM:*** | ft |

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

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1525931 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 12/6/1991 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Test Hole | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 92115 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | RICHMOND VILLAGE |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10047666 | ***Elevation:*** | |
| ***DP2BR:*** | 45 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 9/27/1991 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931062702 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 45 |
| ***Formation End Depth:*** | 63 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062701
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 45
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10596236
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930083487
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 50
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930083488
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 63
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991525931
***Pump Set At:***
***Static Level:*** 12
***Final Level After Pumping:*** 55
***Recommended Pump Depth:*** 55
***Pumping Rate:*** 8
***Flowing Rate:***
***Recommended Pump Rate:*** 8
***Levels UOM:*** ft

***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650285
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 55
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934389341
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 55
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934907482
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 55
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934105707
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 55
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933485073
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 52
***Water Found Depth UOM:*** ft

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

***Well ID:*** 1525930
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Test Hole
***Water Type:***
***Casing Material:***
***Audit No:*** 92114
***Tag:***
***Construction Method:***
***Elevation (m):***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 12/6/1991
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 3644
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE

***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Site Info:***
***Lot:*** 022
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10047665
***DP2BR:*** 35
***Spatial Status:***
***Code OB:*** h
***Code OB Desc:*** Mixed in a Layer
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 9/27/1991
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062700
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 37
***Formation End Depth:*** 63
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062699
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 71
***Other Materials:*** FRACTURED
***Mat3:*** 26
***Other Materials:*** ROCK
***Formation Top Depth:*** 35
***Formation End Depth:*** 37
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931062698
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 35
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10596235
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930083485
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 43
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930083486
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 63
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991525930
***Pump Set At:***
***Static Level:*** 12
***Final Level After Pumping:*** 50
***Recommended Pump Depth:*** 50
***Pumping Rate:*** 30
***Flowing Rate:***
***Recommended Pump Rate:*** 30
***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:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934650284
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 50
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934105706
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 50
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934389340
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 50
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934907481
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 50
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933485072
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 58
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933485071
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 45
***Water Found Depth UOM:*** ft

---

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

***Site:***
***lot 22 ON***

***Well ID:*** 1525843
***Construction Date:***

***Data Entry Status:***
***Data Src:*** 1

| | | | |
|---|---|---|---|
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 11/22/1991 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3749 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 91580 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | GOULBOURN TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 022 |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10047578 | ***Elevation:*** | |
| ***DP2BR:*** | 0 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | h | ***East83:*** | |
| ***Code OB Desc:*** | Mixed in a Layer | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 10/15/1991 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931062453 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Mat3:*** | 78 |
| ***Other Materials:*** | MEDIUM-GRAINED |
| ***Formation Top Depth:*** | 4 |
| ***Formation End Depth:*** | 110 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931062452 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | 26 |
| ***Other Materials:*** | ROCK |
| ***Mat3:*** | |

***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 4
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933111394
***Layer:*** 1
***Plug From:*** 4
***Plug To:*** 22
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10596148
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930083288
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 22
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991525843
***Pump Set At:***
***Static Level:*** 38
***Final Level After Pumping:*** 70
***Recommended Pump Depth:*** 105
***Pumping Rate:*** 7
***Flowing Rate:***
***Recommended Pump Rate:*** 7
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 2
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934389285
***Test Type:*** Draw Down

***Test Duration:*** 30
***Test Level:*** 69
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934649815
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 70
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934105628
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 58
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933484967
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 103
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933484966
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 83
***Water Found Depth UOM:*** ft

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***Database:*** ***WWIS*** ***Site:***
***lot 23 ON***

***Well ID:*** 1525460
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 91548
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 6/14/1991
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 3749
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** GOULBOURN TOWNSHIP
***Site Info:***
***Lot:*** 023
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10047198
***DP2BR:*** 4
***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 5/13/1991
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931061217
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:*** 14
***Other Materials:*** HARDPAN
***Formation Top Depth:*** 0
***Formation End Depth:*** 4
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931061218
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:*** 78
***Other Materials:*** MEDIUM-GRAINED
***Formation Top Depth:*** 4
***Formation End Depth:*** 105
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933111215
***Layer:*** 2
***Plug From:*** 7
***Plug To:*** 21
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933111214
***Layer:*** 1

***Plug From:*** 0
***Plug To:*** 7
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

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

***Pipe Information***

***Pipe ID:*** 10595768
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930082636
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 21
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930082637
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 105
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991525460
***Pump Set At:***
***Static Level:*** 6
***Final Level After Pumping:*** 85
***Recommended Pump Depth:*** 95
***Pumping Rate:*** 10
***Flowing Rate:***
***Recommended Pump Rate:*** 5
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 2
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934905824
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 85
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934387687
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 55
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934112283
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 35
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934648644
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 75
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933484459
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 101
***Water Found Depth UOM:*** ft

---

***Database:*** ***WWIS*** ***Site:***
***lot 22 con 2 ON***

***Well ID:*** 1525325
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Test Hole
***Water Type:***
***Casing Material:***
***Audit No:*** 68489
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 1/16/1991
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 3644
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** OTTAWA-CARLETON
***Municipality:*** RICHMOND VILLAGE
***Site Info:***
***Lot:*** 022
***Concession:*** 02
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10047065 | ***Elevation:*** | |
| ***DP2BR:*** | 1 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | r | ***East83:*** | |
| ***Code OB Desc:*** | Bedrock | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 9/19/1990 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931060790 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 1 |
| ***Formation End Depth:*** | 135 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931060789 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 1 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | |
| ***Method Construction Code:*** | 5 |
| ***Method Construction:*** | Air Percussion |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10595635 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |

***Alt Name:***

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930082403 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 22 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930082404 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 135 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991525325 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 8 |
| ***Final Level After Pumping:*** | 110 |
| ***Recommended Pump Depth:*** | 110 |
| ***Pumping Rate:*** | 5 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 5 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 2 |
| ***Water State After Test:*** | CLOUDY |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934648107 |
| ***Test Type:*** | |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 110 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934905286 |
| ***Test Type:*** | |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 110 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934387564 |

***Test Type:***
***Test Duration:*** 30
***Test Level:*** 110
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934111739
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 110
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933484285
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 129
***Water Found Depth UOM:*** ft

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update.* ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

***Abandoned Aggregate Inventory:*** Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

***Government Publication Date: Sept 2002****

***Aggregate Inventory:*** Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

***Government Publication Date: Up to Sep 2019***

***Abandoned Mine Information System:*** Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

***Government Publication Date: 1800-Oct 2018***

***Anderson's Waste Disposal Sites:*** Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

***Government Publication Date: 1860s-Present***

***Aboveground Storage Tanks:*** Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

***Government Publication Date: May 31, 2014***

***Automobile Wrecking & Supplies:*** Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

***Government Publication Date: 1999-Jan 31, 2020***

***Borehole:*** Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

***Government Publication Date: 1875-Jul 2018***

***Certificates of Approval:*** Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

***Government Publication Date: 1985-Oct 30, 2011****

***Dry Cleaning Facilities:*** Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

***Government Publication Date: Jan 2004-Dec 2017***

***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: Feb 28, 2017***

***Chemical Register:*** 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***

***Compressed Natural Gas Stations:*** Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

***Government Publication Date: Dec 2012 - Feb 2020***

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

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

***Government Publication Date: Apr 1987 and Nov 1988****

***Compliance and Convictions:*** Provincial CONV

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

***Government Publication Date: 1989-Nov 2019***

***Certificates of Property Use:*** Provincial CPU

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

***Government Publication Date: 1994-Mar 31, 2020***

***Drill Hole Database:*** Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

***Government Publication Date: 1886 - Sep 2019***

***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, 2020***

***Environmental Registry:*** Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

***Government Publication Date: 1994-Mar 31, 2020***

***Environmental Compliance Approval:*** Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

***Government Publication Date: Oct 2011-Mar 31, 2020***

***Environmental Effects Monitoring:*** Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

***Government Publication Date: 1992-2007****

***ERIS Historical Searches:*** Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

***Government Publication Date: 1999-Jan 31, 2020***

***Environmental Issues Inventory System:*** Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

***Government Publication Date: 1992-2001****

***Emergency Management Historical Event:*** Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

***Government Publication Date: Dec 31, 2016***

***Environmental Penalty Annual Report:*** Provincial EPAR

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

***Government Publication Date: Jan 1, 2011 - Dec 31, 2019***

***List of Expired Fuels Safety Facilities:*** Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

***Government Publication Date: Feb 28, 2017***

***Federal Convictions:*** Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

***Government Publication Date: 1988-Jun 2007****

***Contaminated Sites on Federal Land:*** Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

***Government Publication Date: Jun 2000-Nov 2019***

***Fisheries & Oceans Fuel Tanks:*** Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

***Government Publication Date: 1964-Sep 2019***

***Federal Identification Registry for Storage Tank Systems (FIRSTS):*** Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

***Government Publication Date: May 31, 2018***

***Fuel Storage Tank:*** Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

***Government Publication Date: Feb 28, 2017***

***Fuel Storage Tank - Historic:*** Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

***Government Publication Date: Pre-Jan 2010****

***Ontario Regulation 347 Waste Generators Summary:*** Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

***Government Publication Date: 1986-Jan 31, 2020***

***Greenhouse Gas Emissions from Large Facilities:*** Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

***Government Publication Date: 2013-Dec 2017***

***TSSA Historic Incidents:*** Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

***Government Publication Date: 2006-June 2009****

***Indian & Northern Affairs Fuel Tanks:*** Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

***Government Publication Date: 1950-Aug 2003****

***Fuel Oil Spills and Leaks:*** Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

***Government Publication Date: Feb 28, 2017***

***Landfill Inventory Management Ontario:*** Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

***Government Publication Date: Feb 28, 2019***

***Canadian Mine Locations:*** Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

***Government Publication Date: 1998-2009****

***Mineral Occurrences:*** Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

***Government Publication Date: 1846-Jan 2020***

***National Analysis of Trends in Emergencies System (NATES):*** Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

***Government Publication Date: 1974-1994****

***Non-Compliance Reports:*** Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

***Government Publication Date: Dec 31, 2018***

***National Defense & Canadian Forces Fuel Tanks:*** Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

***Government Publication Date: Up to May 2001****

***National Defense & Canadian Forces Spills:*** Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

***Government Publication Date: Mar 1999-Apr 2018***

***National Defence & Canadian Forces Waste Disposal Sites:*** Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

***Government Publication Date: 2001-Apr 2007****

***National Energy Board Pipeline Incidents:*** Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

***Government Publication Date: 2008-Dec 31, 2019***

***National Energy Board Wells:*** Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

***Government Publication Date: 1920-Feb 2003****

***National Environmental Emergencies System (NEES):*** Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

***Government Publication Date: 1974-2003****

***National PCB Inventory:*** Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

***Government Publication Date: 1988-2008****

***National Pollutant Release Inventory:*** Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

***Government Publication Date: 1993-May 2017***

***Oil and Gas Wells:*** Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

***Government Publication Date: 1988-Feb 29, 2020***

***Ontario Oil and Gas Wells:*** Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

***Government Publication Date: 1800-Jun 2019***

***Inventory of PCB Storage Sites:*** Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

***Government Publication Date: 1987-Oct 2004; 2012-Dec 2013***

***Orders:*** Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

***Government Publication Date: 1994-Mar 31, 2020***

***Canadian Pulp and Paper:*** Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

***Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014***

***Parks Canada Fuel Storage Tanks:*** Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

***Government Publication Date: 1920-Jan 2005****

***Pesticide Register:*** Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

***Government Publication Date: 1988 - Mar 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, 2017***

***Private and Retail Fuel Storage Tanks:*** Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

***Government Publication Date: 1989-1996****

***Permit to Take Water:*** Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

***Government Publication Date: 1994-Mar 31, 2020***

***Ontario Regulation 347 Waste Receivers Summary:*** Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

***Government Publication Date: 1986-2016***

***Record of Site Condition:*** Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

***Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2020***

***Retail Fuel Storage Tanks:*** Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

***Government Publication Date: 1999-Jan 31, 2020***

***Scott's Manufacturing Directory:*** Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

***Government Publication Date: 1992-Mar 2011****

***Ontario Spills:*** Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

***Government Publication Date: 1988-Aug 2019***

***Wastewater Discharger Registration Database:*** Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

***Government Publication Date: 1990-Dec 31, 2017***

***Anderson's Storage Tanks:*** Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

***Government Publication Date: 1915-1953****

***Transport Canada Fuel Storage Tanks:*** Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

***Government Publication Date: 1970-Aug 2018***

***Variances for Abandonment of Underground Storage Tanks:*** Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

***Government Publication Date: Feb 28, 2017***

***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, 2020***

***Waste Disposal Sites - MOE 1991 Historical Approval Inventory:*** Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

***Government Publication Date: Up to Oct 1990****

***Water Well Information System:*** Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

***Government Publication Date: Feb 28, 2019***

# Definitions

***Database Descriptions:*** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

***Detail Report***: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

***Distance:*** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

***Direction:*** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

***Elevation:*** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

***Executive Summary:*** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

***Map Key:*** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

***Unplottables:*** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

**APPENDIX C**

# Site Photographs

Photo 1: Photo of the northernmost portion of the Site looking west.

Photo 2: Agricultural lands on the adjacent lands north of the Site looking northwest.

Photo 3: Looking south at the residential houses located along Queen Charlotte Street on the surrounding lands east of the Site.

Photo 4: Looking northwest at the residential development occurring on the adjacent lands west of the Site includes the fill piles and standing water.

Photo 5: View of the agricultural land and treed area on the Site looking northwest.

Photo 6: Paved area on the eastern portion of the treed area.

Photo 7: Concrete foundation and concrete debris on the eastern portion of the treed area.

Photo 8: One of many piles of firewood in the treed area.

Photo 9: Photo of the pile of wood waste located on the easternmost portion of the treed area.

Photo 10: Area of metal debris located on the northwest portion of the treed area.

Photo 11: Photo of the agricultural land on the southern portion of the Site looking south.

Photo 12: Monitoring wells located on the southeast corner of the Site looking southeast.

**APPENDIX D**

# Aerial Photographs

**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA

0 50 100 200

1:5,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CAIVAN (RICHMOND NORTH) LIMITED

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE

**1946 AIR PHOTO**

CONSULTANT

GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| 20144864 | 0001 | 0 | **D1** |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm 0

Path: N:\Active\Spatial\MCaivan\Richmond\Proposed\SWMP-99_PRO\20144864 Caivan_Enviro\0001_PhaseOne_ESA_Laflin\Parcel\20144864-0001-HS-0001.mxd

**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA

0 50 100 200

1:5,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CAIVAN (RICHMOND NORTH) LIMITED

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE

**1959 AIR PHOTO**

CONSULTANT

GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| 20144864 | 0001 | 0 | **D2** |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm 0

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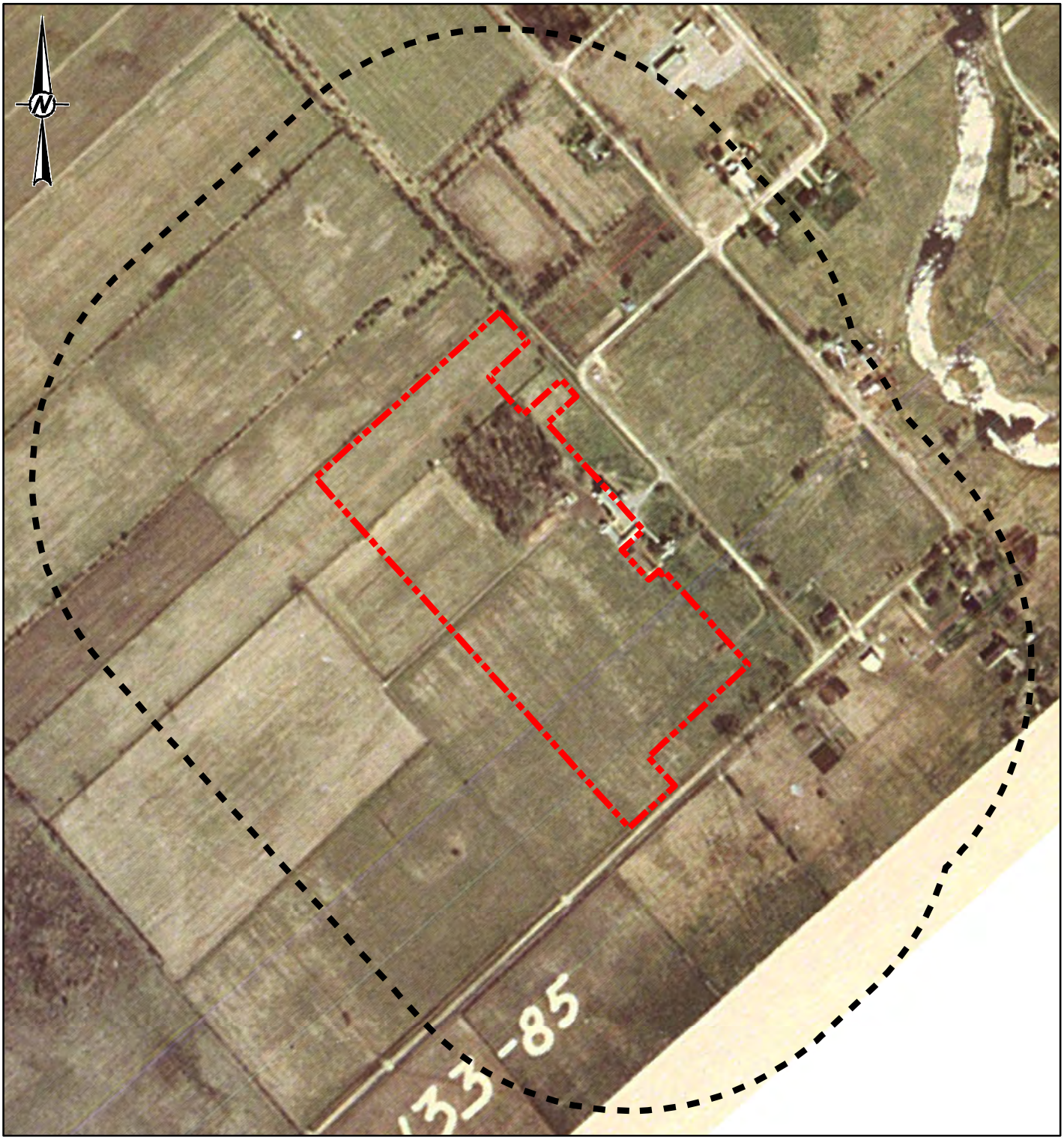


**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA

0 50 100 200

1:5,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CAIVAN (RICHMOND NORTH) LIMITED

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE

**1968 AIR PHOTO**

CONSULTANT

GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| 20144864 | 0001 | 0 | **D3** |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm 0

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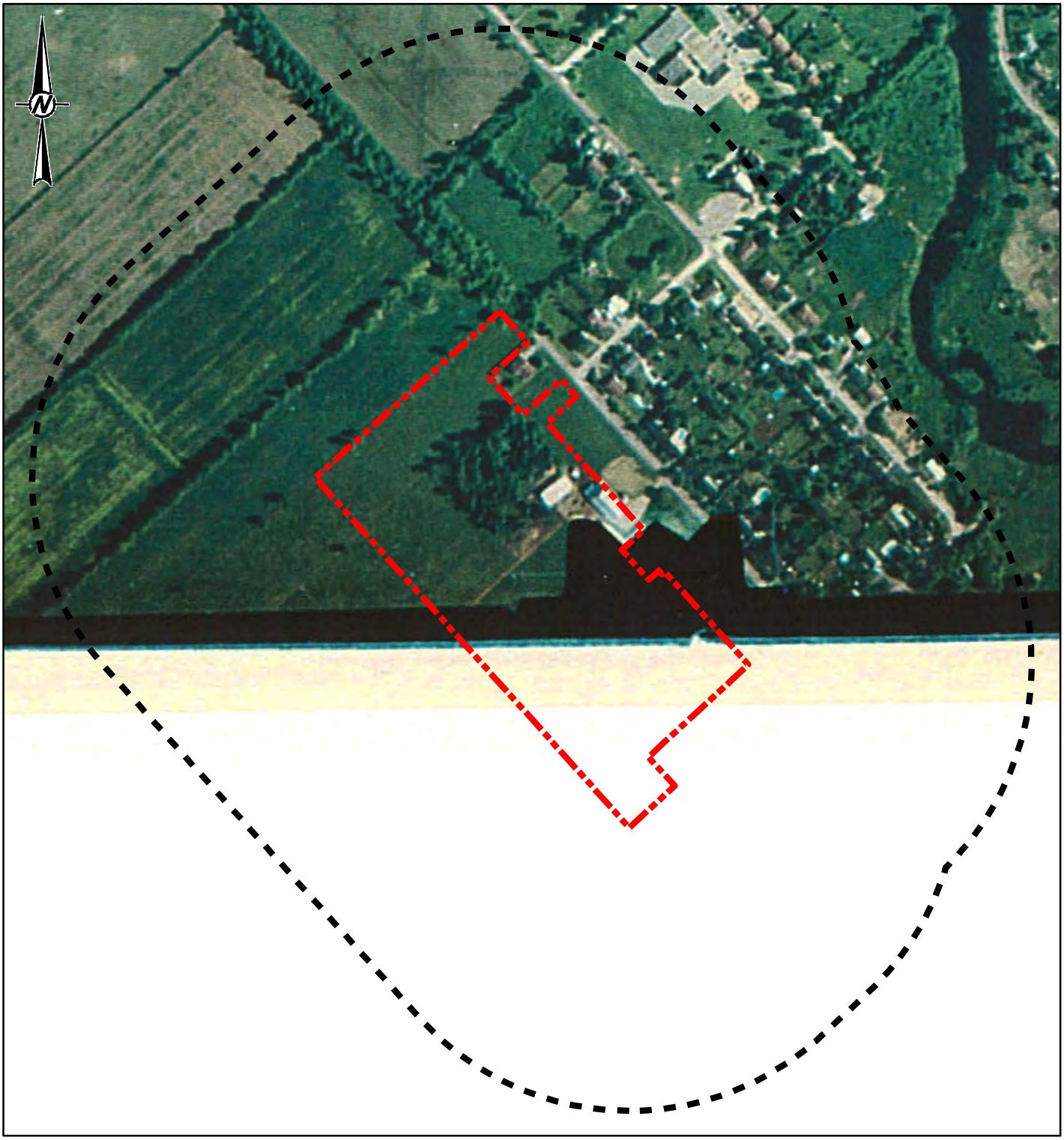

**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA

0 50 100 200

1:5,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CAIVAN (RICHMOND NORTH) LIMITED

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO

TITLE

**1985 AIR PHOTO**

CONSULTANT

GOLDER

| | |
|---|---|
| YYYY-MM-DD | 2020-05-05 |
| DESIGNED | ---- |
| PREPARED | JEM |
| REVIEWED | AW |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| 20144864 | 0001 | 0 | **D4** |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm 0

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