



FINAL REPORT

Phase One Environmental Site Assessment

6305 Ottawa Street West, Ottawa, Ontario

Submitted to:

Caivan (Richmond North) Limited

2934 Baseline Road
Ottawa, Ontario
K2H 1B2

Submitted by:

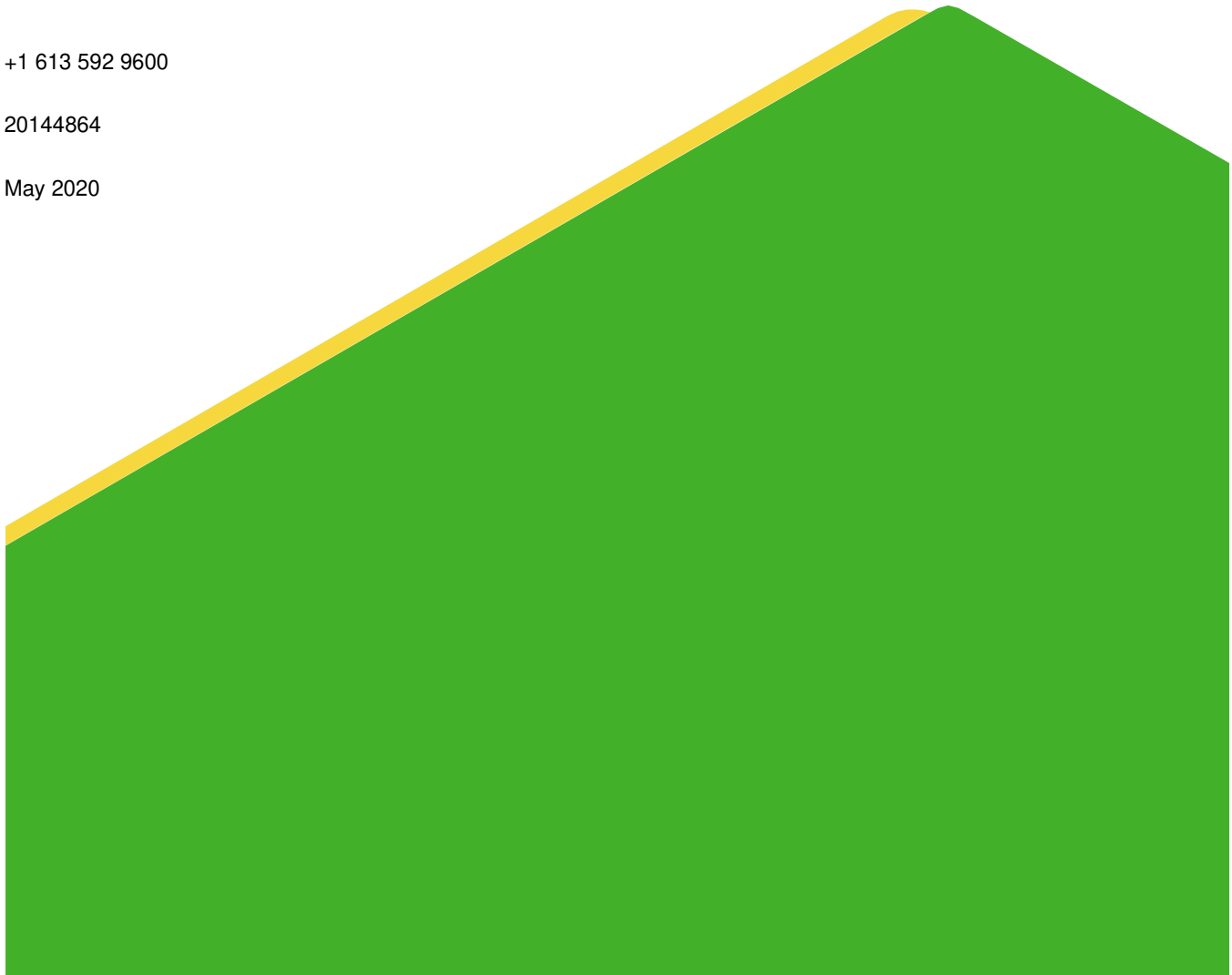
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Executive Summary

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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APPENDICES

APPENDIX A

Regulatory Responses

APPENDIX B

ERIS Report

APPENDIX C

Site Photographs

APPENDIX D

Aerial Photographs

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 Ottawa, Ontario K2H 1B2	Zeyad Hassan Office: 613-518-1864 ext. 507 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
<ul style="list-style-type: none"> ■ Contaminated Sites on Federal Land ■ Dry Cleaning Facilities ■ Environmental Effects Monitoring ■ Environmental Issues Information System ■ Federal Convictions ■ Fisheries & Oceans Fuel Storage Tanks ■ Greenhouse Gas Emissions from Large Facilities ■ Indian & Northern Affairs Fuel Tanks ■ National Analysis of Trends in Emergencies System (NATES) ■ National Defence & Canadian Forces Fuel Storage Tanks ■ National Defence & Canadian Forces Spills ■ National Defence & Canadian Forces Waste Disposal Sites ■ National Energy Board Pipeline Incidents ■ National Energy Board Wells ■ National Environmental Emergencies System (NEES) ■ National PCB Inventory ■ National Pollutant Release Inventory ■ Parks Canada Fuel Storage Tanks ■ Transport Canada Fuel Storage Tanks 	<ul style="list-style-type: none"> ■ Abandoned Aggregate Inventory ■ Abandoned Inventory ■ Aggregate Mine Information System ■ Borehole ■ Certificates of Approval ■ Certificates of Property Use ■ Commercial Fuel Oil Tanks ■ Compliance and Convictions ■ Drill Hole Database ■ Environmental Activity and Sector Registry ■ Environmental Compliance Approval ■ Emergency Management Historical Event ■ Environmental Registry ■ Fuel Storage Tank ■ Fuel Storage Tank – Historic ■ Inventory of Coal Gasification Plants and Tar Sites ■ Inventory of PCB Storage Sites ■ Landfill Inventory Management Ontario ■ List of TSSA Expired Facilities ■ Environmental Penalty Annual Report ■ Mineral Occurrences ■ Non-Compliance Reports ■ Ontario Oil and Gas Wells ■ Ontario Regulation 347 Waste Generators Summary ■ Ontario Regulation 347 Waste Receivers Summary ■ Ontario Spills ■ Orders ■ Permit to Take Water ■ Pesticide Register 	<ul style="list-style-type: none"> ■ Anderson's Storage Tanks ■ Anderson's Waste Disposal Sites ■ Automobile Wrecking & Supplies ■ Canadian Mine Locations ■ Canadian Pulp and Paper ■ Chemical Register ■ Compressed Natural Gas Stations ■ ERIS Historical Searches ■ Oil and Gas Wells ■ Retail Fuel Storage Tanks ■ Scott's Manufacturing Directory

Federal	Provincial	Private
	<ul style="list-style-type: none"> ■ Private and Retail Fuel Storage Tanks ■ Record of Site Condition ■ TSSA Historic Incidents ■ TSSA Incidents ■ TSSA Pipeline Incidents ■ TSSA Variances for Abandonment of Underground Storage Tanks ■ Waste Disposal Sites - MOECC 1991 Historical Approval Inventory ■ Waste Disposal Sites - MOECC CA Inventory ■ Wastewater Discharger Registration Database ■ 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 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 it 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 (MNR)

Based on available resources and information provided by the MNR Ministry of Natural Resources and Forestry (MNR), 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. 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 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 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. 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 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. 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 or 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
<u>Underground Utilities</u> 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
<u>Interior of Structures</u> 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
<u>Miscellaneous Exterior</u> 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	<p>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.</p> <p>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.</p>	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 pieces 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 and 2002 and the site 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", <i>Hydrogeological Investigation, Proposed Mattamy Homes Development, Richmond (Ottawa), Ontario</i> . 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

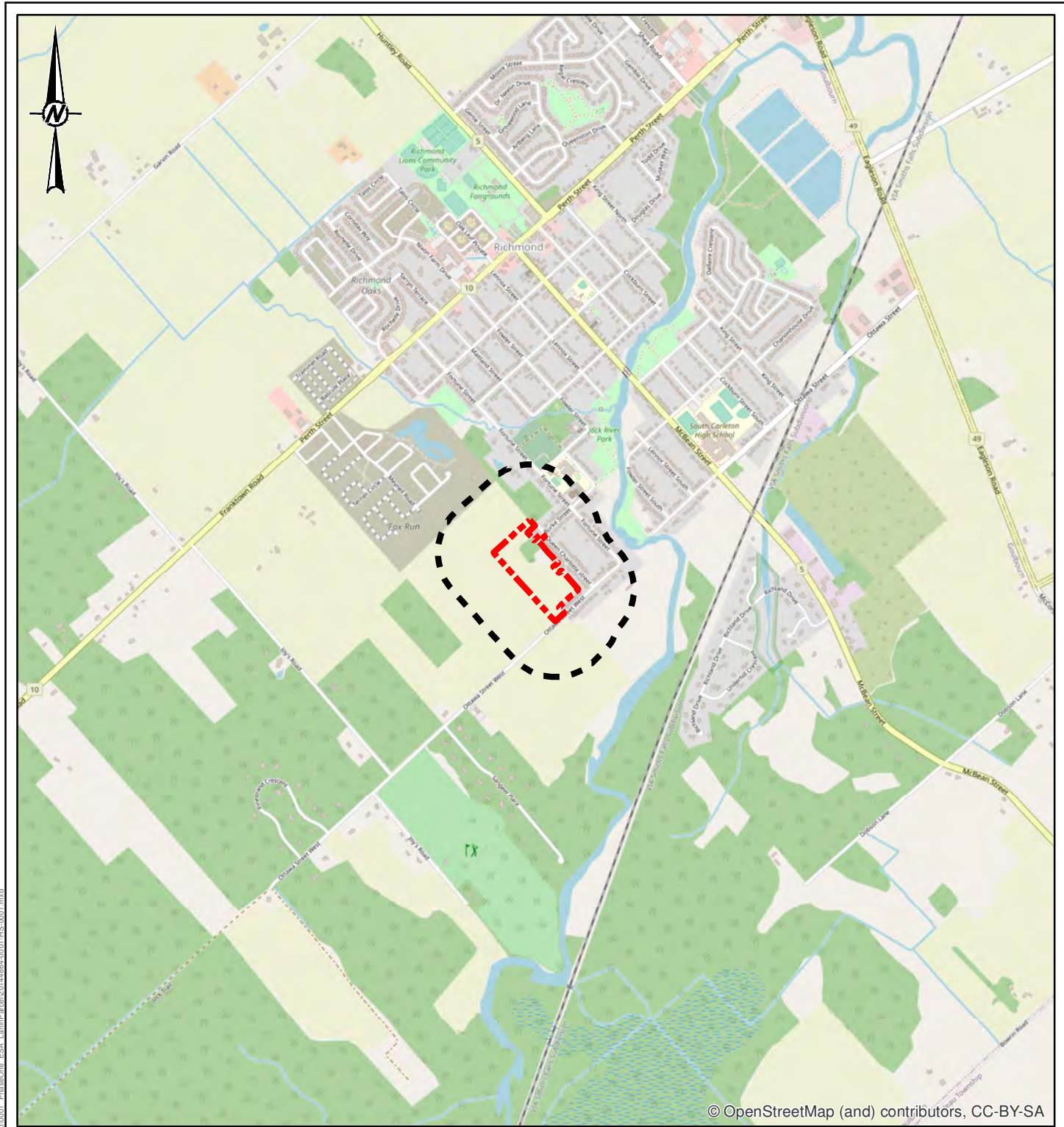


Keith Holmes, M.Sc., P.Geo
Geoscientist/Associate

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](https://golderassociates.sharepoint.com/sites/128209/project%20files/6%20deliverables/phase%20i%20esa/phase%20one%20esa/20144864-r-rev%200-3605%20ottawa%20street%20phase%20one%20esa.docx)

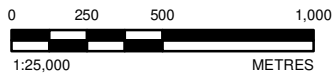
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LEGEND

-  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

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

TITLE
KEY PLAN

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

PROJECT NO. 20144864	CONTROL 0001	REV. 0	FIGURE 1
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Path: N:\Active\Spatial_1\CAIVAN\Richmond\Proposed\SWM\p09 - PROJ\20144864 - PhaseOne - ESA - Lattin\Parcel\20144864-0001-HS-0001.mxd

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



LEGEND

ROADWAY

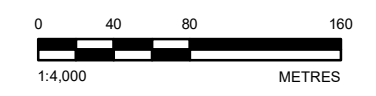
PHASE ONE SITE

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



CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

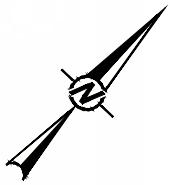
TITLE
SITE PLAN



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

PROJECT NO. 20144864 CONTROL 0001 REV. 0 FIGURE 2

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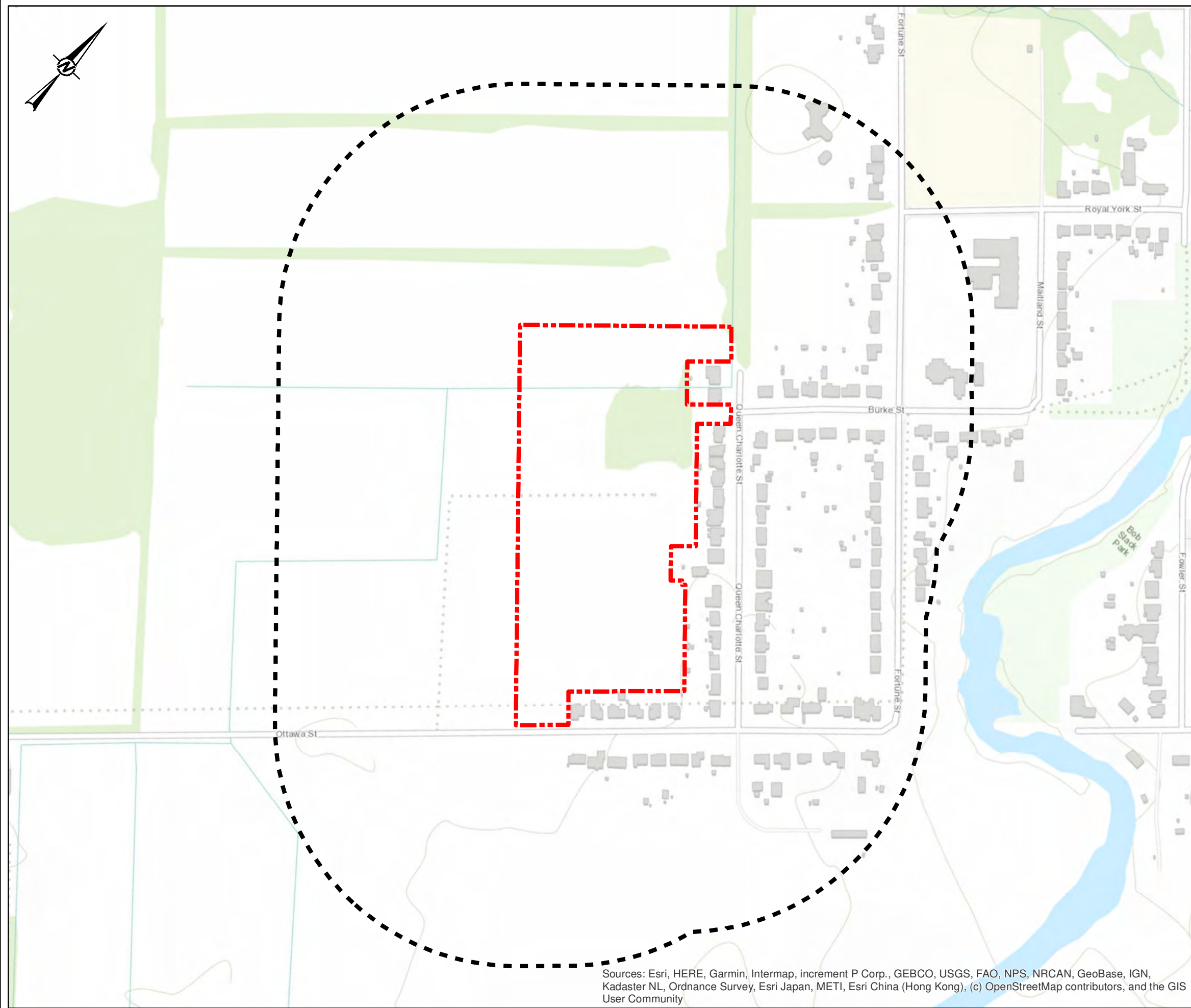
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LEGEND
 PHASE ONE SITE
 PHASE ONE STUDY AREA

NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

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



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

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

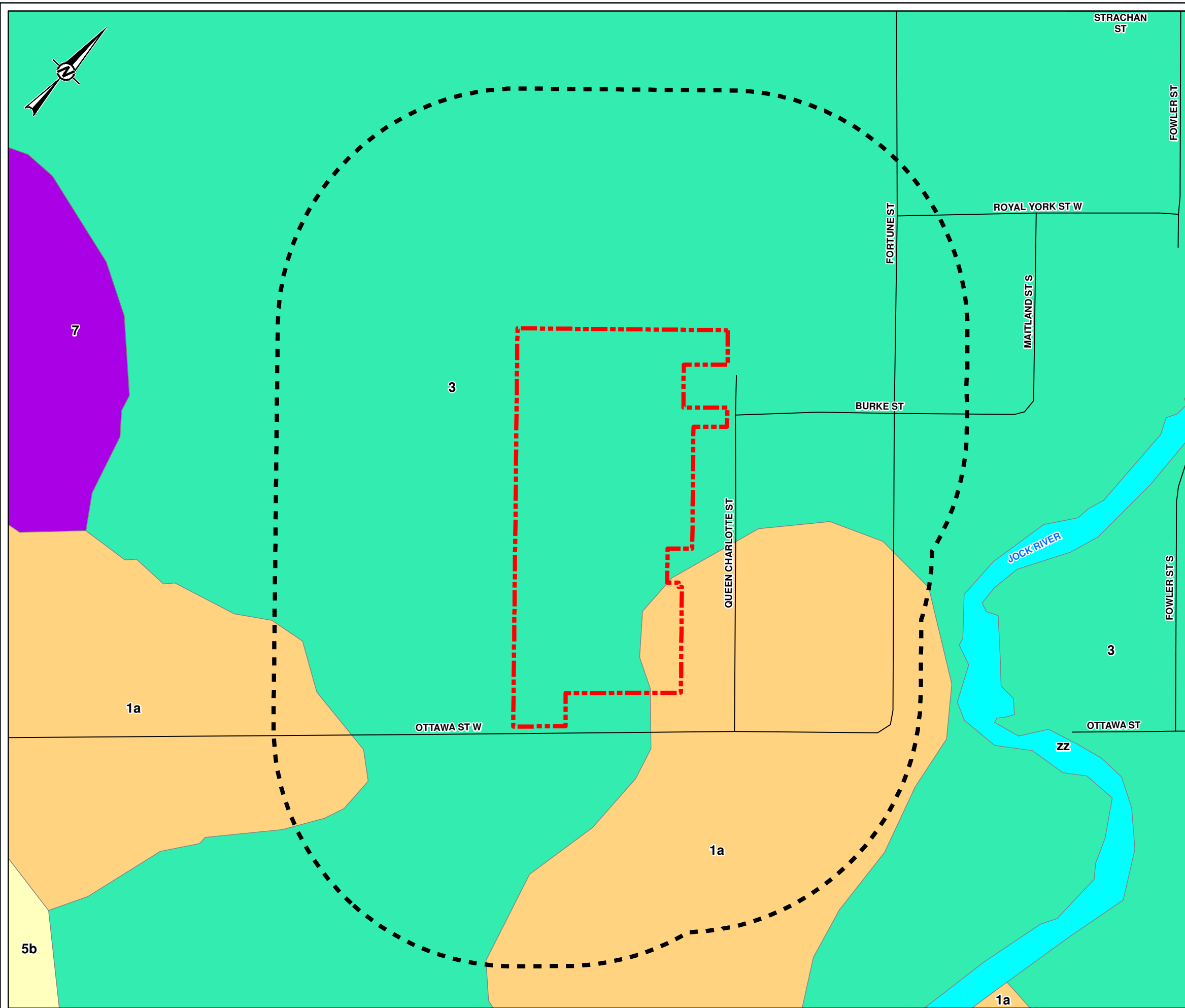


PROJECT NO. 20144864	CONTROL 0001	REV. 0	FIGURE 3
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LEGEND

- 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. BELANGER, 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



CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

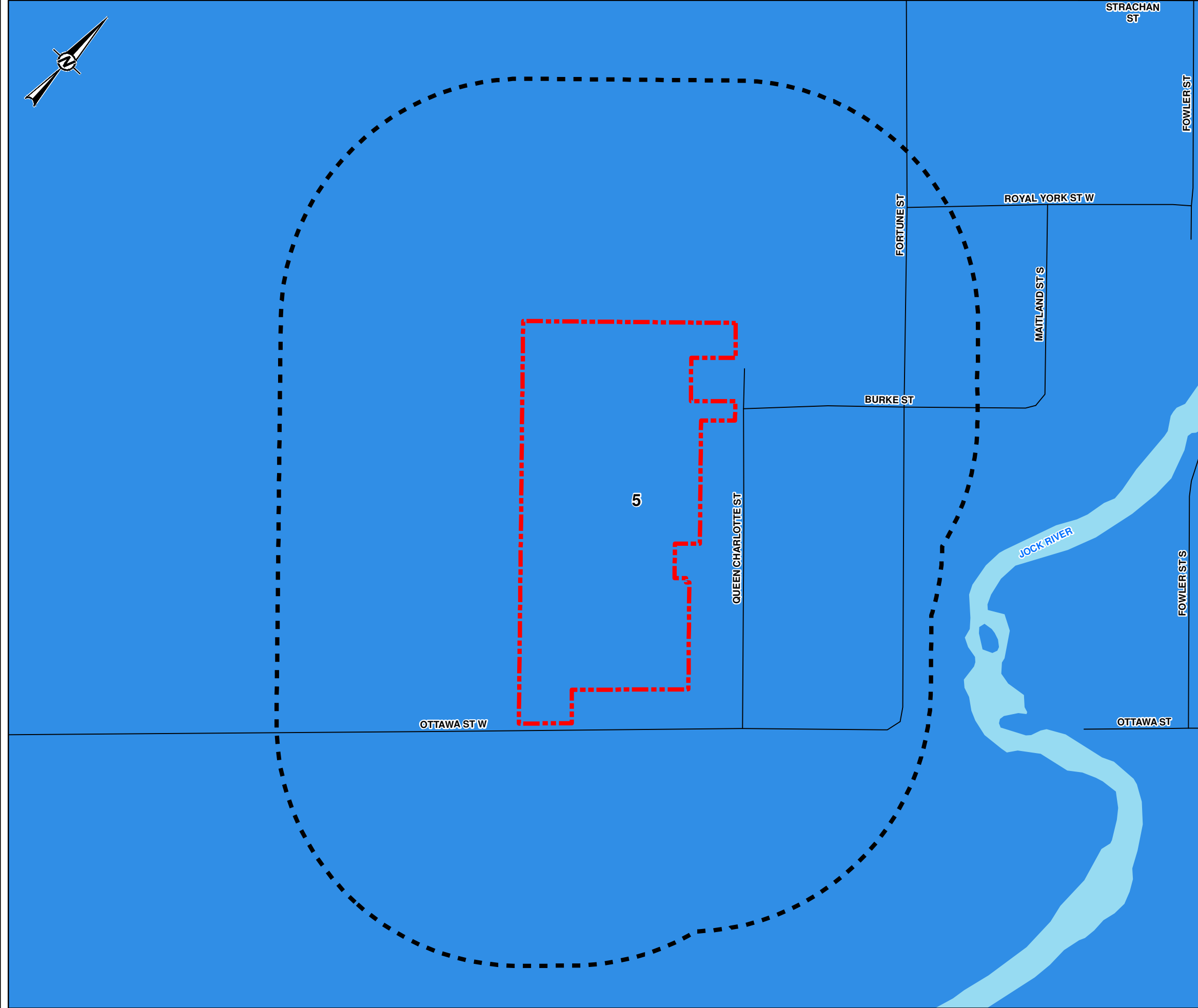
PROJECT
**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT,
6305 OTTAWA STREET WEST, RICHMOND, ONTARIO**

TITLE
SURFICIAL GEOLOGY

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

PROJECT NO. 20144864	CONTROL 0001	REV. 0	FIGURE 4
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 28mm



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

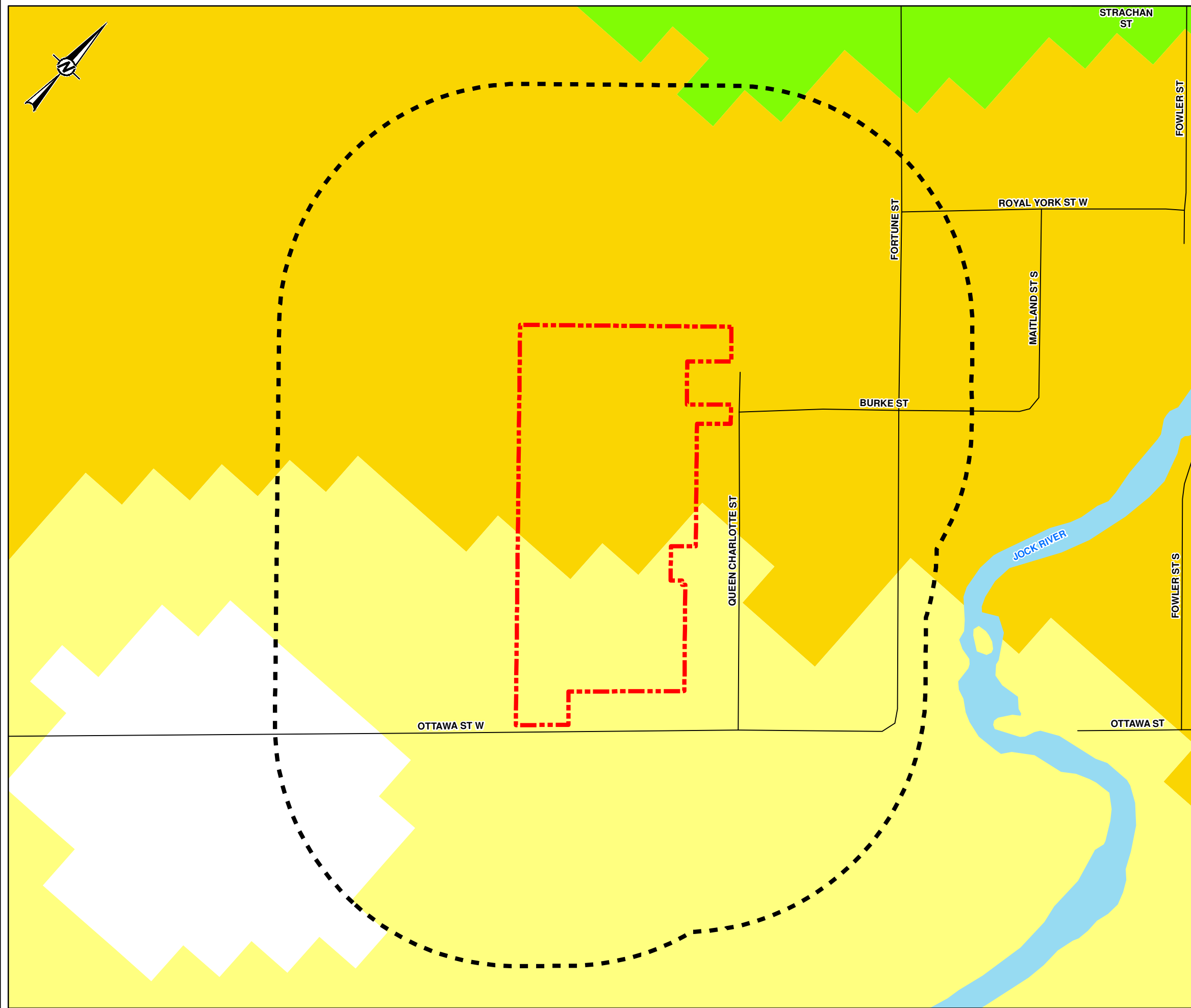
REFERENCE(S)
1. ARMSTRONG, D.K. AND DODGE, J.E.P. 2007. PALEOZOIC GEOLOGY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 219
2. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9, VERTICAL DATUM: CGVD28



CLIENT CAIVAN (RICHMOND NORTH) LIMITED		
PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT, 6305 OTTAWA STREET WEST, RICHMOND, ONTARIO		
TITLE BEDROCK GEOLOGY		
CONSULTANT	YYYY-MM-DD	2020-05-05
	DESIGNED	----
	PREPARED	JEM
	REVIEWED	AW
	APPROVED	KPH
PROJECT NO. 20144864	CONTROL 0001	REV. 0
		FIGURE 5

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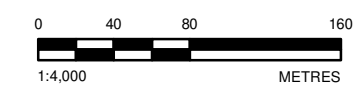
- ROADWAY
- PHASE ONE SITE
- PHASE ONE STUDY AREA
- WATERBODY

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 BELANGER, 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



CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

TITLE
DRIFT THICKNESS

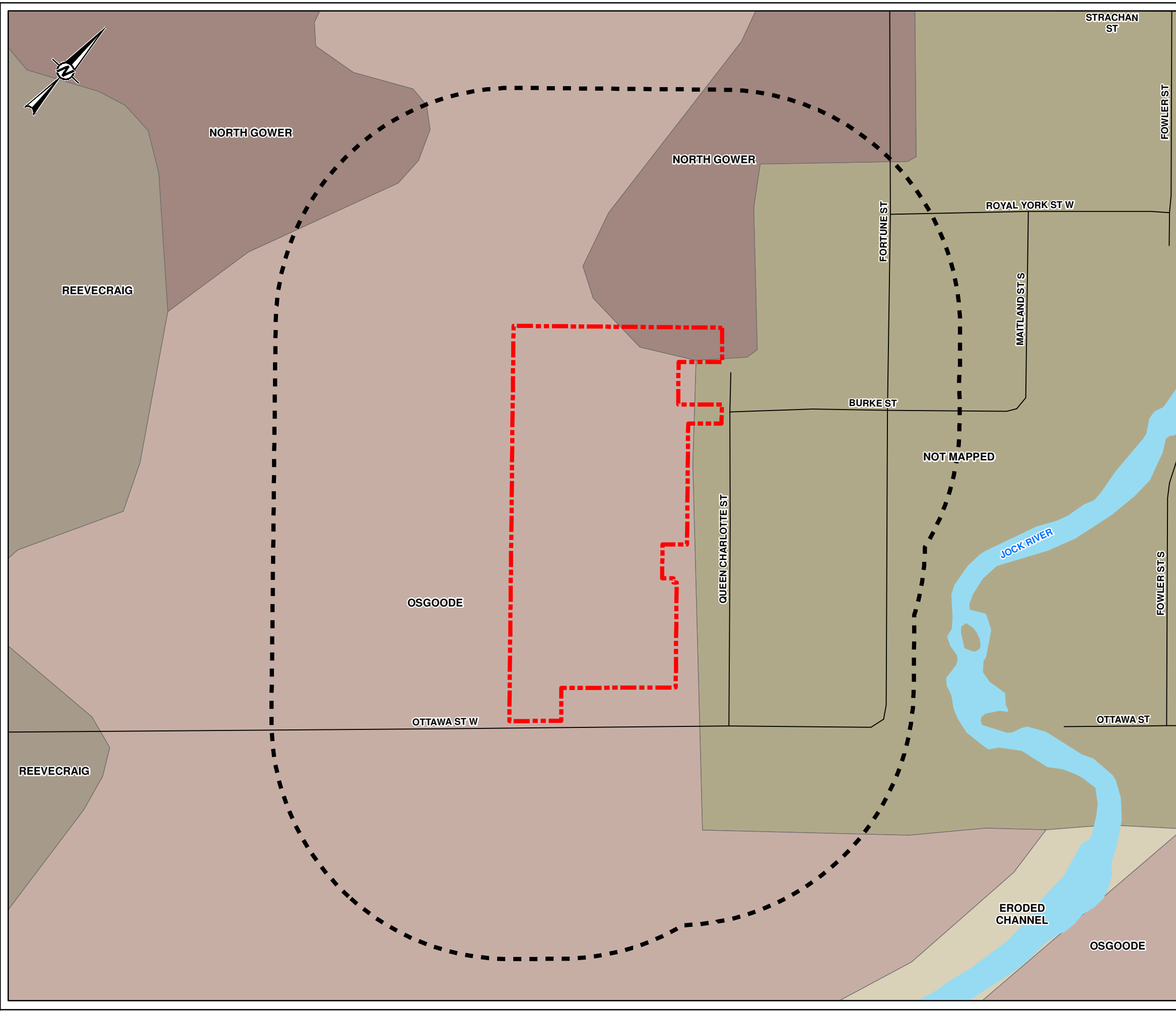
CONSULTANT	YYYY-MM-DD	2020-05-05
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	KPH	

PROJECT NO. 20144864 CONTROL 0001 REV. 0 FIGURE 6

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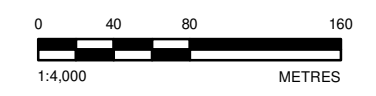


LEGEND

- 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



CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

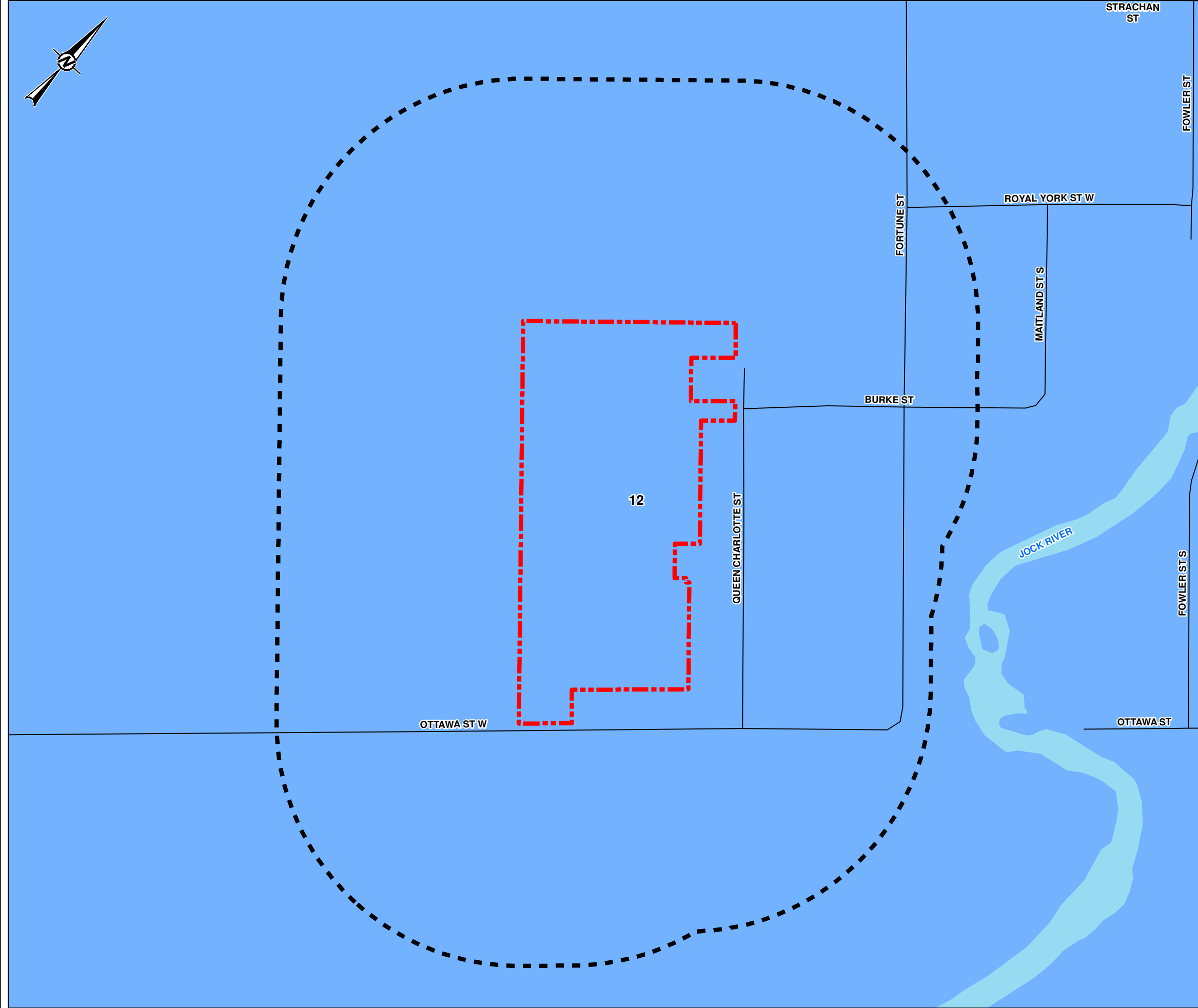
TITLE
SOIL SURVEY COMPLEX (ONTARIO SOILS)

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



PROJECT NO. 20144864	CONTROL 0001	REV. 0	FIGURE 7
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 28mm

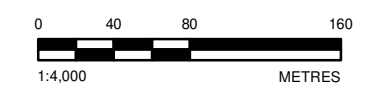


LEGEND

- 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



CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

TITLE
PHYSIOGRAPHY MAP

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

PROJECT NO. 20144864 CONTROL 0001 REV. 0 FIGURE 8

Path: N:\Active\Spatial_1\MC\CAVAN\Richmond\Reports\SWMP\09_PFD\20144864_Caivan_LetterPages\20144864_001_HSE_0008.mxd

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APPENDIX A

Regulatory Responses

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

Attention: Alyssa Whiteduck Golder Associates	Your File: 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.

<u>PROPERTY OWNER AND LOCATION</u>			
Location:	Municipality:	Ottawa	
	Address:	6305 Ottawa Street West	
	Lot	Concession	Township

<u>INDEX OF NAMES FOR ORDERS</u>
We have searched the <i>Ottawa</i> 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:
<input checked="" type="checkbox"/> No Active Orders are outstanding
Please Note: <i>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.</i>
Date of Search: May 7, 2020

<u>RECORD OF SITE CONDITION</u>
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 :

<u>Type</u>	<u>Number</u>	<u>Issued To</u>	<u>Issue Date</u>
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.hwinc.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:	<i>Jéhanne Hurlbut</i>
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 <publicinformationsservices@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 publicinformationsservices@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: publicinformationsservices@tssa.org
www.tssa.org



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

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

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 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

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Work Safe, Home Safe

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APPENDIX B

ERIS Report



DATABASE REPORT

Project Property: *20144864 - 6305 Ottawa Street
6305 Ottawa Street West
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*

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Executive Summary

Property Information:

Project Property: 20144864 - 6305 Ottawa Street
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

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

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

Executive Summary: Site Report Summary - Surrounding Properties

<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
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) GOULBOURN TWP. ON	NE/180.8	-1.00	23
CA	71	BRIAN ARBUCKLE	FORTUNE ST/YORK ST. GOULBOURN TWP. ON	N/219.3	-1.00	23
CA	71	MARK RABB	FORTUNE ST./YORK ST. GOULBOURN TWP. ON	N/219.3	-1.00	23
GEN	66	RABB CONSTRUCTION LTD.	CORNER OF FORTUNE STREET AND OTTAWA STREET GOULBOURN TWP. ON	E/237.8	-1.69	24
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON	E/233.5	-1.30	24
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON	E/233.5	-1.30	25
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON	E/233.5	-1.30	25

<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON	E/233.5	-1.30	25
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON	E/233.5	-1.30	25
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON	E/233.5	-1.30	26
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON K0A 2Z0	E/233.5	-1.30	26
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON K0A 2Z0	E/233.5	-1.30	26
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. Richmond ON K0A 2Z0	E/233.5	-1.30	26
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. W. (behind) Richmond ON K0A 2Z0	E/233.5	-1.30	27
GEN	67	Rabb Construction Ltd.	6250 Ottawa St. W. (behind) Richmond ON K0A 2Z0	E/233.5	-1.30	27
HINC	32		136 BURKE STREET WEST RICHMOND ON	NE/156.7	-1.00	27
SPL	32		136 Burke Street West, Richmond Ottawa ON	NE/156.7	-1.00	28
WWIS	2		ON <i>Well ID:</i> 1532446	NNE/46.8	-1.00	28
WWIS	3		ON <i>Well ID:</i> 1532447	NE/62.4	-1.00	31
WWIS	4		lot 22 con 3 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 ON Well ID: 1509980	ENE/82.6	-1.00	41
WWIS	6		lot 23 con 3 ON Well ID: 1509983	NE/80.1	-1.00	43
WWIS	7		lot 23 con 3 ON Well ID: 1509979	ENE/83.4	-1.00	45
WWIS	8		lot 23 con 3 ON Well ID: 1509976	ENE/88.8	-1.00	47
WWIS	9		lot 23 con 3 ON Well ID: 1509978	ENE/79.7	-1.00	50
WWIS	10		lot 23 con 3 ON Well ID: 1509731	E/73.4	-1.00	52
WWIS	11		lot 22 con 3 ON Well ID: 1518712	ENE/103.6	-1.00	54
WWIS	11		lot 22 con 3 ON Well ID: 1518776	ENE/103.6	-1.00	57
WWIS	11		lot 22 con 3 ON Well ID: 1518777	ENE/103.6	-1.00	60
WWIS	11		lot 22 con 3 ON Well ID: 1519025	ENE/103.6	-1.00	63
WWIS	12		lot 22 con 3 RICHMOND ON Well ID: 1535184	SE/23.8	0.00	65
WWIS	13		ON Well ID: 1510852	NNE/69.2	-1.00	72
WWIS	15		lot 23 ON	ESE/18.5	0.00	74

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			<i>Well ID:</i> 1532281			
WWIS	16		ON	NNE/27.5	-1.00	78
			<i>Well ID:</i> 1515285			
WWIS	17		ON	NE/87.9	-1.00	81
			<i>Well ID:</i> 1510076			
WWIS	18		lot 23 con 3 ON	E/82.5	-1.00	84
			<i>Well ID:</i> 1509982			
WWIS	19		lot 22 con 3 RICHMOND ON	SE/13.9	0.00	86
			<i>Well ID:</i> 1534958			
WWIS	21		lot 22 con 3 ON	ESE/37.3	0.00	93
			<i>Well ID:</i> 1534653			
WWIS	22		lot 23 con 3 ON	E/87.5	-1.00	99
			<i>Well ID:</i> 1509723			
WWIS	23		ON	NNE/47.6	-1.00	101
			<i>Well ID:</i> 1515286			
WWIS	24		lot 25 con 3 RICHMOND ON	NNE/81.8	-1.00	104
			<i>Well ID:</i> 7219590			
WWIS	25		lot 23 con 3 ON	E/81.7	-1.00	112
			<i>Well ID:</i> 1509727			
WWIS	26		lot 21 con 2 RICHMOND ON	SE/18.6	0.00	114
			<i>Well ID:</i> 7112986			
WWIS	27		lot 22 con 3 RICHMOND ON	ESE/45.3	0.00	120
			<i>Well ID:</i> 7040884			
WWIS	28		ON	E/80.3	-1.00	126
			<i>Well ID:</i> 1509277			
WWIS	30		lot 22 con 3 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 ON	E/111.8	-1.00	131
			Well ID: 1519027			
WWIS	31		lot 22 con 3 ON	ESE/79.0	-0.31	134
			Well ID: 1517855			
WWIS	31		lot 22 con 3 ON	ESE/79.0	-0.31	137
			Well ID: 1518067			
WWIS	31		lot 22 con 3 ON	ESE/79.0	-0.31	140
			Well ID: 1518068			
WWIS	33		lot 23 con 3 ON	NE/137.3	-1.00	144
			Well ID: 1509730			
WWIS	34		lot 23 con 3 ON	NE/178.6	-1.00	146
			Well ID: 1509726			
WWIS	35		ON	NE/203.8	-1.00	148
			Well ID: 1509605			
WWIS	36		ON	NE/151.2	-1.00	150
			Well ID: 1515320			
WWIS	37		lot 23 con 3 ON	ENE/204.7	-1.00	153
			Well ID: 1509737			
WWIS	38		lot 23 con 3 ON	ENE/206.7	-1.00	156
			Well ID: 1509736			
WWIS	40		lot 23 con 3 ON	ENE/199.7	-1.00	158
			Well ID: 1509738			
WWIS	41		lot 23 con 3 ON	NE/174.9	-1.00	161
			Well ID: 1509984			
WWIS	42		ON	ENE/205.5	-1.00	163

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

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



Map : 0.25 Kilometer Radius

Order Number: 20200505026

Address: 6305 Ottawa Street West, Richmond, ON



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

75°51'W

45°10'30"N

45°10'30"N



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1:10000

Aerial Year: 2019

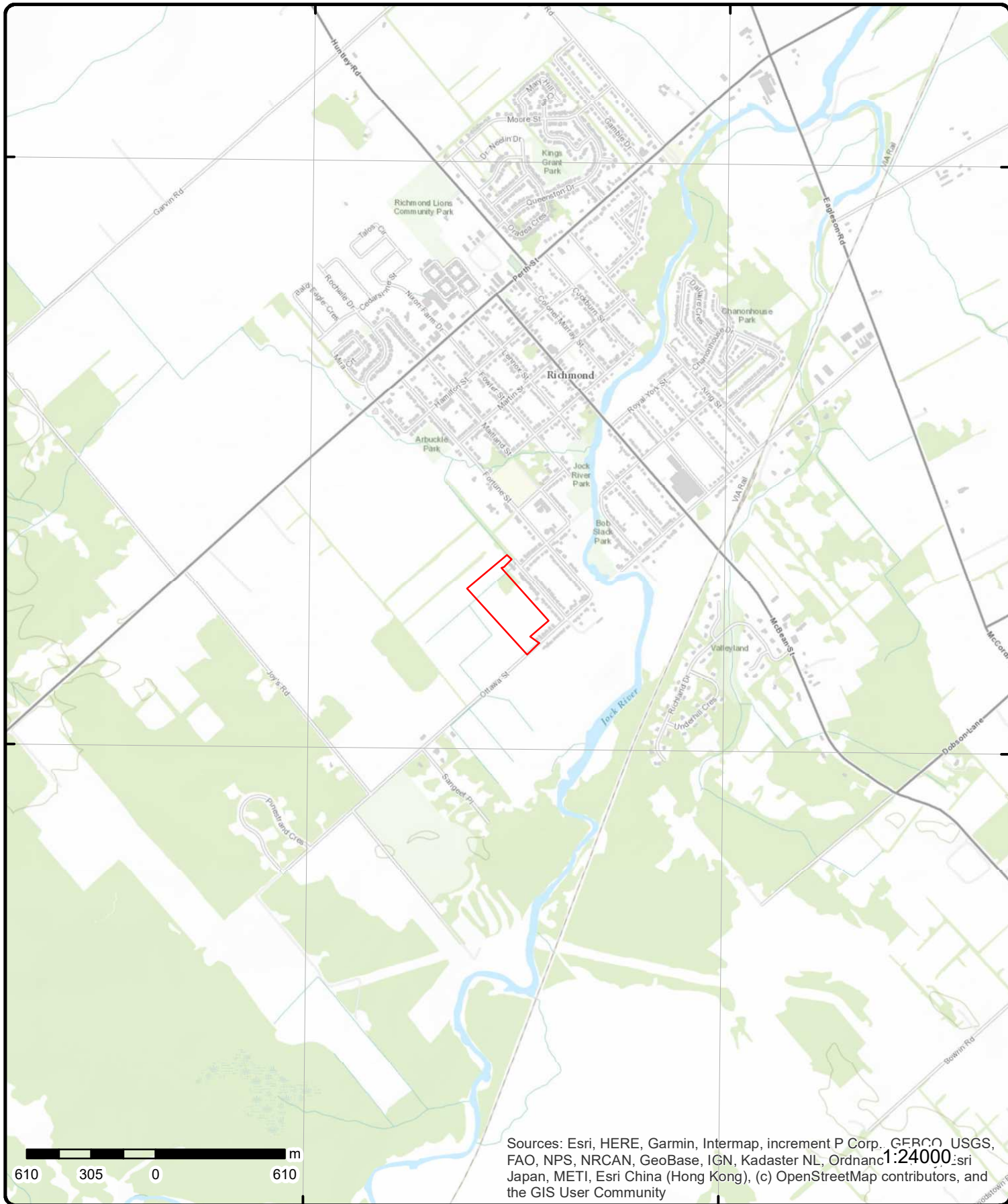
Address: 6305 Ottawa Street West, Richmond, ON

Source: ESRI World Imagery

Order Number: 20200505026



© ERIS Information Limited Partnership



Topographic Map

Address: 6305 Ottawa Street West, ON

Source: ESRI World Topographic Map

Order Number: 20200505026



© ERIS Information Limited Partnership

Detail Report

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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BORE	<u>14</u>	1 of 1	NNE/69.2	94.9 / -1.00	ON
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Borehole ID: 610292 OGF ID: 215511808 Status: Type: Borehole Use: Completion Date: AUG-1970 Static Water Level: 2.4 Primary Water Use: Sec. Water Use: Total Depth m: 21 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 96 Elev Reliabil Note: DEM Ground Elev m: 95.9 Concession: Location D: Survey D: Comments:	Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.182834 Longitude DD: -75.837014 UTM Zone: 18 Easting: 434241 Northing: 5003602 Location Accuracy: Accuracy: Not Applicable
--	---

Borehole Geology Stratum

Geology Stratum ID: 218385192 Top Depth: 0 Bottom Depth: 4.6 Material Color: Brown Material 1: Clay Material 2: Boulders Material 3: Material 4: Gsc Material Description: Stratum Description: CLAY,BOULDERS. BROWN.	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:
Geology Stratum ID: 218385193 Top Depth: 4.6 Bottom Depth: 21 Material Color: Brown Material 1: Limestone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: LIMESTONE. GREY. 00067307.0 FEET.AY. BROWN,COMPACT. SILT,SAND,TILL. BROWN,COMPACT,VERY D	Mat Consistency: Compact Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

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

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		

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
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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. 001000060. 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		

BORE	<u>51</u>	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:					

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

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

CA [52](#) 1 of 1 **NE/180.8** **94.9 / -1.00** **ALAN MATTHEWS
FORTUNE ST/BURKE ST.
(RICHMOND)
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:

CA [71](#) 1 of 2 **N/219.3** **94.9 / -1.00** **BRIAN ARBUCKLE
FORTUNE ST/YORK ST.
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:

CA [71](#) 2 of 2 **N/219.3** **94.9 / -1.00** **MARK RABB
FORTUNE ST./YORK ST.
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	<u>1</u>	1 of 1	SE/0.0	95.9 / 0.00	6305 Ottawa Street 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:					
EHS	<u>20</u>	1 of 1	SSE/0.0	95.9 / 0.00	Munster 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:					
GEN	<u>66</u>	1 of 1	E/237.8	94.2 / -1.69	RABB CONSTRUCTION LTD. CORNER OF FORTUNE STREET AND OTTAWA STREET 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				
GEN	<u>67</u>	1 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. 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. 6250 Ottawa St. 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:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

GEN	67	3 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. 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			
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

GEN	67	4 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. 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			
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

GEN	67	5 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. 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
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
GEN	<u>67</u>	6 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. Richmond ON
Generator No:	ON3304448		PO Box No:		
Status:			Country:		
Approval Years:	2013		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				
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
GEN	<u>67</u>	7 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. Richmond ON K0A 2Z0
Generator No:	ON3304448		PO Box No:		
Status:			Country:	Canada	
Approval Years:	2015		Choice of Contact:	CO_OFFICIAL	
Contam. Facility:	No		Co Admin:	Mark D Rabb	
MHSW Facility:	No		Phone No Admin:	(613) 838-7222 Ext.	
SIC Code:	237110				
SIC Description:	WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION				
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
GEN	<u>67</u>	8 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. Richmond ON K0A 2Z0
Generator No:	ON3304448		PO Box No:		
Status:			Country:	Canada	
Approval Years:	2016		Choice of Contact:	CO_OFFICIAL	
Contam. Facility:	No		Co Admin:	Mark D Rabb	
MHSW Facility:	No		Phone No Admin:	(613) 838-7222 Ext.	
SIC Code:	237110				
SIC Description:	WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION				
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
GEN	<u>67</u>	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			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Mark D Rabb
MHSW Facility:	No			Phone No Admin:	(613) 838-7222 Ext.
SIC Code:	237110				
SIC Description:	WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION				

Detail(s)

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

GEN	67	10 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. W. (behind) Richmond ON K0A 2Z0
Generator No:	ON3304448			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					

Detail(s)

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

GEN	67	11 of 11	E/233.5	94.6 / -1.30	Rabb Construction Ltd. 6250 Ottawa St. W. (behind) Richmond ON K0A 2Z0
Generator No:	ON3304448			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Oct 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					

Detail(s)

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

HINC	32	2 of 2	NE/156.7	94.9 / -1.00	136 BURKE STREET WEST 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:					

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:					

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11065466			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934116835			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		14			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934401003			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		14			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934918411			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		14			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934660970			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		14			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		934008660			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		71			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
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:

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Most Common Material:					
Mat2:		SAND			
Other Materials:		13			
Mat3:		BOULDERS			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		12			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933219886			
Layer:		1			
Plug From:		2			
Plug To:		22			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11065467			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
Casing ID:		930094859			
Layer:		2			
Material:		1			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934660971			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		13			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934401004			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		13			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934116836			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		13			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934918412			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		13			
Test Level UOM:		ft			
 <u>Water Details</u>					
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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Overburden and Bedrock Materials Interval</u>					
		932996550			
	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			
<u>Annular Space/Abandonment Sealing Record</u>					
		933269775			
	Plug ID:	933269775			
	Layer:	1			
	Plug From:	6.09			
	Plug To:	0			
	Plug Depth UOM:	m			
<u>Method of Construction & Well Use</u>					
		5			
	Method Construction ID:	5			
	Method Construction Code:	5			
	Method Construction:	Air Percussion			
	Other Method Construction:				
<u>Pipe Information</u>					
		11330926			
	Pipe ID:	11330926			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
		930855350			
	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			
<u>Construction Record - Casing</u>					
		930855349			
	Casing ID:	930855349			
	Layer:	1			
	Material:	1			
	Open Hole or Material:	STEEL			
	Depth From:	0			
	Depth To:	6.7			
	Casing Diameter:	15.88			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
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:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392557			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		12.83			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392558			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		6.99			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392561			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		2.7			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392550			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		5.81			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392568			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		13.08			
Test Level UOM:		m			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392546			
		Test Type: Draw Down			
		Test Duration: 60			
		Test Level: 13.41			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392548			
		Test Type: Recovery			
		Test Duration: 2			
		Test Level: 7.03			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392566			
		Test Type: Recovery			
		Test Duration: 20			
		Test Level: 2.89			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392551			
		Test Type: Recovery			
		Test Duration: 4			
		Test Level: 4.9			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392552			
		Test Type: Draw Down			
		Test Duration: 5			
		Test Level: 8.2			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392554			
		Test Type: Draw Down			
		Test Duration: 10			
		Test Level: 10.22			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392555			
		Test Type: Recovery			
		Test Duration: 10			
		Test Level: 3.3			
		Test Level UOM: m			
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID: 11392544			
		Test Type: Draw Down			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Duration:		1			
Test Level:		5.04			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392545			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		7.72			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392547			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		9.11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392549			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		6.15			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392559			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		3			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392560			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		2.65			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392563			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		12.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392564			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		2.81			
Test Level UOM:		m			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11392567			
	Test Type:	Draw Down			
	Test Duration:	20			
	Test Level:	11.98			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11392553			
	Test Type:	Recovery			
	Test Duration:	5			
	Test Level:	4.26			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11392556			
	Test Type:	Draw Down			
	Test Duration:	15			
	Test Level:	11.28			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11392562			
	Test Type:	Recovery			
	Test Duration:	30			
	Test Level:	2.76			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11392565			
	Test Type:	Draw Down			
	Test Duration:	25			
	Test Level:	12.41			
	Test Level UOM:	m			
<u>Water Details</u>					
	Water ID:	934060543			
	Layer:	1			
	Kind Code:				
	Kind:				
	Water Found Depth:	20.11			
	Water Found Depth UOM:	m			
<u>Water Details</u>					
	Water ID:	934060542			
	Layer:	2			
	Kind Code:				
	Kind:				
	Water Found Depth:	22.55			
	Water Found Depth UOM:	m			
<u>Hole Diameter</u>					
	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			

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Overburden and Bedrock Materials Interval</u>					
	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			
<u>Method of Construction & Well Use</u>					
	Method Construction ID:				
	Method Construction Code:	1			
	Method Construction:	Cable Tool			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10580582			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					
	Pump Test ID:	991509980			
	Pump Set At:				
	Static Level:	10			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		20			
		30			
		10			
		5			
		ft			
		GPM			
		2			
		CLOUDY			
		1			
		1			
		0			
		N			

Water Details

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

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
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 1/16/1969
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 95.837005
Elevrc:
Zone: 18
East83: 434270.6
North83: 5003552
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Overburden and Bedrock Materials Interval</u>					
	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			
<u>Overburden and Bedrock Materials Interval</u>					
	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			
<u>Method of Construction & Well Use</u>					
	Method Construction ID:				
	Method Construction Code:	1			
	Method Construction:	Cable Tool			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10580585			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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
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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	<u>7</u>	1 of 1	ENE/83.4	94.9 / -1.00	lot 23 con 3 ON
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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:	

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

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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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
	Formation Top Depth:	11			
	Formation End Depth:	60			
	Formation End Depth UOM:	ft			
<u>Method of Construction & Well Use</u>					
	Method Construction ID:				
	Method Construction Code:	1			
	Method Construction:	Cable Tool			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10580578			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					
	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
<u>Water Details</u>					
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:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
	Formation Top Depth:	10			
	Formation End Depth:	60			
	Formation End Depth UOM:	ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
	Method Construction ID:				
	Method Construction Code:	1			
	Method Construction:	Cable Tool			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10580580			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		991509978			
Pump Test ID:					
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

WWIS	10	1 of 1	E/73.4	94.9 / -1.00	lot 23 con 3 ON
Well ID:	1509731				
Construction Date:				Data Entry Status:	
Primary Water Use: Domestic				Data Src:	1
Sec. Water Use: 0				Date Received:	1/8/1969
Final Well Status: Water Supply				Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1503
Audit No:				Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	RICHMOND VILLAGE (GOULBOURN)
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	023
Overburden/Bedrock:				Concession:	03
Pump Rate:				Concession Name:	CON
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

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:			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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					
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code: 1					
Method Construction: Cable Tool					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 10580333					
Casing No: 1					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 930056162					
Layer: 1					
Material: 1					
Open Hole or Material: STEEL					
Depth From:					
Depth To: 18					
Casing Diameter: 5					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Water Details</u>					
Water ID:		933464623			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		58			
Water Found Depth UOM:		ft			

WWIS

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1 of 4

ENE/103.6

94.9 / -1.00

lot 22 con 3
ON

Well ID:	1518712	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	11/9/1983
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:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10040582
DP2BR: 5
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/13/1983
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: 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:

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934650429			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934104024			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933475492			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		38			
Water Found Depth UOM:		ft			

WWIS	<u>11</u>	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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Date Completed:	12/15/1983			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: 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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		63			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
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			
 <u>Results of Well Yield Testing</u>					
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934103252			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934650493			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
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
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934900030			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933475573			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		58			
Water Found Depth UOM:		ft			

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		2			
		2			
		GREY			
		15			
		LIMESTONE			
		2			
		63			
		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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
Depth From:					
Depth To:		21			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934650494			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380511			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934103253			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934900031			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933475574			
Layer:		1			
Kind Code:		1			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Kind:		FRESH			
Water Found Depth:		59			
Water Found Depth UOM:		ft			

WWIS	11	4 of 4	ENE/103.6	94.9 / -1.00	lot 22 con 3 ON
Well ID:	1519025			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:	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:	10040895			Elevation:	96.231697
DP2BR:	10			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:	5/18/1984			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:	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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
		931040360			
Formation ID:					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10589465			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991519025			
Pump Set At:					
Static Level:		6			
Final Level After Pumping:		30			
Recommended Pump Depth:		30			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934900678			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934381586			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934106426			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934651566			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933475891			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		58			
Water Found Depth UOM:		ft			

WWIS

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SE/23.8

95.9 / 0.00

lot 22 con 3
RICHMOND ON

Well ID: 1535184
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 11/16/2004
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		24.99			
		m			
<u>Annular Space/Abandonment Sealing Record</u>					
		933253350			
		1			
		6.7			
		0			
		m			
<u>Method of Construction & Well Use</u>					
		5			
		Air Percussion			
<u>Pipe Information</u>					
		11181455			
		1			
<u>Construction Record - Casing</u>					
		930843297			
		1			
		1			
		STEEL			
		0			
		7.31			
		15.88			
		cm			
		m			
<u>Construction Record - Casing</u>					
		930843298			
		2			
		4			
		OPEN HOLE			
		6.7			
		24.99			
		cm			
		m			
<u>Results of Well Yield Testing</u>					
		11189786			
		21.33			
		2.87			
		22.88			
		21.33			
		34.07			
		34.07			
		m			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
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:					
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301072			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		8.26			
Test Level UOM:		m			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301067			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		17.98			
Test Level UOM:		m			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301074			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		8.97			
Test Level UOM:		m			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301083			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		3.35			
Test Level UOM:		m			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301086			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		19.87			
Test Level UOM:		m			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301088			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		21.47			
Test Level UOM:		m			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301080			
Test Type:		Draw Down			
Test Duration:		20			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Test Level:</i>		16.08			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301075			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		11.83			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301091			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		3.04			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301066			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		5.54			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301076			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		12.3			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301081			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		3.5			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301090			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		22.88			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11301077			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		8.23			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pump Test Detail ID:		11301082			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		17.29			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301084			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		18.26			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301087			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		3.14			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301068			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		6.62			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301069			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		16.26			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301071			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		14.73			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301085			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		3.26			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301070			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		7.5			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301073			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		13.32			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301078			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		14.6			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301079			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		3.88			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11301089			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		3.09			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934050673			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		20.11			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		934050674			
Layer:		2			
Kind Code:					
Kind:					
Water Found Depth:		22.55			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
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
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WWIS 13 1 of 1 NNE/69.2 94.9 / -1.00 ON

Well ID: 1510852
 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: 9/28/1970
 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: 10032855
 DP2BR: 15
 Spatial Status:
 Code OB: r
 Code OB Desc: Bedrock
 Open Hole:
 Cluster Kind:
 Date Completed: 8/3/1970
 Remarks:
 Elevrc Desc:
 Location Source Date:
 Improvement Location Source:
 Improvement Location Method:
 Source Revision Comment:
 Supplier Comment:

Elevation: 95.858818
 Elevrc:
 Zone: 18
 East83: 434240.6
 North83: 5003602
 Org CS:
 UTMRC: 4
 UTMRC Desc: margin of error : 30 m - 100 m
 Location Method: p4

**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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581425			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097409			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		15			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934641720			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		29			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934899062			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		35			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380144			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		23			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933465881			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		67			
Water Found Depth UOM:		ft			

WWIS	<u>15</u>	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

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

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Pump Test ID:</i>		991532281			
<i>Pump Set At:</i>					
<i>Static Level:</i>		13			
<i>Final Level After Pumping:</i>		50			
<i>Recommended Pump Depth:</i>		50			
<i>Pumping Rate:</i>		25			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		25			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		2			
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		N			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		934917288			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		13			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		934116266			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		13			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		934399880			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		13			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		934660402			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		45			
<i>Test Level:</i>		13			
<i>Test Level UOM:</i>		ft			
 <i><u>Water Details</u></i>					
<i>Water ID:</i>		934008451			
<i>Layer:</i>		1			
<i>Kind Code:</i>		1			
<i>Kind:</i>		FRESH			
<i>Water Found Depth:</i>		50			
<i>Water Found Depth UOM:</i>		ft			
 <i><u>Water Details</u></i>					
<i>Water ID:</i>		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			
<u>Water Details</u>					
Water ID:		934008452			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		53			
Water Found Depth UOM:		ft			

WWIS	16	1 of 1	NNE/27.5	94.9 / -1.00	ON
Well ID:	1515285			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:				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:	10037242			Elevation:	95.583572
DP2BR:	15			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	434201.6
Code OB Desc:	Bedrock			North83:	5003617
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	3/23/1976			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:	931028765
Layer:	1
Color:	6

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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					
<u>Overburden and Bedrock Materials Interval</u>					
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					
<u>Overburden and Bedrock Materials Interval</u>					
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					
<u>Overburden and Bedrock Materials Interval</u>					
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					
<u>Method of Construction & Well</u>					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10585812			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100094			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		75			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376433			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646310			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895436			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		75			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933471340			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		113			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933471339			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		65			
Water Found Depth UOM:		ft			

WWIS

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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:

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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:	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:	4
Cluster Kind:		UTMRC:	
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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
	Method Construction ID:				
	Method Construction Code:	1			
	Method Construction:	Cable Tool			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10580677			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	Casing ID:	930056832			
	Layer:	1			
	Material:	1			
	Open Hole or Material:	STEEL			
	Depth From:				

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		22			
		5			
		inch			
		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

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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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	<u>19</u>	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

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11181229			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11189602			
Pump Set At:		30.48			
Static Level:		2.01			
Final Level After Pumping:		9.81			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Recommended Pump Depth:</i>		22.85			
<i>Pumping Rate:</i>		36.4			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		36.4			
<i>Levels UOM:</i>		m			
<i>Rate UOM:</i>		LPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i>					
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11258667			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		4.83			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11258675			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		7.64			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11258679			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		8.85			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11258681			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		9.11			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11258688			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		2.14			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11258690			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		2.13			
<i>Test Level UOM:</i>		m			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258665			
	Test Type:	Draw Down			
	Test Duration:	1			
	Test Level:	4.09			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258685			
	Test Type:	Draw Down			
	Test Duration:	40			
	Test Level:	9.57			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258672			
	Test Type:	Recovery			
	Test Duration:	4			
	Test Level:	4.14			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258676			
	Test Type:	Recovery			
	Test Duration:	10			
	Test Level:	2.39			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258678			
	Test Type:	Recovery			
	Test Duration:	15			
	Test Level:	2.22			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258686			
	Test Type:	Recovery			
	Test Duration:	40			
	Test Level:	2.14			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258673			
	Test Type:	Draw Down			
	Test Duration:	5			
	Test Level:	6.27			
	Test Level UOM:	m			
<u>Draw Down & Recovery</u>					
	Pump Test Detail ID:	11258680			
	Test Type:	Recovery			
	Test Duration:	20			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level:		2.18			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258669			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		5.42			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258670			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		5.05			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258671			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		5.99			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258677			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		8.38			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258682			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		2.1			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258666			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		7.66			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11258674			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		3.68			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Pump Test Detail ID:</i>		11258684			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		2.15			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11258687			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		9.7			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11258668			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		6			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11258683			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		9.3			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11258689			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		9.81			
<i>Test Level UOM:</i>		m			
 <i><u>Water Details</u></i>					
<i>Water ID:</i>		934050400			
<i>Layer:</i>		1			
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>		37.79			
<i>Water Found Depth UOM:</i>		m			
 <i><u>Hole Diameter</u></i>					
<i>Hole ID:</i>		11305799			
<i>Diameter:</i>		22.75			
<i>Depth From:</i>		0			
<i>Depth To:</i>		8.53			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
 <i><u>Hole Diameter</u></i>					
<i>Hole ID:</i>		11305798			
<i>Diameter:</i>		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			

WWIS	21	1 of 1	ESE/37.3	95.9 / 0.00	lot 22 con 3 ON
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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
	Plug ID:	933248760			
	Layer:	1			
	Plug From:	6.1			
	Plug To:	0			
	Plug Depth UOM:	m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
	Method Construction ID:				
	Method Construction Code:	5			
	Method Construction:	Air Percussion			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	11109439			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	Casing ID:	930837452			
	Layer:	2			
	Material:	4			
	Open Hole or Material:	OPEN HOLE			
	Depth From:	6.1			
	Depth To:	30.5			
	Casing Diameter:				

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
 <u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		11117430			
<i>Pump Set At:</i>					
<i>Static Level:</i>		2.66			
<i>Final Level After Pumping:</i>		15.9			
<i>Recommended Pump Depth:</i>		24.4			
<i>Pumping Rate:</i>		68.25			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		68.25			
<i>Levels UOM:</i>		m			
<i>Rate UOM:</i>		LPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>					
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11125247			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		15.69			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11125250			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		11.64			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11125258			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		2.69			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11125260			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		2.68			
<i>Test Level UOM:</i>		m			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11125262			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		2.67			
<i>Test Level UOM:</i>		m			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125240			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		9.15			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125242			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		12.82			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125248			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		15.82			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125236			
Test Type:		Recovery			
Test Duration:		0			
Test Level:		15.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125244			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		14.77			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125245			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		15.19			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125251			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		9.32			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125252			
Test Type:		Recovery			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Duration:		3			
Test Level:		7.45			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125257			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		2.7			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125237			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		5.61			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125239			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		8.23			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125259			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		2.68			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125241			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		10			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125243			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		14.07			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125249			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		15.9			
Test Level UOM:		m			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125254			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		4.61			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125255			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		2.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125261			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		2.67			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125235			
Test Type:		Draw Down			
Test Duration:		0			
Test Level:		2.66			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125238			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		7.03			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125246			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		15.45			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125253			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		5.56			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11125256			
Test Type:		Recovery			
Test Duration:		15			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level:		2.71			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934046457			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		29			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		934046456			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		28			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11109438			
Diameter:		15.55			
Depth From:		0			
Depth To:		30.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

WWIS	22	1 of 1	E/87.5	94.9 / -1.00	lot 23 con 3 ON
Well ID:	1509723			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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	10031755			Elevation:	97.170249
DP2BR:	10			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	434400.6
Code OB Desc:	Bedrock			North83:	5003417
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580325			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930056146			
Layer:		1			
Material:		1			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		18			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
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			
 <u>Results of Well Yield Testing</u>					
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			
 <u>Water Details</u>					
Water ID:		933464615			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			

WWIS

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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:	

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		931028769			
		1			
		6			
		BROWN			
		28			
		SAND			
		12			
		STONES			
		77			
		LOOSE			
		0			
		2			
		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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376434			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895437			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100095			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646311			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933471342			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		124			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		933471341			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		45			
Water Found Depth UOM:		ft			

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
	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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Formation ID:</i>		1005129790			
<i>Layer:</i>		6			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		18			
<i>Most Common Material:</i>		SANDSTONE			
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		251			
<i>Formation End Depth:</i>		260			
<i>Formation End Depth UOM:</i>		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1005129826			
<i>Layer:</i>		2			
<i>Plug From:</i>		48			
<i>Plug To:</i>		0			
<i>Plug Depth UOM:</i>		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1005129825			
<i>Layer:</i>		1			
<i>Plug From:</i>		58			
<i>Plug To:</i>		48			
<i>Plug Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		5			
<i>Method Construction:</i>		Air Percussion			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		1005129783			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1005129794			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>		-2			
<i>Depth To:</i>		58			
<i>Casing Diameter:</i>		6.25			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Construction Record - Screen</u>					
Screen ID:		1005129796			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
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:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129797			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		18.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129799			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		20.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129808			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		12.667			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129809			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		36.417			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129815			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		43.583			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129816			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		12.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129817			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		44			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129818			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		12.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129803			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		28.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129812			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		12.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pump Test Detail ID:		1005129813			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		42.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129819			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		44.167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129820			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		12.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129822			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		12.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129798			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		31.583			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129800			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		26.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129801			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		22.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129804			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		17.333			
Test Level UOM:		ft			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129807			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		32.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129821			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		44.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129805			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		28.75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129811			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		40.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129802			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		21.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129814			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		12.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129806			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		14.583			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005129810			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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
DP2BR: 6
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Elevation: 97.308517
Elevrc:
Zone: 18
East83: 434410.6
North83: 5003397

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	11/14/1968			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580329			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930056155			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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					
 <u>Construction Record - Casing</u>					
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					
 <u>Results of Well Yield Testing</u>					
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					
 <u>Water Details</u>					
Water ID: 933464619					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 62					
Water Found Depth UOM: ft					

WWIS

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1 of 1

SE/18.6

95.9 / 0.00

lot 21 con 2
RICHMOND ON

Well ID: 7112986
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z77377
Tag: A051525
Construction Method:
Elevation (m):

Data Entry Status:
Data Src:
Date Received: 10/14/2008
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 4
Owner:
Street Name: 6306 OTTAWA ST.
County: OTTAWA-CARLETON
Municipality: GOULBOURN TOWNSHIP

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1001846122			
Layer:		1			
Plug From:		8.68			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:		AIR PERC.			
<u>Pipe Information</u>					
Pipe ID:		1001846115			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1001846125			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
Depth From:					
Depth To:		-0.45			
Casing Diameter:		15.86			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1001846126			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846135			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		9.05			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846142			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		2.53			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846143			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		20.95			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pump Test Detail ID:		1001846131			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		6.64			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846129			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		5.48			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846145			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		22.46			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846147			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		24.3			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846136			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		15.52			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846144			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		1.76			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846128			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		23.57			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846141			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		19.09			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846146			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		1.2			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846127			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		3.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846133			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		8.01			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846148			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		26.01			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846149			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		26.88			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846130			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		21.29			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001846132			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		19.36			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Pump Test Detail ID:</u> 1001846134					
<u>Test Type:</u> Recovery					
<u>Test Duration:</u> 4					
<u>Test Level:</u> 17.4					
<u>Test Level UOM:</u> m					
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u> 1001846137					
<u>Test Type:</u> Draw Down					
<u>Test Duration:</u> 10					
<u>Test Level:</u> 13.54					
<u>Test Level UOM:</u> m					
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u> 1001846138					
<u>Test Type:</u> Recovery					
<u>Test Duration:</u> 10					
<u>Test Level:</u> 8.7					
<u>Test Level UOM:</u> m					
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u> 1001846139					
<u>Test Type:</u> Draw Down					
<u>Test Duration:</u> 15					
<u>Test Level:</u> 16.67					
<u>Test Level UOM:</u> m					
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u> 1001846140					
<u>Test Type:</u> Recovery					
<u>Test Duration:</u> 15					
<u>Test Level:</u> 4.64					
<u>Test Level UOM:</u> m					
<u>Water Details</u>					
<u>Water ID:</u> 1001846123					
<u>Layer:</u> 1					
<u>Kind Code:</u> 5					
<u>Kind:</u> Not stated					
<u>Water Found Depth:</u> 34.44					
<u>Water Found Depth UOM:</u> m					
<u>Hole Diameter</u>					
<u>Hole ID:</u> 1001846121					
<u>Diameter:</u> 15.23					
<u>Depth From:</u>					
<u>Depth To:</u> 37.48					
<u>Hole Depth UOM:</u> m					
<u>Hole Diameter UOM:</u> cm					

WWIS

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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:

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		6.71			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933314136			
Layer:		1			
Plug From:		8.84			
Plug To:		5.79			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933314137			
Layer:		2			
Plug From:		5.79			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11771010			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
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:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817302			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		25.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817307			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		9.04			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817308			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		21.7			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817424			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		6.6			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817427			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30.07			
Test Level UOM:		m			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817312			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		10.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817430			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		32.57			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817300			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		28.92			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817301			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		5.1			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817303			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		6.54			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817429			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		31.32			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817313			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		24.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11817431			
Test Type:		Draw Down			
Test Duration:		60			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Test Level:</i>		33.84			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817306			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		23			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817309			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		14.8			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817428			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		0.85			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817426			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		2.41			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817299			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		3.7			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817305			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		7.8			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11817311			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		14.6			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Pump Test Detail ID:</i> 11817425					
<i>Test Type:</i> Draw Down					
<i>Test Duration:</i> 25					
<i>Test Level:</i> 27.23					
<i>Test Level UOM:</i> m					
<i>Draw Down & Recovery</i>					
<i>Pump Test Detail ID:</i> 11817304					
<i>Test Type:</i> Recovery					
<i>Test Duration:</i> 3					
<i>Test Level:</i> 24.5					
<i>Test Level UOM:</i> m					
<i>Draw Down & Recovery</i>					
<i>Pump Test Detail ID:</i> 11817310					
<i>Test Type:</i> Recovery					
<i>Test Duration:</i> 10					
<i>Test Level:</i> 16.3					
<i>Test Level UOM:</i> m					
<i>Water Details</i>					
<i>Water ID:</i> 934084148					
<i>Layer:</i> 1					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i> 34.14					
<i>Water Found Depth UOM:</i> m					
<i>Hole Diameter</i>					
<i>Hole ID:</i> 11849496					
<i>Diameter:</i> 15.23					
<i>Depth From:</i> 0					
<i>Depth To:</i> 36.57					
<i>Hole Depth UOM:</i> m					
<i>Hole Diameter UOM:</i> cm					

WWIS	28	1 of 1	E/80.3	94.9 / -1.00	ON
<i>Well ID:</i>	1509277				
<i>Construction Date:</i>				<i>Data Entry Status:</i>	
<i>Primary Water Use:</i>	Domestic			<i>Data Src:</i>	1
<i>Sec. Water Use:</i>	0			<i>Date Received:</i>	12/3/1963
<i>Final Well Status:</i>	Water Supply			<i>Selected Flag:</i>	Yes
<i>Water Type:</i>				<i>Abandonment Rec:</i>	
<i>Casing Material:</i>				<i>Contractor:</i>	1503
<i>Audit No:</i>				<i>Form Version:</i>	1
<i>Tag:</i>				<i>Owner:</i>	
<i>Construction Method:</i>				<i>Street Name:</i>	
<i>Elevation (m):</i>				<i>County:</i>	OTTAWA-CARLETON
<i>Elevation Reliability:</i>				<i>Municipality:</i>	RICHMOND VILLAGE
<i>Depth to Bedrock:</i>				<i>Site Info:</i>	
<i>Well Depth:</i>				<i>Lot:</i>	
<i>Overburden/Bedrock:</i>				<i>Concession:</i>	
<i>Pump Rate:</i>				<i>Concession Name:</i>	
<i>Static Water Level:</i>				<i>Easting NAD83:</i>	
<i>Flowing (Y/N):</i>				<i>Northing NAD83:</i>	
<i>Flow Rate:</i>				<i>Zone:</i>	
				<i>UTM Reliability:</i>	

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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	11/8/1983
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:	10040579			Elevation:	97.108596
DP2BR:	15			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:	10/28/1983			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:	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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Overburden and Bedrock Materials Interval</u>					
		931039298			
	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			
<u>Method of Construction & Well Use</u>					
	Method Construction ID:				
	Method Construction Code:	5			
	Method Construction:	Air Percussion			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10589149			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					
	Pump Test ID:	991518709			
	Pump Set At:				
	Static Level:	7			
	Final Level After Pumping:	30			
	Recommended Pump Depth:	30			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934650426			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380026			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934899546			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934104021			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933475489			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		79			
Water Found Depth UOM:		ft			

WWIS

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E/111.8

94.9 / -1.00

lot 23 con 3
ON

Well ID: 1519027
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 7/3/1984
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Formation End Depth:</i>		19			
<i>Formation End Depth UOM:</i>		ft			
<u>Overburden and Bedrock Materials Interval</u>					
<i>Formation ID:</i>		931040366			
<i>Layer:</i>		3			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		15			
<i>Most Common Material:</i>		LIMESTONE			
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		19			
<i>Formation End Depth:</i>		84			
<i>Formation End Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		5			
<i>Method Construction:</i>		Air Percussion			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10589467			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930071394			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		22			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		991519027			
<i>Pump Set At:</i>					
<i>Static Level:</i>		8			
<i>Final Level After Pumping:</i>		30			
<i>Recommended Pump Depth:</i>		30			
<i>Pumping Rate:</i>		20			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		6			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		2			
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934106428			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934651568			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934900680			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934381588			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933475893			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		81			
Water Found Depth UOM:		ft			

WWIS	<u>31</u>	1 of 3	ESE/79.0	95.6 / -0.31	lot 22 con 3 ON
Well ID:	1517855			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	7/8/1982
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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 10039727 DP2BR: 25 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 6/4/1982 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 97.186203 Elevrc: Zone: 18 East83: 434429.6 North83: 5003321 Org CS: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: p4	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 931036555 Layer: 3					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10588297			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991517855			
Pump Set At:					
Static Level:		8			
Final Level After Pumping:		30			
Recommended Pump Depth:		30			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646934			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934103061			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934896207			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376680			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933474430			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			

WWIS

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lot 22 con 3
ON

Well ID: 1518067
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 1/11/1983
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Formation End Depth:</i>		27			
<i>Formation End Depth UOM:</i>		ft			
<u>Overburden and Bedrock Materials Interval</u>					
<i>Formation ID:</i>		931037249			
<i>Layer:</i>		3			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		15			
<i>Most Common Material:</i>		LIMESTONE			
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		27			
<i>Formation End Depth:</i>		125			
<i>Formation End Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		5			
<i>Method Construction:</i>		Air Percussion			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10588508			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930069763			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		30			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		991518067			
<i>Pump Set At:</i>					
<i>Static Level:</i>		6			
<i>Final Level After Pumping:</i>		80			
<i>Recommended Pump Depth:</i>		80			
<i>Pumping Rate:</i>		7			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		7			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		2			
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647557			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377723			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934103392			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897248			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		80			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933474698			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		80			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933474699			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			

WWIS

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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:

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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:	4
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:	

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Formation Top Depth:</i>		24			
<i>Formation End Depth:</i>		125			
<i>Formation End Depth UOM:</i>		ft			
<u>Overburden and Bedrock Materials Interval</u>					
<i>Formation ID:</i>		931037250			
<i>Layer:</i>		1			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		05			
<i>Most Common Material:</i>		CLAY			
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		0			
<i>Formation End Depth:</i>		12			
<i>Formation End Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		5			
<i>Method Construction:</i>		Air Percussion			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10588509			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930069764			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		26			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930069765			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		125			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377724			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		100			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897249			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		100			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647558			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		100			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934103393			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		100			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933474700			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		933474701			
Layer:		2			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			

WWIS	33	1 of 1	NE/137.3	94.9 / -1.00	lot 23 con 3 ON
Well ID:	1509730			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:	10031762			Elevation:	95.727043
DP2BR:	10			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	434310.6
Code OB Desc:	Bedrock			North83:	5003662
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	11/1/1968			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:	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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580332			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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
		30			
		10			
		5			
		ft			
		GPM			
		2			
		CLOUDY			
		1			
		1			
		0			
		N			

Water Details

Water ID: 933464622
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 52
Water Found Depth UOM: ft

WWIS	34	1 of 1	NE/178.6	94.9 / -1.00	lot 23 con 3 ON
Well ID:	1509726				
Construction Date:				Data Entry Status:	
Primary Water Use:	Domestic			Data Src:	1
Sec. Water Use:	0			Date Received:	1/8/1969
Final Well Status:	Water Supply			Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1503
Audit No:				Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	RICHMOND VILLAGE (GOULBOURN)
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	023
Overburden/Bedrock:				Concession:	03
Pump Rate:				Concession Name:	CON
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

Bore Hole Information

Bore Hole ID: 10031758
DP2BR: 15
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/18/1968
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 95.884582
Elevrc:
Zone: 18
East83: 434355.6
North83: 5003637
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580328			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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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
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
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Bore Hole Information</u>					
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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10580207				

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

WWIS 36 1 of 1 NE/151.2 94.9 / -1.00 ON

Well ID: 1515320 Data Entry Status:
 Construction Date: Data Src: 1
 Primary Water Use: Domestic Date Received: 5/6/1976
 Sec. Water Use: 0 Selected Flag: Yes

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
	Formation Top Depth:	10			
	Formation End Depth:	122			
	Formation End Depth UOM:	ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
	Method Construction ID:				
	Method Construction Code:	5			
	Method Construction:	Air Percussion			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10585847			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					
	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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Pumping Test Method:</u>					
		1			
<u>Pumping Duration HR:</u>					
		1			
<u>Pumping Duration MIN:</u>					
		0			
<u>Flowing:</u>					
		N			
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u>					
		934895464			
<u>Test Type:</u>					
		Draw Down			
<u>Test Duration:</u>					
		60			
<u>Test Level:</u>					
		50			
<u>Test Level UOM:</u>					
		ft			
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u>					
		934376461			
<u>Test Type:</u>					
		Draw Down			
<u>Test Duration:</u>					
		30			
<u>Test Level:</u>					
		50			
<u>Test Level UOM:</u>					
		ft			
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u>					
		934646337			
<u>Test Type:</u>					
		Draw Down			
<u>Test Duration:</u>					
		45			
<u>Test Level:</u>					
		50			
<u>Test Level UOM:</u>					
		ft			
<u>Draw Down & Recovery</u>					
<u>Pump Test Detail ID:</u>					
		934100121			
<u>Test Type:</u>					
		Draw Down			
<u>Test Duration:</u>					
		15			
<u>Test Level:</u>					
		50			
<u>Test Level UOM:</u>					
		ft			
<u>Water Details</u>					
<u>Water ID:</u>					
		933471382			
<u>Layer:</u>					
		1			
<u>Kind Code:</u>					
		1			
<u>Kind:</u>					
		FRESH			
<u>Water Found Depth:</u>					
		124			
<u>Water Found Depth UOM:</u>					
		ft			

WWIS	<u>37</u>	1 of 1	ENE/204.7	94.9 / -1.00	lot 23 con 3 ON
<u>Well ID:</u>					
		1509737			
<u>Construction Date:</u>					
<u>Primary Water Use:</u>					
		Domestic			
<u>Sec. Water Use:</u>					
		0			
<u>Final Well Status:</u>					
		Water Supply			
<u>Water Type:</u>					
<u>Casing Material:</u>					
<u>Audit No:</u>					
<u>Tag:</u>					
<u>Construction Method:</u>					
<u>Elevation (m):</u>					
<u>Elevation Reliability:</u>					
<u>Depth to Bedrock:</u>					
<u>Data Entry Status:</u>					
<u>Data Src:</u>					
		1			
<u>Date Received:</u>					
		1/8/1969			
<u>Selected Flag:</u>					
		Yes			
<u>Abandonment Rec:</u>					
<u>Contractor:</u>					
		1503			
<u>Form Version:</u>					
		1			
<u>Owner:</u>					
<u>Street Name:</u>					
<u>County:</u>					
		OTTAWA-CARLETON			
<u>Municipality:</u>					
		RICHMOND VILLAGE (GOULBOURN)			
<u>Site Info:</u>					
<u>Lot:</u>					
		023			

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580339			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			

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

WWIS	38	1 of 1	ENE/206.7	94.9 / -1.00	lot 23 con 3 ON
Well ID:	1509736				
Construction Date:				Data Entry Status:	
Primary Water Use:	Domestic			Data Src:	1
Sec. Water Use:	0			Date Received:	1/8/1969
Final Well Status:	Water Supply			Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1503
Audit No:				Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	RICHMOND VILLAGE (GOULBOURN)
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	023
Overburden/Bedrock:				Concession:	03
Pump Rate:				Concession Name:	CON
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

Bore Hole Information

Bore Hole ID: 10031768
DP2BR: 20
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 12/10/1968
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 95.723083
Elevrc:
Zone: 18
East83: 434395.6
North83: 5003602
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock

Materials Interval

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580338			
Casing No:		1			
Comment:					
Alt Name:					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Construction Record - Casing</u>					
		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		
<u>Construction Record - Casing</u>					
		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		
<u>Results of Well Yield Testing</u>					
		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		
<u>Water Details</u>					
		Water ID:	933464628		
		Layer:	1		
		Kind Code:	1		
		Kind:	FRESH		
		Water Found Depth:	67		
		Water Found Depth UOM:	ft		

WWIS

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ENE/199.7

94.9 / -1.00

lot 23 con 3
ON

Well ID: 1509738
 Construction Date:
 Primary Water Use: Domestic
 Sec. Water Use: 0
 Final Well Status: Water Supply
 Water Type:
 Casing Material:
 Audit No:

Data Entry Status:
 Data Src: 1
 Date Received: 1/8/1969
 Selected Flag: Yes
 Abandonment Rec:
 Contractor: 1503
 Form Version: 1
 Owner:

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Tag:			Street Name:		
Construction Method:			County:		
Elevation (m):			Municipality:		
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:	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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580340			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991509738			
Pump Set At:					
Static Level:		4			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		8			
		30			
		10			
		5			
		ft			
		GPM			
		2			
		CLOUDY			
		1			
		1			
		0			
		N			

Water Details

Water ID: 933464630
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 58
Water Found Depth UOM: ft

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
DP2BR: 16
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 1/14/1969
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 95.704109
Elevrc:
Zone: 18
East83: 434350.6
North83: 5003652
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580586			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Water Details</u>					
Water ID:		933464904			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		58			
Water Found Depth UOM:		ft			

WWIS	42	1 of 1	ENE/205.5	94.9 / -1.00	ON
Well ID:		1509985			
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:		4/2/1969			
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:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					

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

WWIS

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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

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Other Materials:</i>					
	<i>Formation Top Depth:</i>	23			
	<i>Formation End Depth:</i>	125			
	<i>Formation End Depth UOM:</i>	ft			
<u>Method of Construction & Well Use</u>					
	<i>Method Construction ID:</i>				
	<i>Method Construction Code:</i>	1			
	<i>Method Construction:</i>	Cable Tool			
	<i>Other Method Construction:</i>				
<u>Pipe Information</u>					
	<i>Pipe ID:</i>	10587416			
	<i>Casing No:</i>	1			
	<i>Comment:</i>				
	<i>Alt Name:</i>				
<u>Construction Record - Casing</u>					
	<i>Casing ID:</i>	930068141			
	<i>Layer:</i>	1			
	<i>Material:</i>	1			
	<i>Open Hole or Material:</i>	STEEL			
	<i>Depth From:</i>				
	<i>Depth To:</i>	25			
	<i>Casing Diameter:</i>	6			
	<i>Casing Diameter UOM:</i>	inch			
	<i>Casing Depth UOM:</i>	ft			
<u>Results of Well Yield Testing</u>					
	<i>Pump Test ID:</i>	991516959			
	<i>Pump Set At:</i>				
	<i>Static Level:</i>	2			
	<i>Final Level After Pumping:</i>	25			
	<i>Recommended Pump Depth:</i>	25			
	<i>Pumping Rate:</i>	10			
	<i>Flowing Rate:</i>				
	<i>Recommended Pump Rate:</i>	10			
	<i>Levels UOM:</i>	ft			
	<i>Rate UOM:</i>	GPM			
	<i>Water State After Test Code:</i>	2			
	<i>Water State After Test:</i>	CLOUDY			
	<i>Pumping Test Method:</i>	2			
	<i>Pumping Duration HR:</i>	1			
	<i>Pumping Duration MIN:</i>	0			
	<i>Flowing:</i>	N			
<u>Draw Down & Recovery</u>					
	<i>Pump Test Detail ID:</i>	934643595			
	<i>Test Type:</i>	Draw Down			
	<i>Test Duration:</i>	45			
	<i>Test Level:</i>	25			
	<i>Test Level UOM:</i>	ft			
<u>Draw Down & Recovery</u>					
	<i>Pump Test Detail ID:</i>	934102510			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934901078			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934382089			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933473351			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933473352			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			

WWIS	44	1 of 1	S/101.1	95.9 / 0.00	ON
Well ID:	1509173			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/5/1958
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4832
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:					

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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
	Formation Top Depth:	19			
	Formation End Depth:	56			
	Formation End Depth UOM:	ft			
<u>Method of Construction & Well Use</u>					
	Method Construction ID:				
	Method Construction Code:	1			
	Method Construction:	Cable Tool			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10580326			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					
	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
<u>Water Details</u>					
Water ID:		933464616			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		55			
Water Found Depth UOM:		ft			

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:					

<u>Bore Hole Information</u>					
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:					

<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931059670				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
	Formation Top Depth:	0			
	Formation End Depth:	1			
	Formation End Depth UOM:	ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
	Plug ID:	933110981			
	Layer:	1			
	Plug From:	0			
	Plug To:	22			
	Plug Depth UOM:	ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
	Method Construction ID:				
	Method Construction Code:	5			
	Method Construction:	Air Percussion			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10595295			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Construction Record - Casing</u>					
	Casing ID:	930081833			
	Layer:	2			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		123			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
 <u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		991524983			
<i>Pump Set At:</i>					
<i>Static Level:</i>		8			
<i>Final Level After Pumping:</i>		110			
<i>Recommended Pump Depth:</i>		110			
<i>Pumping Rate:</i>		5			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		5			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		2			
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		N			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934110580			
<i>Test Type:</i>					
<i>Test Duration:</i>		15			
<i>Test Level:</i>		110			
<i>Test Level UOM:</i>		ft			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934385988			
<i>Test Type:</i>					
<i>Test Duration:</i>		30			
<i>Test Level:</i>		110			
<i>Test Level UOM:</i>		ft			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934904144			
<i>Test Type:</i>					
<i>Test Duration:</i>		60			
<i>Test Level:</i>		110			
<i>Test Level UOM:</i>		ft			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934655769			
<i>Test Type:</i>					
<i>Test Duration:</i>		45			
<i>Test Level:</i>		110			
<i>Test Level UOM:</i>		ft			
 <u>Water Details</u>					
<i>Water ID:</i>		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

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934896048			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377048			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647341			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
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
<u>Water Details</u>					
Water ID:		933471627			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		70			
Water Found Depth UOM:		ft			

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:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
	Formation Top Depth:	0			
	Formation End Depth:	13			
	Formation End Depth UOM:	ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
	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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
	Method Construction ID:				
	Method Construction Code:	5			
	Method Construction:	Air Percussion			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10586029			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	Casing ID:	930066088			
	Layer:	1			
	Material:	1			
	Open Hole or Material:	STEEL			
	Depth From:				
	Depth To:	25			
	Casing Diameter:	6			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934896049			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377049			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647342			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100981			
Test Type:		Draw Down			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
<u>Water Details</u>					
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:				Data Entry Status:	
Primary Water Use:	Domestic			Data Src:	1
Sec. Water Use:	0			Date Received:	8/15/1975
Final Well Status:	Water Supply			Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	3644
Audit No:				Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	RICHMOND VILLAGE
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	
Overburden/Bedrock:				Concession:	
Pump Rate:				Concession Name:	
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

Bore Hole Information

Bore Hole ID:	10036821			Elevation:	95.041236
DP2BR:	15			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	434380.6
Code OB Desc:	Bedrock			North83:	5003672
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	6/13/1975			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID:	931027513
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10585391			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934384097			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934893789			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100664			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934644664			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933470827			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		72			
Water Found Depth UOM:		ft			

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ON

Well ID: 1510268
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:

Data Entry Status:
Data Src: 1
Date Received: 10/30/1969
Selected Flag: Yes
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
Street Name:

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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580866			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991510268			
Pump Set At:					
Static Level:		5			
Final Level After Pumping:		10			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		20			
		10			
		5			
		ft			
		GPM			
		2			
		CLOUDY			
		2			
		1			
		0			
		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				
Construction Date:				Data Entry Status:	
Primary Water Use:	Domestic			Data Src:	1
Sec. Water Use:	0			Date Received:	1/8/1969
Final Well Status:	Water Supply			Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1503
Audit No:				Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	RICHMOND VILLAGE (GOULBOURN)
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	023
Overburden/Bedrock:				Concession:	03
Pump Rate:				Concession Name:	CON
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

Bore Hole Information

Bore Hole ID: 10031757
DP2BR: 23
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/26/1968
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 96.139266
Elevrc:
Zone: 18
East83: 434505.6
North83: 5003472
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580327			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					

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

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ON

Well ID: 1510290
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: 10/30/1969
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:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Bore Hole Information</u>					
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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10580888				

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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006090328			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		1006090329			
Layer:		2			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		1006090330			
Layer:		3			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006090327			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

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Well ID:	1515370			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	6/9/1976
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
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:					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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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
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<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376500			
Test Type:		Draw Down			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Duration:		30			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895502			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100855			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646794			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		20			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933471443			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		140			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933471441			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		65			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933471442			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		113			
Water Found Depth UOM:		ft			

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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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Mat3:					
Other Materials:					
	Formation Top Depth:	0			
	Formation End Depth:	9			
	Formation End Depth UOM:	ft			
<u>Overburden and Bedrock Materials Interval</u>					
	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			
<u>Method of Construction & Well Use</u>					
	Method Construction ID:				
	Method Construction Code:	4			
	Method Construction:	Rotary (Air)			
	Other Method Construction:				
<u>Pipe Information</u>					
	Pipe ID:	10588149			
	Casing No:	1			
	Comment:				
	Alt Name:				
<u>Construction Record - Casing</u>					
	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			
<u>Results of Well Yield Testing</u>					
	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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376122			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895650			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646375			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		9			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933474232			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		25			
Water Found Depth UOM:		ft			

WWIS	<u>57</u>	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:					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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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
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<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377135			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646970			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934896244			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		8			
Test Level UOM:		ft			
<u>Water Details</u>					
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			
<u>Water Details</u>					
Water ID:		933474485			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		53			
Water Found Depth UOM:		ft			

WWIS	58	1 of 1	ENE/238.1	94.2 / -1.69	lot 22 con 3 RICHMOND ON
Well ID:	7156128			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	12/9/2010
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1558
Casing Material:				Form Version:	7
Audit No:	Z115607			Owner:	
Tag:	A102493			Street Name:	114 FORRUNE 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:	1003434952			Elevation:	95.438316
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434499
Code OB Desc:				North83:	5003533
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	9/2/2010			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:	1003733482
Layer:	1
Color:	6

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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					
<u>Overburden and Bedrock Materials Interval</u>					
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					
<u>Overburden and Bedrock Materials Interval</u>					
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					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1003733510					
Layer: 1					
Plug From: 7.31					
Plug To: 0					
Plug Depth UOM: m					
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code: 2					
Method Construction: Rotary (Convent.)					
Other Method Construction: AIR PERCUSSION					
<u>Pipe Information</u>					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Pipe ID:</i>		1003733480			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1003733489			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>		-0.45			
<i>Depth To:</i>		7.31			
<i>Casing Diameter:</i>		15.86			
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1003733490			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>					
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		1003733481			
<i>Pump Set At:</i>		30.47			
<i>Static Level:</i>		2.63			
<i>Final Level After Pumping:</i>		3.78			
<i>Recommended Pump Depth:</i>		21.33			
<i>Pumping Rate:</i>		45.5			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		45.5			
<i>Levels UOM:</i>		m			
<i>Rate UOM:</i>		LPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		0			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i>					
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1003733492			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		2.8			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1003733493			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		3.54			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733495			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		3.59			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733499			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		3.67			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733503			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		3.76			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733504			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		3.77			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733494			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		2.68			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733502			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		3.75			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733497			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		3.61			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pump Test Detail ID:		1003733501			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		3.71			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733491			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		3.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733506			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		3.78			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733500			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		3.69			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733496			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		2.63			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733498			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		3.62			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003733505			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		3.78			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1003733487			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		18.28			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		1003733488			
Layer:		2			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		51.5			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003733486			
Diameter:		15.23			
Depth From:		7.31			
Depth To:		52.72			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1003733485			
Diameter:		15.86			
Depth From:		0			
Depth To:		7.31			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

WWIS	59	1 of 1	NE/218.9	94.9 / -1.00	RICHMOND ON
Well ID:	7248793				
Construction Date:					
Primary Water Use:	Domestic				
Sec. Water Use:					
Final Well Status:	Water Supply				
Water Type:					
Casing Material:					
Audit No:	Z191516				
Tag:	A187032				
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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1005699716				
DP2BR:					
Spatial Status:					
Code OB:					
Code OB Desc:					
Open Hole:					
Cluster Kind:					
Date Completed:	6/30/2015				
Elevation:				95.024085	
Elevrc:					
Zone:				18	
East83:				434387	
North83:				5003692	
Org CS:				UTM83	
UTMRC:				4	
UTMRC Desc:				margin of error : 30 m - 100 m	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Remarks:			Location Method:		WWF
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005727952			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005727990			
Layer:		2			
Plug From:		10			
Plug To:		0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005727989			
Layer:		1			
Plug From:		20			
Plug To:		10			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005727949			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
Casing ID:		1005727958			
Layer:		1			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>		-2			
<i>Depth To:</i>		20			
<i>Casing Diameter:</i>		6.25			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
 <u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1005727960			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		ft			
<i>Screen Diameter UOM:</i>		inch			
<i>Screen Diameter:</i>					
 <u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		1005727950			
<i>Pump Set At:</i>		160			
<i>Static Level:</i>		5.42			
<i>Final Level After Pumping:</i>		73.67			
<i>Recommended Pump Depth:</i>		120			
<i>Pumping Rate:</i>		15			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		12			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		0			
<i>Water State After Test:</i>					
<i>Pumping Test Method:</i>		0			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i>					
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005727962			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		64.583			
<i>Test Level UOM:</i>		ft			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005727965			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		30.417			
<i>Test Level UOM:</i>		ft			
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005727982			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		5.417			
<i>Test Level UOM:</i>		ft			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727967		
		Test Type:	Draw Down		
		Test Duration:	4		
		Test Level:	35.75		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727969		
		Test Type:	Draw Down		
		Test Duration:	5		
		Test Level:	39.5		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727975		
		Test Type:	Draw Down		
		Test Duration:	20		
		Test Level:	70.583		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727963		
		Test Type:	Draw Down		
		Test Duration:	2		
		Test Level:	22.167		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727966		
		Test Type:	Recovery		
		Test Duration:	3		
		Test Level:	41.25		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727978		
		Test Type:	Recovery		
		Test Duration:	25		
		Test Level:	5.417		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727979		
		Test Type:	Draw Down		
		Test Duration:	30		
		Test Level:	73.667		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	1005727983		
		Test Type:	Draw Down		

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		50			
		73.667			
		ft			
<u>Draw Down & Recovery</u>					
		1005727986			
		Recovery			
		60			
		5.417			
		ft			
<u>Draw Down & Recovery</u>					
		1005727968			
		Recovery			
		4			
		24.667			
		ft			
<u>Draw Down & Recovery</u>					
		1005727971			
		Draw Down			
		10			
		54.5			
		ft			
<u>Draw Down & Recovery</u>					
		1005727972			
		Recovery			
		10			
		5.417			
		ft			
<u>Draw Down & Recovery</u>					
		1005727973			
		Draw Down			
		15			
		66.083			
		ft			
<u>Draw Down & Recovery</u>					
		1005727974			
		Recovery			
		15			
		5.417			
		ft			
<u>Draw Down & Recovery</u>					
		1005727981			
		Draw Down			
		40			
		73.667			
		ft			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727977			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		72.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727961			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		16.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727976			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		5.417			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727984			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		5.417			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727985			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		73.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727964			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		53.75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727970			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		12.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005727980			
Test Type:		Recovery			
Test Duration:		30			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level:		5.417			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1005727957			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		173			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005727956			
Diameter:		5.9375			
Depth From:		20			
Depth To:		179			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1005698636				
DP2BR:					
Spatial Status:					
Code OB:					
Code OB Desc:					
Open Hole:					
Cluster Kind:					
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:					
Elevation:	94.675041				
Elevrc:					
Zone:	18				
East83:	434402				
North83:	5003684				
Org CS:	UTM83				
UTMRC:	4				

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Date Completed:</i>	7/8/2015			<i>UTMRC Desc:</i>	margin of error : 30 m - 100 m
<i>Remarks:</i>				<i>Location Method:</i>	wwr
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1005722234			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		20			
<i>Plug Depth UOM:</i>		ft			
<u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1005722235			
<i>Layer:</i>		1			
<i>Plug From:</i>		20			
<i>Plug To:</i>		5			
<i>Plug Depth UOM:</i>		ft			
<u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1005722236			
<i>Layer:</i>		2			
<i>Plug From:</i>		5			
<i>Plug To:</i>		0			
<i>Plug Depth UOM:</i>		ft			
<u><i>Pipe Information</i></u>					
<i>Pipe ID:</i>		1005722227			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u><i>Construction Record - Casing</i></u>					
<i>Casing ID:</i>		1005722231			
<i>Layer:</i>					
<i>Material:</i>					
<i>Open Hole or Material:</i>					
<i>Depth From:</i>					
<i>Depth To:</i>					
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u><i>Construction Record - Screen</i></u>					
<i>Screen ID:</i>		1005722232			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Screen Material:					
		ft			
		inch			
Hole Diameter					
		1005722229			
		ft			
		inch			

WWIS	61	1 of 1	E/194.9	94.9 / -1.00	lot 23 con 2 ON
Well ID:	1517733			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	3/3/1982
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:	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:	10039605			Elevation:	95.835426
DP2BR:	20			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	434529.6
Code OB Desc:	Bedrock			North83:	5003421
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	9/30/1981			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:	931036154				
Layer:	2				
Color:	2				
General Color:	GREY				

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10588175			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
Casing ID:		930069227			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		40			
Casing Diameter:		6			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376565			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934102945			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646401			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895676			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		20			
Test Level UOM:		ft			
<u>Water Details</u>					
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
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WWIS	62	1 of 1	NE/219.5	94.9 / -1.00	ON
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Well ID: 1510285
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: 10/30/1969
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:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032313 DP2BR: 17 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 7/21/1969 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	Elevation: 95.215637 Elevrc: Zone: 18 East83: 434380.6 North83: 5003712 Org CS: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: p4
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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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<i>Formation ID:</i>		931014439			
<i>Layer:</i>		2			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		14			
<i>Most Common Material:</i>		HARDPAN			
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		10			
<i>Formation End Depth:</i>		17			
<i>Formation End Depth UOM:</i>		ft			

**Overburden and Bedrock
Materials Interval**

<i>Formation ID:</i>		931014438			
<i>Layer:</i>		1			
<i>Color:</i>		6			
<i>General Color:</i>		BROWN			
<i>Mat1:</i>		05			
<i>Most Common Material:</i>		CLAY			
<i>Mat2:</i>		09			
<i>Other Materials:</i>		MEDIUM SAND			
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		0			
<i>Formation End Depth:</i>		10			
<i>Formation End Depth UOM:</i>		ft			

**Method of Construction & Well
Use**

<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					

Pipe Information

<i>Pipe ID:</i>		10580883			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					

Construction Record - Casing

<i>Casing ID:</i>		930057224			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		20			
<i>Casing Diameter:</i>		5			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			

Construction Record - Casing

<i>Casing ID:</i>		930057225			
<i>Layer:</i>		2			
<i>Material:</i>		4			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		61			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
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			
<u>Water Details</u>					
Water ID:		933465253			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			

WWIS	63	1 of 1	NNE/154.0	94.9 / -1.00	ON
Well ID:		1513381		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Domestic		Date Received:	
Sec. Water Use:		0		Selected Flag:	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor:	
Casing Material:				Form Version:	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	
Elevation (m):				Municipality:	
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:					

<u>Bore Hole Information</u>					
Bore Hole ID:		10035367		Elevation:	
DP2BR:		12		Elevrc:	
				95.540313	

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

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		35			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934099215			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		35			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934378607			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		35			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897073			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		35			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933468923			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		44			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933468924			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		48			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933468922			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		35			
Water Found Depth UOM:		ft			

WWIS

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E/240.4

94.9 / -1.00

lot 22 con 3
RICHMOND ON

Well ID: 7199490
Construction Date:

Data Entry Status:
Data Src:

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		7.92			
Formation End Depth:		42.66			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004961059			
Layer:		1			
Plug From:		8.53			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:		AIR PERCUSSION			
<u>Pipe Information</u>					
Pipe ID:		1004961031			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Screen</u>					

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Pump Test Detail ID:		1004961042			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		3.92			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961047			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		4.1			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961048			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		4.11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961049			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		4.11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961056			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		4.14			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961045			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		4.1			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961043			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		4.09			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961052			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		4.13			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961044			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		3.78			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961051			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		4.12			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961054			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		4.14			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004961055			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		4.14			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1004961038			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		42.06			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004961036			
Diameter:		15.86			
Depth From:		0			
Depth To:		8.53			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
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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WWIS **65** 1 of 1 N/150.9 94.9 / -1.00 ON

Well ID: 1510630
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: 7/3/1970
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: 10032656
DP2BR: 17
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 3/24/1970
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 95.593368
Elevrc:
Zone: 18
East83: 434218.6
North83: 5003787
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
		2			
		2			
		GREY			
		15			
		LIMESTONE			
		17			
		71			
		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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097237			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934641132			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		35			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934898613			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		35			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934379555			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		35			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933465658			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		70			
Water Found Depth UOM:		ft			

WWIS

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E/227.0

94.9 / -1.00

ON

Well ID: 1509121
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 6/19/1953
Selected Flag: Yes
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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:	10031155	Elevation:	96.04251
DP2BR:	18	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	434575.6
Code OB Desc:	Bedrock	North83:	5003382
Open Hole:		Org CS:	5
Cluster Kind:		UTMRC:	
Date Completed:	2/18/1953	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:	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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1			
Method Construction Code:			Cable Tool		
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10579725			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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		
<u>Construction Record - Casing</u>					
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		
<u>Results of Well Yield Testing</u>					
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		
<u>Water Details</u>					
Water ID:		933463923			
Layer:		1			
Kind Code:		1			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Kind:		FRESH			
Water Found Depth:		80			
Water Found Depth UOM:		ft			

WWIS	69	1 of 1	N/187.5	94.9 / -1.00	lot 24 con 3 ON
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

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i> 5					
<i>Method Construction:</i> Air Percussion					
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i> 10601801					
<i>Casing No:</i> 1					
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i> 991531697					
<i>Pump Set At:</i>					
<i>Static Level:</i> 10					
<i>Final Level After Pumping:</i> 80					
<i>Recommended Pump Depth:</i> 80					
<i>Pumping Rate:</i> 20					
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i> 20					
<i>Levels UOM:</i> ft					
<i>Rate UOM:</i> GPM					
<i>Water State After Test Code:</i> 2					
<i>Water State After Test:</i> CLOUDY					
<i>Pumping Test Method:</i> 1					
<i>Pumping Duration HR:</i> 1					
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i> N					
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i> 934114102					
<i>Test Type:</i> Recovery					
<i>Test Duration:</i> 15					
<i>Test Level:</i> 10					
<i>Test Level UOM:</i> ft					
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i> 934397718					
<i>Test Type:</i> Recovery					
<i>Test Duration:</i> 30					
<i>Test Level:</i> 10					
<i>Test Level UOM:</i> ft					
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i> 934658654					
<i>Test Type:</i> Recovery					
<i>Test Duration:</i> 45					
<i>Test Level:</i> 10					
<i>Test Level UOM:</i> ft					
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i> 934916100					
<i>Test Type:</i> Recovery					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Test Duration:		60			
Test Level:		10			
Test Level UOM:		ft			
<u>Water Details</u>					
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				
Construction Date:				Data Entry Status:	
Primary Water Use:	Domestic			Data Src:	1
Sec. Water Use:				Date Received:	9/17/1990
Final Well Status:	Test Hole			Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	3644
Audit No:	68468			Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	RICHMOND VILLAGE (GOULBOURN)
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	022
Overburden/Bedrock:				Concession:	02
Pump Rate:				Concession Name:	CON
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933110980			
Layer:		1			
Plug From:		0			
Plug To:		22			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10595294			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
<u>Construction Record - Casing</u>					
		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		
<u>Results of Well Yield Testing</u>					
		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		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	934385987		
		Test Type:			
		Test Duration:	30		
		Test Level:	70		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	934904143		
		Test Type:			
		Test Duration:	60		
		Test Level:	70		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	934655768		
		Test Type:			
		Test Duration:	45		
		Test Level:	70		
		Test Level UOM:	ft		
<u>Draw Down & Recovery</u>					
		Pump Test Detail ID:	934110579		
		Test Type:			
		Test Duration:	15		
		Test Level:	70		
		Test Level UOM:	ft		

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

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 **Decision Posted:**
Ministry Ref No: FSD KEM 19/08 **Exception Posted:**
Notice Type: Instrument Decision **Section:**
Notice Stage: 803069251 **Act 1:**
Notice Date: February 02, 2016 **Act 2:**
Proposal Date: August 12, 2008 **Site Location Map:**
Year: 2008
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

Database: ECA **Site:** The Regional Municipality of Waterloo
Ottawa St Ottawa ON N2G 4J3

Approval No: 4888-7GEH5L **MOE District:**
Approval Date: 2008-07-11 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
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
Status:
Approval Years: 95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3751
SIC Description: PAINT & VARNISH IND.
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

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

Database: PES Site: RICHMOND GARDENS
OTTAWA STREET RICHMOND ON

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Database: RSC Site: Part Lot 23 Ottawa ON

RSC ID:
RA No:
RSC Type:
Curr Property Use:
Ministry District: Ottawa
Filing Date: 07/05/01
Date Ack: 08/14/01
Date Returned:
Restoration Type: Generic
Soil Type: Medium/Fine
Criteria: Res/parkland + Nonpotable
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:
Cert Date:
Cert Prop Use No:
Intended Prop Use:
Qual Person Name:
Stratified (Y/N): N
Audit (Y/N):
Entire Leg Prop. (Y/N):
Accuracy Estimate:
Telephone:
Fax:
Email:

Database: **RSC**

Site:

Part Lot 23, Township of Gloucester Ottawa ON

RSC ID:
RA No:
RSC Type:
Curr Property Use:
Ministry District: Ottawa
Filing Date: 07/05/01
Date Ack:
Date Returned: 07/23/01
Restoration Type:
Soil Type:
Criteria:
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:

Cert Date:
Cert Prop Use No:
Intended Prop Use:
Qual Person Name:
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N):
Accuracy Estimate:
Telephone:
Fax:
Email:

Database: **WWIS**

Site:

lot 22 ON

Well ID: 1525936
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: 92104
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: 10047671
DP2BR: 39
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/27/1991
Remarks:
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

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
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 89236
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: 7/23/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 6382
Form Version: 1
Owner:
Street Name:
County: LENNOX & ADDINGTON
Municipality: RICHMOND TOWNSHIP
Site Info:
Lot: 022
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10236204
DP2BR: 35
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/17/1991
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: 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

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

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	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:	92103	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:	10047672	Elevation:	
DP2BR:	46	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	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

Database: **WWIS** **Site:** con 3 ON

Well ID:	1521473	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/9/1987
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1558
Casing Material:		Form Version:	1
Audit No:	04634	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	GOULBOURN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	03
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:	10043295	Elevation:	
DP2BR:	17	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		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

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:
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:

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: 10047670
DP2BR: 39
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
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:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

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

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
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 91580
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:

Date Received: 11/22/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GOULBOURN TOWNSHIP
Site Info:
Lot: 022
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047578
DP2BR: 0
Spatial Status:
Code OB: h
Code OB Desc: Mixed in a Layer
Open Hole:
Cluster Kind:
Date Completed: 10/15/1991
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: 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

Database: **WWIS** **Site:** **lot 23 ON**

Well ID:	1525460	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	6/14/1991
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3749
Casing Material:		Form Version:	1
Audit No:	91548	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: 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
DP2BR: 1
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/19/1990
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: 9
UTMRC: unknown UTM
UTMRC Desc:
Location Method: na

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 [EIS](#)

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 EIS 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 is 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 clean-up 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.



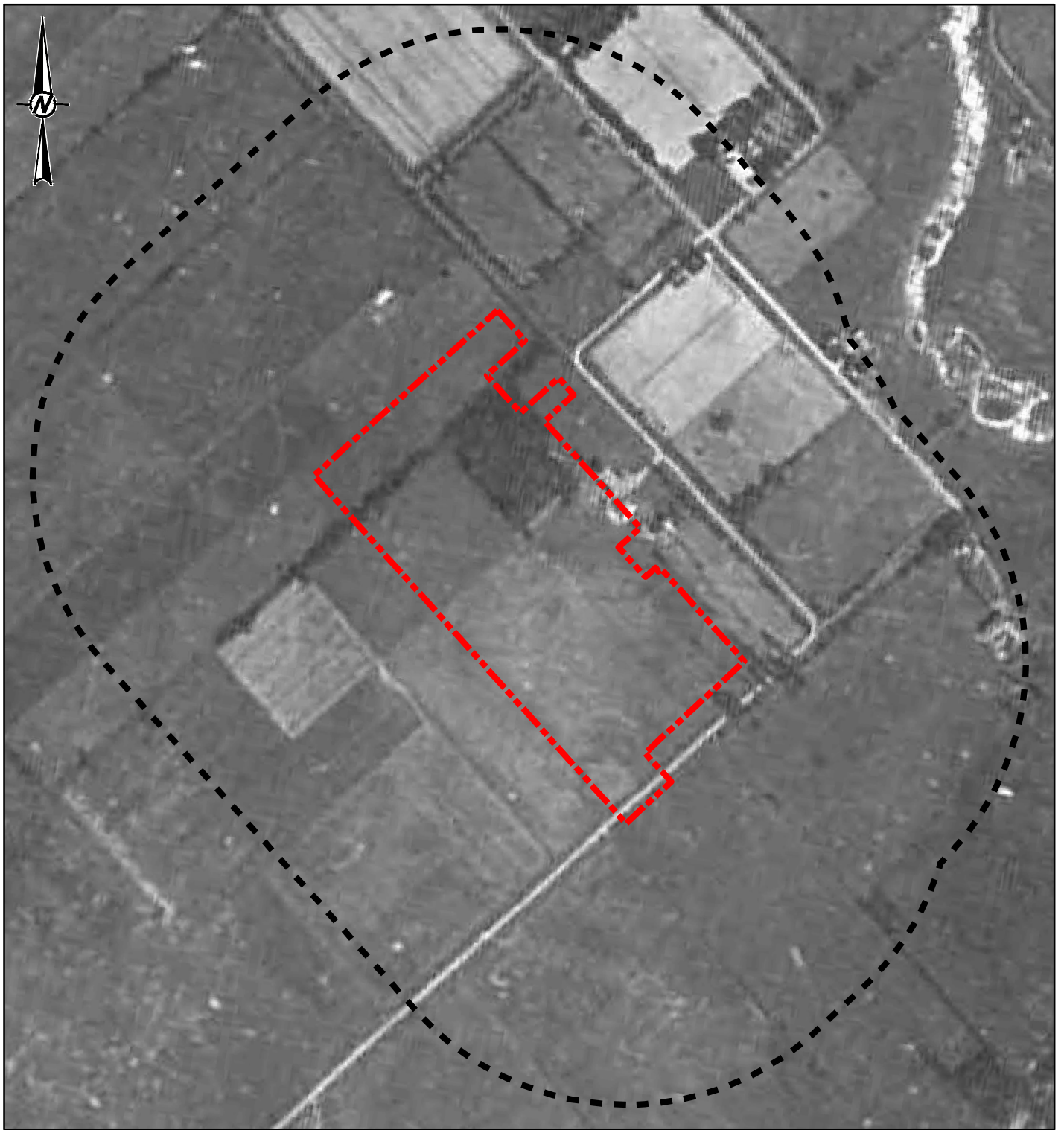
Photo 11: Photo of the agricultural land on the southern portion of the Site looking south.





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



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



YYYY-MM-DD 2020-05-05

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED KPH

PROJECT NO.
 20144864

CONTROL
 0001

REV.
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FIGURE
D1

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



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

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

TITLE
1959 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2020-05-05

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED KPH

PROJECT NO.
20144864

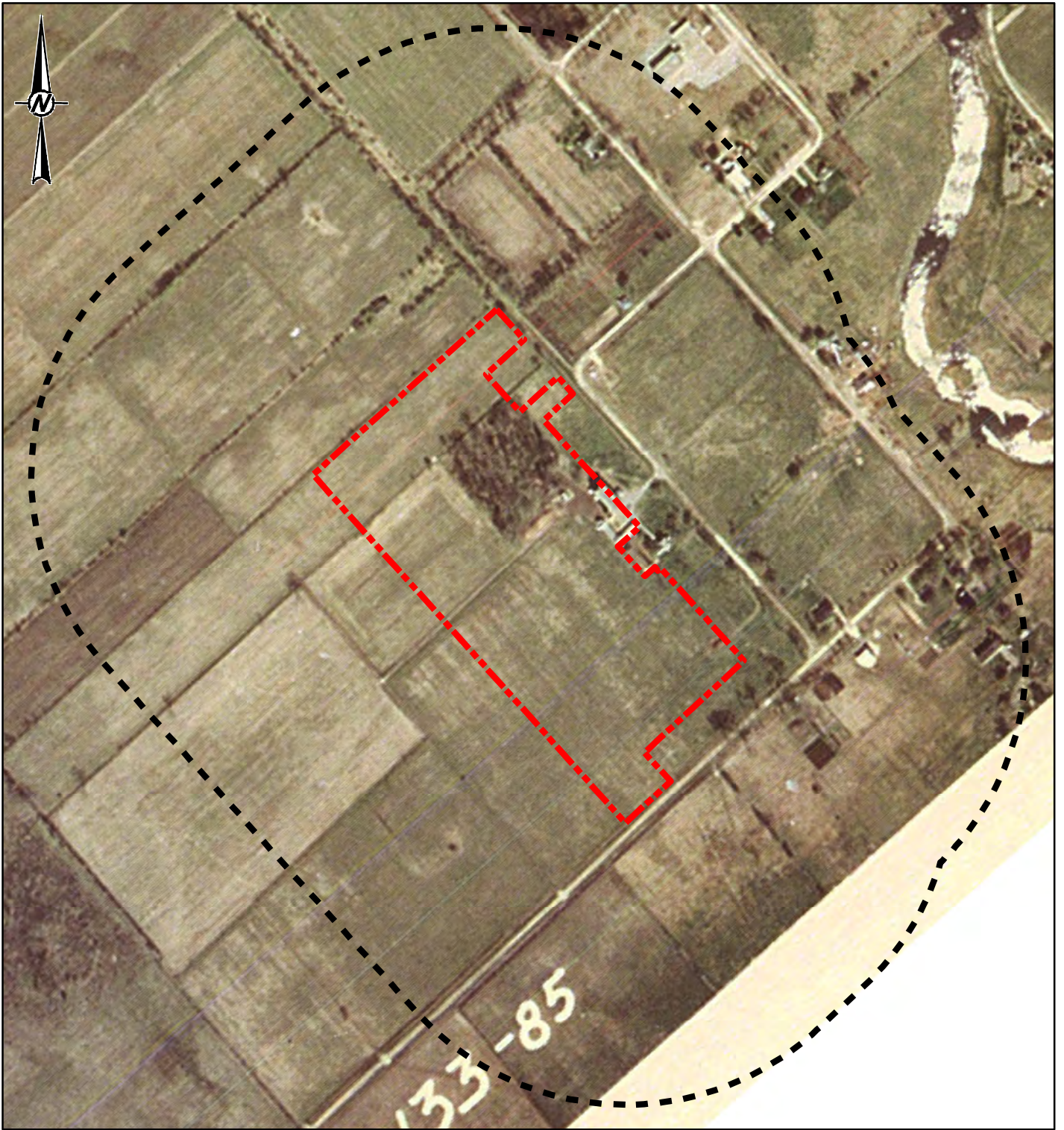
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FIGURE
D2

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



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

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

TITLE
1968 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2020-05-05

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PREPARED JEM

REVIEWED AW

APPROVED KPH

PROJECT NO.
20144864

CONTROL
0001

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FIGURE
D3

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



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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

CLIENT
CAIVAN (RICHMOND NORTH) LIMITED

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

TITLE
1985 AIR PHOTO

CONSULTANT



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

PROJECT NO.
20144864

CONTROL
0001

REV.
0

FIGURE
D4

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



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