# PHASE 1 ENVIRONMENTAL SITE ASSESSMENT 6688 FRANKTOWN RD, OTTAWA, ON



Project No.: CP-17-0503

Prepared for:

Bing Professional Engineering Inc.

Prepared by:

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McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by Mr. Bingfeng Li of Bing Professional Engineering Inc. (Bing Professional Engineering) to conduct a Phase 1 Environmental Site Assessment (ESA) on a parcel of land located at 6688 Franktown Road in Ottawa, Ontario (the Site). The Site currently consists of forested land, with a cleared portion that will be utilized for future development of a place of worship. The total area of the Site is approximately 39.89 hectares (ha), while the proposed development will have a footprint of approximately 2.71 ha.

It is our understanding that the Phase 1 ESA is being completed for due diligence and site plan approval in support of a proposed development at the Site. The planned future use of the Site is as a place of worship, and will consist of two institutional structures and a large paved parking lot with an associated laneway.

The Phase 1 ESA is in general compliance with Ontario Regulation (O.Reg.) 153/04 - Part XV.1 of the Environmental Protection Act, as amended, and CSA Standard Z768-01 (R2012), 1993. The Phase 1 ESA is <u>not</u>, however, suitable for the purpose of submitting a Record of Site Condition (RSC).

The Phase 1 Study Area includes all properties within 250 m of the Site.

The Site appears to have been used in some capacity during the 1860s and 1870s, where historical mapping shows at least one on-site residential structure. It is likely that a portion of the Site was used for agricultural purposes at this time; however, the extent of any such use is unknown at this time. Based on a review of aerial photographs, the Site has been forested since at least 1946. The currently proposed development of the Site will represent its first (contemporary) developed use.

The Phase 1 ESA did not identify any on-site Potentially Contaminating Activities (PCA) or Areas of Potential Environmental Concern (APEC).

Based on the absence of confirmed PCAs and APECs at the Site and within the Phase 1 ESA study area, *a Phase 2 ESA is not required at this time.* Based on the information presented in this Phase 1 ESA, development of the Site as a place of worship (i.e. community use) does not represent a significant environmental liability at this time.

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# 1.0 INTRODUCTION

McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by Mr. Bingfeng Li of Bing Professional Engineering Inc. (Bing Professional Engineering) to conduct a Phase 1 Environmental Site Assessment (ESA) on a parcel of land located at 6688 Franktown Road in Ottawa, Ontario (the Site). The Site currently consists of forested land, with a cleared portion that will be utilized for future development of a place of worship. The total area of the Site is approximately 39.89 hectares (ha), while the proposed development will have a footprint of approximately 2.71 ha.

It is our understanding that the Phase 1 ESA is being completed for due diligence and site plan approval in support of a proposed development at the Site. The planned future use of the Site is as a place of worship, and will consist of two institutional structures and a large paved parking lot with an associated laneway.

The Site location is shown on Figure 1 (Site Location). The Site layout and features are shown on Figure 2 (Site Layout).

Based on a review of aerial photographs, historical information, and discussions with the current owner, it appears as though the Site has been forested since at least 1946. Based on a published map from 1863 (see Appendix E), there was at least one on-site residential structure during the 1860s and 1870s. While there are no air photos from this time period, it is reasonable to assume that these houses were associated with farming activities at the Site. The earliest available air photo (1946) shows the Site in its general current configuration.

*Please Note*: A Record of Site Condition (RSC) under Ontario Regulation 153/04, as amended, is not required by Bing Professional Engineering for the Site. The Phase 1 Environmental Site Assessment undertaken at this site by McIntosh Perry was undertaken for environmental due diligence and site plan approval purposes only.

# 1.1 Phase 1 Property Information

The Site is currently zoned as 'Rural Institutional' property in Pat 13 (s. 223-224) of the City of Ottawa Zoning By-Law. The Site is currently unused, and consists predominantly of forested or cleared land. Site features are shown on Figure 2 (Site Layout).

# 1.1.1 Property Identification

The legal description of the property is "Part Lot 19, Concession 3 East, Rural Plan 4R-7040; Part 1".

# 1.1.2 Property Ownership and Contact Details

McIntosh Perry is working for Bing Professional Engineering, who currently own the Site and has requested the Phase 1 ESA for due diligence and site plan approval purposes. McIntosh Perry's site contact person for the Site is Bingfeng Li, who is the Chief Structural Engineer with Bing Professional Engineering. Mr. Li can be contacted at bingfeng.li@bingpro.ca.

# 1.1.3 Current and Proposed Future Uses

The Site is currently unused. The Site as a whole is a zoned as a Rural Institutional, which is generally consistent with the proposed future usage of the Site as a place of worship. The proposed landuse change is not considered sensitive.

# 1.2 Surrounding Land Use

Surrounding land use is predominantly rural residential, agricultural, commercial, or unused (forested). There is an adjacent buried gas pipeline and associated easement located immediately southwest of the Site. Aerial photographs indicate the presence of a wayside aggregate pit, or similar operation, immediately northeast of the Site.

# 2.0 SCOPE OF INVESTIGATION

A Phase 1 ESA is a preliminary environmental screening tool designed to provide a qualitative assessment of the environmental condition of a site, based on a desktop review of available documentation pertaining to the site, observations made during a site visit, and information from interviews with people who have knowledge of the site and its history. Sampling and chemical analysis of soils, groundwater, and/or other materials/substances are beyond the scope of work for a Phase 1 ESA.

This Phase 1 ESA has been prepared using the general principles and format defined under O.Reg. 153/04, as amended. The report is also in general compliance with "Phase 1 Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01, Reaffirmed 2012.

# Please Note:

The current Phase 1 ESA has <u>not</u> been prepared for submission of a Record of Site Condition (RSC) as defined under O.Reg. 153/04, as amended.

A designated substances survey was not completed as part of the current investigation.

# 3.0 RECORDS REVIEW

# 3.1 General

## 3.1.1 Phase 1 Study Area Determination

The Phase 1 Study Area includes the following properties:

- 6688 Franktown Road, Ottawa (the Site)
- All properties within approximately 250m of the Site boundary

The Phase 1 ESA Study Area, including surrounding land uses, is shown on Figure 3 (Surrounding Land Use).

## 3.1.2 First Developed Use Determination

The Site appears to have been used in some capacity during the 1860s and 1870s, where historical mapping shows at least one on-site residential structure (Appendix E). It is likely that a portion of the Site was used for agricultural purposes at this time; however, the extent of any such use is unknown at this time. Based on a review of aerial photographs, the Site has been forested since at least 1946. The currently proposed development of the Site will represent its first (contemporary) developed use.

## 3.1.3 Fire Insurance Plans

The Catalogue of Canadian Fire Insurance Plans was not searched as part of this Phase 1 ESA.

#### Chain of Title

A land title search was not obtained for the Site.

#### 3.1.4 Reports by Others

No reports by others were available for review.

# 3.2 Environmental Source Information

McIntosh Perry completed a records review to obtain information about the Site pertaining to items of actual and/or potential environmental concern.

# 3.2.1 Databases Searched

McIntosh Perry obtained information contained in the databases listed below from EcoLog ERIS of Toronto, Ontario. Details about the sources of information and the years included for each database, as well as the pertinent information obtained from these databases are included in the EcoLog ERIS report which is included as Appendix E.

# Federal Government Databases:

Environmental Effects Monitoring

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- Environmental Issues Inventory System
- Federal Convictions
- Contaminated Sites on Federal Land
- Fisheries & Oceans Fuel Tanks
- Indian and Northern Affairs Fuel Tanks
- National Analysis of Trends in Emergencies System (NATES)
- National Defence & Canadian Forces Fuel Tanks
- National Defence & Canadian Forces Spills
- National Defence & Canadian Forces Waste Disposal Sites
- National Environmental Emergencies System (NEES)
- National PCB Inventory
- National Pollutant Release Inventory
- Parks Canada Fuel Storage Tanks
- Transport Canada Fuel Storage Tanks

## **Provincial Government Databases:**

- Abandoned Aggregate Inventory
- Aggregate Inventory
- Abandoned Mines Information System
- Certificates of Approval
- Coal Gasification Plants
- Compliance and Convictions
- Drill Holes
- Environmental Registry
- Ontario Regulation 347 Waste Generators Summary
- Mineral Occurrences
- Non-Compliance Reports
- Ontario Oil and Gas Wells
- Ontario Inventory of PCB Storage Sites
- Ministry Orders
- Occurrence Reporting Information System
- Pesticide Register
- Private Fuel Storage Tanks
- Ontario Regulation 347 Waste Receivers Summary
- Record of Site Condition
- Wastewater Discharger Registration Database
- Waste Disposal Sites MOE CA Inventory

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- Waste Disposal Sites MOE 1991 Historical Approval Inventory
- Water Well Information System

## Private Databases:

- Anderson's Waste Disposal Sites
- Automobile Wrecking and Supplies
- Commercial Fuel Oil Tanks
- Chemical Register
- ERIS Historical Searches
- Canadian Mine Locations
- Oil and Gas Wells
- Canadian Pulp and Paper
- Retail Fuel Storage Tanks
- Scott's Manufacturing Directory
- Anderson's Storage Tanks

## 3.2.2 Database Findings Relevant to the Phase 1 ESA

The databases searched by EcoLog ERIS contained the following information pertaining to the Site as well as properties within an approximately 250 m radius from the Site boundary:

- Two Certificates of Approval
- Two Environmental Compliance Approvals
- Fifteen ERIS Historical Searches
- One Emergency Management Historical Event
- Two Contaminated Sites on Federal Land
- Sixty Ontario Regulation 347 Waste Generator Summary Records
- One TSSA Incident
- Eight Pesticide Register records
- Twenty-One Scott's Manufacturing Directory records
- Ten Ontario Spills records
- Twelve Water Well Information System records

Pertinent information from the EcoLog ERIS report is summarized as follows:

#### Borehole Records

Five Borehole Records were noted within 250 m of the Site boundaries. Three of these boreholes had a maximum depth less than 10 m (2.4 m, 2.7 m, 7.6 m), while the other two had maximum depths greater than 10 m (18.3 m and 19.8 m). Further details can be found in Appendix B.

## **Historical ERIS Searches**

One Historical ERIS Search was noted within 250 m of the Site boundaries. This site is located 92.9 m away at 6659 Franktwon Rd, Ottawa ON, KOA 2ZO. The details of this search are included in Appendix B.

# Water Well Information System

Nineteen Water Well Information System records were noted within 250 m of the Site boundary, and one was noted on the subject Site. For the wells within 250 m of the site boundary, seventeen wells are listed for domestic purposes, one well is listed for livestock purposes, and one well has no listed usage (abandoned). The average depth of these bedrock wells is 32.4 m, where 18.3 m is the minimum and 236 feet is the maximum depth. The average depth of water is 31.8 m, where 15.8 m is the minimum and 693.8 m is the maximum. The single well located on project property is listed as domestic. This overburden well is measured at 6.7 m deep. These well records are summarized in detail in Appendix B.

## 3.2.3 MOECC Freedom of Information Request

In order to identify any previous environmental reports concerning the Site, an MOECC freedom of information (FOI) request was submitted. At the time of writing there has been no official response from the MOECC (the request was submitted on May 29, 2018, and the turn-around-time for MOECC FOI is typically one to two months).

Responses not received at the time of this report will be reported under separate cover if relevant information is obtained.

A copy of the MOECC correspondence is provided in Appendix A.

#### 3.2.4 TSSA Information Request

An FOI request was also submitted to the Technical Standards and Safety Authority (TSSA). At the time of writing there have been no official responses from the TSSA. Responses not received at the time of this report will be reported under separate cover if relevant information is obtained.

# 3.3 Physical Setting

### 3.3.1 Aerial Photographs and Satellite Images

Table 1 describes observations about current and historical land use for the Site and surrounding properties that were noted during a limited review of aerial photos, included in Appendix C. Current land use designations in the study area are included on Figure 3.

Date	Source	Observations
1946	EcoLog ERIS	Site appears to be forested with some open areas (possibly swampy) in the northwest portion. Surrounding area is predominantly unused, although any developed usage appears to be primarily rural residential and agricultural.
1959	EcoLog ERIS	Site appears to be forested with some open areas (possibly agricultural use) in the northwest portion. Surrounding development is primarily rural residential and agricultural.
1976	GeoOttawa	Site appears to be forested with some saturated areas in the northwest portion. Surrounding development is primarily rural residential and agricultural.
1991	GeoOttawa	No significant change from previous photo. Site appears to be forested with some saturated areas in the northwest portion. Surrounding development is primarily rural residential and agricultural.
2002	GeoOttawa	No significant change from previous photo. Site appears to be forested with some saturated areas in the northwest portion. Surrounding development is primarily rural residential and agricultural.
2014	GeoOttawa	Site appears to be forested with some saturated areas in the northwest portion. On- site laneway is built, as is the rural subdivision adjacent to the southeast corner of the Site. A portion of the adjacent property (northeast) appears to be in use as an aggregate pit. Surrounding development is primarily rural residential and agricultural.
2017	GeoOttawa	No significant change from previous photo. Site appears to be forested with some saturated areas in the northwest portion. On-site laneway is built, as is the rural subdivision adjacent to the southeast corner of the Site. Surrounding development is primarily rural residential and agricultural.

Table 1: Current and Historical Land Use from Aerial Photographs and Satellite Images

Based on a review of aerial photographs, historical information, and discussions with the current owner, it appears as though the Site has been predominantly forested well before 1946. Based on a published map from 1863 (see Appendix E), there was at least one on-site residential structure during the 1860s and 1870s. While there are no air photos from this time period, it is reasonable to assume that these houses were associated with farming activities at the Site. It is also not clear how expansive these presumed farming activities would have been. The earliest available air photo (1946) shows the Site in its general current configuration, although one subsequent air photo (1956) shows evidence of possible agricultural activity in the northwest portion of the Site.

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Based on this review, no further Potentially Contaminating Activities were identified to generate on-site Areas of Potential Environmental Concern.

### 3.3.2 Topography

Elevation at the Site ranges from approximately 102-112 m above sea level (m asl). The Site itself is relatively flat and poorly drained. Surrounding properties are of similar relief, with regional topography sloping gently downward to the southeast towards the Jock River (see Figure 4).

## 3.3.3 Hydrology

The Site occurs within the Jock River watershed. The Jock River, which is a tributary of the Ottawa River system, is located approximately 1.6 km southeast of the Site, at its closest point. Site drainage consists of infiltration in permeable areas, as well as overland flow to surface water ditches along the peripheries of the Site.

## 3.3.4 Geology

## 3.3.4.1 Surficial Geology

Geological maps of the area classify the overburden at the Site as coarse-textured glaciomarine deposits, including sand, gravel, and minor silt and clay. (OGS, 2018)

#### 3.3.4.2 Bedrock Geology

Geological maps of the area classify the bedrock under the Site as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and/or of the Shadow Lake Formation. (OGS, 2018)

# 3.3.5 Hydrogeology

The subject property is located within the Jock River watershed. On both a localized and regional scale, groundwater flow is expected to be generally toward the Jock River (southeast).

#### 3.3.6 Fill Materials

No concerns with fill materials were identified at the Site.

#### 3.3.7 Water Bodies and Areas of Natural Significance

The closest permanent waterbody is the Jock River, which is located approximately 1.6 km southeast of the Site, at its closest point.

When completing a Phase 1 ESA, considerations are made for the following MNRF-maintained areas of natural significance:

- Areas of Natural and Scientific Interest (ANSIs);
- Provincially Significant Wetlands (PSWs); and,

• Wildlife Management Areas (WMAs).

The Richmond Fen (Provincially Significant Wetland, PSW) is located approximately 216 m from the Site, at its closest point.

## 3.3.8 Well Records

McIntosh Perry performed a well record search utilizing the EcoLog ERIS Water Well Information System data (based on MOECC GIS data). Nineteen records were found within 250 m of the Site boundary, and one record was found for the Site itself. All records are summarized in Appendix B.

Of the nineteen wells within 250 m of the site boundary, seventeen are listed for domestic purposes, one well is listed for livestock purposes, and one well has no listed usage (abandoned). The average depth of these bedrock wells is 106.3 feet, where 60 feet is the minimum and 236 feet is the maximum depth. The average depth of water is 104.3 feet, where 52 feet is the minimum and 229 feet is the maximum. The single well located on project property is listed as domestic, and is likely dug.

# 4.0 INTERVIEWS

McIntosh Perry personnel conducted an interview to obtain information about the subject property pertaining to items of actual and/or potential environmental concern. An interview was conducted with Bingfeng Li, Project Manager – Bing Professional Engineering Inc., via telephone on June 13, 2018. The interviewee provided information about the Site and the on-site activities. The interview was conducted using a standard set of questions.

The information obtained from the interview is summarized as follows:

Table 2: Interview Summary

Potential	Interview Comments			
Item of Concern				
Accidents/Spills	No			
Previous Use of Site	Forested			
Adjacent Properties	Predominantly farming			
Fuel Handling/Storage	No			
Maintenance/Operational	No			
Areas				
Hazardous Materials	No			
Storage				
Salt Storage	No			
Fuel Storage Tanks	No			
Odours	No			
Potable Water	Unknown			
Septic and Wastewater	No structuros			
Discharges				
Pesticides	Unknown			
Mould	No			
Heating and Cooling	No structuros			
Systems				
Major Mechanical	No			
Equipment				
Waste Oils, Solvents,	No			
Batteries				
PCBs	No			
Asbestos	No structures			
Lead Paint	No structures			
ODS	No structures			
Electromagnetic Radiation	No			
UFFI	No structures			
Mercury	No structures			
Radon Gas	No structures/below ground structures			
Soil and Groundwater	Linknown			
Conditions	UTINTOWIT			

6688 Franktown Road, Ottawa, ON

Potential Item of Concern	Interview Comments
Wells	Monitoring wells only
Waste Disposal and Recycling	Third party contractor
Fill Material	Laneway construction only (built 2014) using clean fill
Floor Drains/OWS (discharge locations)	No structures
Other	No

*Please Note*: Statements made by those interviewed were not made categorically and are limited to personal knowledge of, and experience with, the Site. The significance of environmental concerns that have been identified by other methods was not reduced based on the interview statements.

# 5.0 SITE RECONNAISSANCE

The objectives of the site reconnaissance were as follows:

- To identify potential environmental concerns associated with current and past uses of the site.
- To identify Potentially Contaminating Activities (PCAs) on, in, or under the site.
- To identify, as practical, current and past uses, activities, and PCAs in the Phase 1 study area.
- To identify details of potential contaminant pathways on, in, or under the Phase 1 property and potential environmental concerns and contaminants of potential concern.

McIntosh Perry had open and ready access to all areas of the site during the site visit.

# 5.1 General Requirements

McIntosh Perry conducted the Site reconnaissance on May 2, 2018 (from approximately 11:30 to 15:30 HR). Patrick Leblanc of McIntosh Perry inspected all accessible areas of the Site, and observed other properties in the Phase 1 Study Area.

# 5.1.1 Qualifications of the Assessors

Field assessment for this report was undertaken by Patrick Leblanc, P.Eng. and Justin Cameron, B.Sc. of McIntosh Perry. Patrick has over 10 years of environmental engineering experience, and has completed many Phase 1 and 2 ESAs. Reporting was completed by Jordan Bowman, B.Sc. and Dan Arnott, P.Eng. Jordan has a Bachelor's degree in environmental science and extensive experience in completing Phase 1 and 2 ESAs for a variety of sites in Ontario. Dan is an Ontario licensed Professional Engineer and a Qualified Person (QP) under O.Reg. 153/04, as amended, and has completed dozens of Phase 1 and 2 ESAs across Ontario.

McIntosh Perry is licensed to practice engineering and geoscience in the Province of Ontario. McIntosh Perry holds Certificates of Authorization with the Professional Engineers of Ontario (PEO) and the Association of Professional Geoscientists of Ontario (APGO) and is a full member of the Consulting Engineers of Ontario (CEO).

# 5.1.2 Weather Conditions at Time of Inspection

Weather conditions at the time of the Site visit were warm, with sun and clouds.

#### 5.1.3 Property Occupancy/Use Status at Time of Inspection

Currently, the Site is primarily a forested area with a smaller portion cleared in preparation for development. The northern-most portion of the property was saturated at the time of inspection.

# 5.1.4 Site Photographs

Photographs of the Site and study area are included in Appendix D. A brief description is included with each photograph, including location and orientation where applicable.

# 5.2 Description of Investigations

The Phase 1 component of the current investigation is a preliminary environmental screening that aims to provide a qualitative assessment of the environmental condition of the site based on a review of available information pertaining to the site, observations made during a site visit, and information from interviews with people who have knowledge of the site and its history.

The Phase 1 portion of the current investigation includes the following components:

- A review of available background information.
- An interview with a person with knowledge of the site and its history.
- Site reconnaissance.
- Freedom of information requests (Ministry of the Environment and Climate Change (MOECC), Technical Standards and Safety Authority (TSSA), and the Township of Leeds and the Thousand Islands.

# 5.2.1 Phase 1 Property

The Site is currently unused, and consists predominantly of forested or cleared land. The Site is located at 6688 Franktown Road in Ottawa, approximately 575 m southwest of Joys Road, at its closest point. The Site was assessed on May 2, 2018.

# 5.2.2 Phase 1 Study Area

All properties located within 250 m of the boundaries of the Site were observed from the Site or from publicly accessible locations on May 2, 2018.

# 5.3 Specific Observations at the Phase 1 Property

#### 5.3.1 Structures and Other Improvements

While historical mapping (Appendix E) reveals some type of development on the Site in the late 1800s (presumably farmstead structures), the Site is currently vacant forested land.

#### 5.3.2 Below Ground Structures

No below ground structures were observed on the Site.

#### 5.3.3 Storage Tanks

No liquid storage tanks were observed on the Site.

#### 5.3.4 Hazardous Materials

No hazardous materials observed at the Site.

#### 5.3.5 Potable and Non-Potable Water Sources

There are currently no services to the Site.

5.3.6 Underground Service Trenches

There are currently no services to the Site.

#### 5.3.7 Exit and Entry Points

The exit and entry points to the Site were inspected. No concerns were identified.

5.3.8 Existing and Former Heating Systems

There are no on-site structures or heating systems.

5.3.9 Cooling Systems

There are no on-site structures or cooling systems.

5.3.10 Drains, Pits, and Sumps

No drains, pits, or sumps were observed at the Site.

5.3.11 Unidentified Substances

No unidentified substances were observed at the Site.

#### 5.3.12 Stains and/or Corrosion Near Drains, Pits, and Sumps

No stains and/or corrosion were observed at the Site.

#### 5.3.13 Well Details

There were no wells observed at the Site. One well record was found for the Site; however, this well is presumed to be dug (22 feet deep) and may be abandoned/lost. Well records for properties within the Phase 1 ESA Study Area are discussed in previous sections.

#### 5.3.14 Details of Sewage Works

There are currently no services to the Site.

### 5.3.15 Ground Surface Details

There are no on-site structures. Outdoor ground surface at the Site is dominated by saturated, sandy loam.

#### 5.3.16 Current and Former Railway Lines

No current or former railway lines were observed at the Site or within the study area.

#### 5.3.17 Staining to Soil, Vegetation, or Pavement

No staining was observed at the Site.

#### 5.3.18 Stressed Vegetation

No stressed vegetation was observed at the Site.

#### 5.3.19 Fill and Debris

No significant fill or debris was observed at the Site.

#### 5.3.20 Mould

No mould-like substances were observed at the Site.

#### 5.3.21 Areas of Potential Environmental Concern (APECs) and Potentially Contaminating Activities (PCAs)

No on-site PCAs were identified during the site visit.

# 5.4 Surrounding Properties

Surrounding properties in the vicinity of the Site generally consisted of the following:

- North: Commercial, rural residential, agricultural
- East: Rural residential, agricultural, potential pit operation
- South: Rural residential, agricultural
- West: Rural residential, agricultural, buried gas pipeline

Surrounding land use is shown on Figure 3.

McIntosh Perry did not confirm the presence of any past or present PCAs located at the Site or within the Phase 1 ESA study area.

# 6.0 REVIEW AND EVALUATION OF INFORMATION

The following sections provide a review, evaluation, and interpretation of the information obtained from the records review, interviews, and site reconnaissance.

# 6.1 Current and Past Uses of Phase 1 Property

The Site appears to have been used in some capacity during the 1860s and 1870s, where historical mapping shows at least one on-site residential structure. It is likely that a portion of the Site was used for agricultural purposes at this time; however, the extent of any such use is unknown at this time. Based on a review of aerial photographs, the Site has been forested since at least 1946. The currently proposed development of the Site will represent its first (contemporary) developed use.

# 6.2 Potentially Contaminating Activities (PCA) and Areas of Potential Environmental Concern (APEC)

No PCAs or APECs were identified at the Site or within the Phase 1 ESA study area.

# 7.0 CONCLUSIONS

Based on the absence of confirmed PCAs and APECs at the Site and within the Phase 1 ESA study area, *a Phase 2 ESA is not required at this time.* Based on the information presented in this Phase 1 ESA, development of the Site as a place of worship (i.e. community use) does not represent a significant environmental liability at this time.

# 8.0 LIMITATIONS

This report has been prepared, and the work referred to in this report has been undertaken by McIntosh Perry Consulting Engineers Ltd. for Bing Professional Engineering Inc. (Bing Professional Engineering). It is intended for the sole and exclusive use of Bing Professional Engineering. The report may not be relied upon by any other person or entity without the express written consent of McIntosh Perry Consulting Engineers Ltd. (in the form of a Reliance Letter).

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Some of the information presented in this report was provided through maps, air photographs, and interviews. Although attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, McIntosh Perry Consulting Engineers Ltd., has, in certain instances, been required to assume that the information provided is accurate.

The conclusions presented represent the best professional judgment of the assessor based on current environmental standards and on the site conditions observed during the site inspection on May 2, 2017. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, McIntosh Perry Consulting Engineers Ltd. requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

We trust that this information is satisfactory for your present requirements. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

McIntosh Perry Consulting Engineers Ltd.

SIO 18.06.1 CE G.F. ARMSTRO Jordan Bowman, B.Sc. Fraser Armstrong, P.Eng. PROVINCE OF O **Environmental Scientist** Sr. Geo-Environmental Enginee j.bowman@mcintoshperry.com f.armstrong@mcintoshperry.com (613) 836-2184 (2280) (613) 542-3788 (3138)

H:\01 Project - Proposals\2017 Jobs\CP\0CP-17-0503 Bing Proffesional Eng Inc\_Proposed Temple SPA\_6688 Franktown Road\10 - Phase 1 ESA\09 Report\0CP-17-0503\_Phase 1 ESA\_BingEngInc.\_6688FranktownRd\_18.06.11 GFA.doc

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EcoLog ERIS, 2018. Site-Specific Search Report Results.

Natural Resources Canada (NRCAN), 2011. Geobase online mapping tool: Hydro Network GIS Data accessed through <http://geobase.ca/geobase/en/viewer.jsp?group=nhn>.

Ontario Geologic Survey (OGS), 2017 GIS Data for bedrock and surficial geology stratigraphy.

Ontario Ministry of Environment and Climate Change (MOECC), Ontario Regulation (O.Reg.) 153/04; Records of Site Condition – Part XV.1 of the Act (i.e. The Environmental Protection Act), as amended.

Ontario Geological Survey (OGS), 2018 – Google EarthTM (website: http://www.mndmf.gov.on.ca /mines/ogs\_earth\_e.asp).

# FIGURES

McINTOSH PERRY









# APPENDIX A

CORRESPONDENCE

# Jordan Bowman

From:	Public Information Services < publicinformationservices@tssa.org>
Sent:	May-29-18 5:43 PM
To:	Jordan Bowman
Subject:	RE: Info request - 6688 Franktown Rd, Ottawa

Hello Jordan,

Thank you for your request for confirmation of public information.

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

For a further search in our archives please complete our release of public information form found at <u>https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?\_mid\_=392</u> and email the completed form to <u>publicinformationservices@tssa.org</u> 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,

Yalini

From: Jordan Bowman <<u>j.bowman@mcintoshperry.com</u>> Sent: May 29, 2018 1:59 PM To: Public Information Services <<u>publicinformationservices@tssa.org</u>> Subject: Info request - 6688 Franktown Rd, Ottawa

Hello,

I am inquiring as to any environmental records related to 6688 Franktown Rd, Ottawa, ON.

Thank you,

Jordan

#### Jordan Bowman, B.Sc.

Environmental Scientist 115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0 T. 613.836.2184 (ext 2280) | F. 613.836.3742 | C. 613.229.9528 j.bowman@mcintoshperry.com | www.mcintoshperry.com

# MCINTOSH PERRY

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# **Freedom of Information Request**

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

Requester Data		For Ministry Use Only		
Name, Company Name, Mailing Address and Email Address of Requester	FOI Request No.		Date Request Received	
Emailaddress: j.bowman@mcintoshperry.com	Fee Paid			
			VISA/MC 🗆 CASH	
Telephone/Fax Nos. Your Project/Reference No. Signature/Print /Name of Requester   Tel. ext.2280 0CP-17-0503 Signature/Print /Name of Requester	/Fax Nos.   G13)836-2184     ext.2280   0CP-17-0503     G13)836-3742   OCP-17-0503			
Request P	arameters			
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns 6688 Franktown Rd, Ottawa, ON	or regions)			
Present Property Owner(s) and Date(s) of Ownership				
Various				
Unused				
Present/Previous Tenant(s),(if applicable)				
Search Parameters     Specify Year(s) Requested       Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.     Specify Year(s) Requested				
Environmental concerns (General correspondence, occurrence reports, abatement)			1986-2017	
Orders			1986-2017	
Spills			1986-2017	
Investigations/prosecutions > Owner AND tenant information must be provided			1986-2017	
Waste Generator number/classes			1986-2017	
Certificates of Approval > Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300. Certificates of Approval number(s) (if known). If supporting documents are also	00 could be incurred, depend o required, mark SD box ar	ing on the type id specify type	s and years to be searched. Specify e.g. maps, plans, reports, etc.	
		SD	Specify Year(s) Requested	
air - emissions			1986-2017	
Water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)			1986-2017	
Sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations			1986-2017	
waste water - industrial discharges			1986-2017	
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites			1986-2017	
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste			1986-2017	
pesticides - licenses			1986-2017	

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

APPENDIX B ECOLOG ERIS


# DATABASE REPORT

P	ro	je	ct	P	ro	p	er	ty:	

Project No:

Report Type:

Order No:

**Requested by:** 

**Date Completed:** 

6688 Franktown Rd Ph 1 ESA 6688 Franktown Rd Ottawa ON 170503 Quote - Custom-Build Your Own Report 20180522066

McIntosh Perry Consulting Engineers May 28, 2018 Environmental Risk Information Services A division of Glacier Media Inc. P: 1.866.517.5204 E: info@erisinfo.com

www.erisinfo.com

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# **Executive Summary**

#### Property Information:

**Project Property:** 

**Project No:** 

6688 Franktown Rd Ph 1 ESA 6688 Franktown Rd Ottawa ON

170503

#### Order Information:

Order No: Date Requested: Requested by: Report Type: 20180522066 May 22, 2018 McIntosh Perry Consulting Engineers Quote - Custom-Build Your Own Report

#### Historical/Products:

**Aerial Photographs** 

Aerials - National Collection - .tiff files

# Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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
NEBW	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
OGW	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	TSSA 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	0	0
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	TSSA 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 Inventorv	Y	0	0	0
WWIS	Water Well Information System	Y	1	19	20
	-	Total:	1	25	26

# Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	WWIS		lot 20 con 3 ON	-/0.0	0.00	<u>14</u>

# Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<b>2</b>	BORE		ON	NNW/30.0	0.00	<u>16</u>
<b>2</b>	WWIS		lot 20 con 3 ON	NNW/30.0	0.00	<u>16</u>
<u>3</u>	WWIS		lot 19 con 3 ON	S/32.3	0.00	<u>18</u>
<u>4</u>	WWIS		lot 16 con 4 GLOUCESTER ON	NW/40.7	0.00	<u>21</u>
<u>5</u>	WWIS		lot 19 con 4 RICHMOND ON	NW/46.3	0.00	<u>23</u>
<u>6</u>	WWIS		lot 13 con 10 BECKWITH ON	NW/75.4	0.00	<u>28</u>
<u>7</u>	WWIS		lot 6 con 5 GREELY ON	NW/77.9	0.00	<u>33</u>
<u>8</u>	WWIS		lot 3 con 4 GREELY ON	NW/78.9	0.00	<u>38</u>
<u>9</u>	WWIS		lot 2 con 5 ASHTON ON	NW/80.1	0.00	<u>43</u>
<u>10</u>	WWIS		lot 4 con 4 Ottawa ON	NW/81.5	0.00	<u>48</u>
<u>11</u>	WWIS		lot 19 con 4 ON	NNW/84.5	0.00	<u>53</u>
<u>12</u>	WWIS		lot 19 con 4 ON	NW/88.2	0.00	<u>56</u>
<u>13</u>	WWIS		lot 7 con 8 MUNSTER ON	NNW/88.3	0.00	<u>58</u>
<u>14</u>	EHS		6659 Franktown Rd Ottawa ON K0A2Z0	NNW/92.9	0.00	<u>63</u>
<u>15</u>	WWIS		lot 20 con 4 ON	NNW/100.9	0.00	<u>63</u>
<u>16</u>	WWIS		lot 20 con 4 ON	N/121.9	0.00	<u>66</u>
<u>17</u>	BORE		ON	N/148.7	0.00	<u>68</u>
<u>18</u>	BORE		ON	WSW/152.4	0.00	<u>68</u>
<u>19</u>	BORE		ON	N/154.0	0.00	<u>69</u>
<u>20</u>	WWIS		lot 20 con 4 RICHMOND ON	N/167.6	0.00	<u>69</u>
<u>21</u>	WWIS		lot 20 con 3 RICHMOND ON	ESE/180.0	0.00	<u>74</u>
<u>22</u>	BORE		ON	WSW/193.6	0.00	<u>79</u>
<u>22</u>	WWIS		lot 19 con 3 ON	WSW/193.6	0.00	<u>80</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>23</u>	WWIS		lot 18 con 3 ON	W/213.9	0.00	<u>82</u>
<u>24</u>	WWIS		lot 20 con 4 ON	N/243.6	0.00	<u>85</u>

# Executive Summary: Summary By Data Source

#### **BORE** - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

Address	Distance (m)	<u>lap Key</u>
ON	30.0	<u>2</u>
ON	148.7	<u>17</u>
ON	152.4	<u>18</u>
ON	154.0	<u>19</u>
ON	193.6	<u>22</u>
	Address ON ON ON ON	Address   Distance (m)   M     ON   30.0   30.0     ON   148.7   152.4     ON   154.0   154.0     ON   193.6   193.6

#### **EHS** - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
	6659 Franktown Rd Ottawa ON K0A2Z0	92.9	<u>14</u>

#### WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 20 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
	lot 20 con 3 ON	0.0	<u>1</u>
	lot 20 con 3 ON	30.0	<u>2</u>
	lot 19 con 3 ON	32.3	<u>3</u>
	lot 16 con 4 GLOUCESTER ON	40.7	<u>4</u>
	lot 19 con 4 RICHMOND ON	46.3	<u>5</u>

<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
lot 13 con 10 BECKWITH ON	75.4	<u>6</u>
lot 6 con 5 GREELY ON	77.9	<u>7</u>
lot 3 con 4 GREELY ON	78.9	<u>8</u>
lot 2 con 5 ASHTON ON	80.1	<u>9</u>
lot 4 con 4 Ottawa ON	81.5	<u>10</u>
lot 19 con 4 ON	84.5	<u>11</u>
lot 19 con 4 ON	88.2	<u>12</u>
lot 7 con 8 MUNSTER ON	88.3	<u>13</u>
lot 20 con 4 ON	100.9	<u>15</u>
lot 20 con 4 ON	121.9	<u>16</u>
lot 20 con 4 RICHMOND ON	167.6	<u>20</u>
lot 20 con 3 RICHMOND ON	180.0	<u>21</u>
lot 19 con 3 ON	193.6	<u>22</u>
lot 18 con 3 ON	213.9	<u>23</u>
lot 20 con 4 ON	243.6	<u>24</u>



Source: © 2015 DMTI Spatial Inc.

© ERIS Information Limited Partnership



45°10'30"N

### Address: 6688 Franktown Rd, Ottawa, ON

Source: ESRI World Imagery

Order No: 20180522066



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Arbuckle Park Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GERCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnanc1:24000\_sri m 610 610 Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community 305 0

# **Topographic Map**

45°10'30"N

Address: 6688 Franktown Rd, Ottawa, ON

Order No: 20180522066



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

# Detail Report

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>1</u>	1 of 1		-/0.0	99.9 / 0.00	lot 20 con 3 ON		WWIS
Well ID: Constructio Primary Wa Sec. Water Final Well S Water Type: Casing Mate Audit No: Tag: Constructio Method: Elevation (n Elevation R Depth to Be Well Depth: Overburden Pump Rate: Static Wate Flowing (Y/I Flow Rate: Clear/Cloud	n Date: ter Use: Use: itatus: erial: n n): eliability: drock: //Bedrock: r Level: N):	1502410 Domestic 0 Water Sup	oply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 9/18/1967 1 3503 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 020 03 CON	
Bore Hole In DP2BR: Code OB: Code OB De Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location So Improvemen Source Revi Supplier Con	formation D: esc: urce Date: t Location t Location sion Comm mment:	10024453 o Overburde 100.59953 Source: Method: ent:	en 33		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	5 margin of error : 100 m - 300 m p5 6/12/1967	
<u>Overburden</u> <u>Materials Int</u>	<u>and Bedro erval</u>	<u>ck</u>					
Formation IL Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materi Mat3:	D: or: on Material ials:	:	930994451 1 02 TOPSOIL 13 BOULDERS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materia	ls:				
Formation To	p Depth:	0.00			
Formation En	d Depth:	20.00			
Formation En	d Depth UOM:	ft			
Formation ID:		930994452			
Layer:		2			
Color:					
General Colo	r:	4.4			
Matt: Most Commo	n Matorial:				
Mat2.	n watenar.	ONAVEL			
Other Materia	ls:				
Mat3:					
Other Materia	ls:				
Formation To	p Depth:	20.00			
Formation En	d Depth:	22.00			
Formation En	d Depth UOM:	π			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons	truction ID:	961502410			
Method Cons	truction Code:	1			
Method Cons	truction:	Cable Tool			
Other Method	Construction:				
<u>Pipe Informat</u>	ion				
Pipe ID:		10573023			
Casing No:		1			
Comment:					
An Name.					
<u>Construction</u>	Record - Casing				
Casing ID:		930041675			
Layer:		1			
Material:	Matarial	1 97551			
Depth From:	Waleriai.	SILL			
Depth To:		22.00			
Casing Diame	eter:	5.00			
Casing Diame	eter UOM:	inch			
Casing Depth	UOM:	ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID	:	991502410			
Pump Set At:		0.00			
Static Level:	Hox Dumminou	8.00			
Recommende	ner Fullpillg: ad Pumn Denth	12.00			
Pumpina Rate	e:	5.00			
Flowing Rate	:				
Recommende	ed Pump Rate:	5.00			
Levels UOM:		ft			
Kate UOM: Water State	ftor Tost Codo:	GPM 1			
Water State A	fter Test	CLEAR			
Pumping Tes	t Method:	1			
Pumping Dur	ation HR:	1			

Мар Кеу	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Dura Flowing:	ation MIN:		0 N			
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UON	1:	933455193 1 1 FRESH 22.00 ft			
<u>2</u>	1 of 2		NNW/30.0	99.9 / 0.00	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accu Elev. Reliabili Total Depth m Township:: Lot:: Completion D Primary Wate Details Stratum ID: Bottom Depth Stratum ID: Bottom Depth	uracy:: ity Note:: 1:: Pate:: r Use:: n(m):	610281 432201 19.8 AUG-196 2183851 2.4 2183851 19.8	64 68 69		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use:: Top Depth(m): Stratum Desc: Top Depth(m): Stratum Desc:	Borehole 18 5003172 99.1 100 -999.9 0.0 CLAY,SOIL. 2.4 SANDSTONE. 00060EY. 0010000060. GREY. 00064STONE. TILL. BROWN,DENSE. 0004035
2	2 of 2		NNW/30.0	99.9 / 0.00	lot 20 con 3	00040035
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Materi Audit No: Tag: Construction Elevation (m): Elevation Reli Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N) Flow Rate: Clear/Cloudy:	Date: r Use: se: itus: ial: Method: : iability: rock: Bedrock: Level: :	1502409 Domestic 0 Water Su	; ipply		ON Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 8/31/1964 1 3503 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 020 03 CON

#### Bore Hole Information

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Bore Hole ID: DP2BR: Code OB: Code OB Des Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Com	10024 8 r c: Bedroo 100.62 rce Date: Location Source: Location Method: ion Comment: ioment:	452 ck 29638		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	5 margin of error : 100 m - 300 m p5 8/15/1964	
Materials Inte	rval	000004440				
Formation ID: Layer: Color:		930994449 1				
General Color Mat1: Most Commo Mat2: Other Materia Mat3:	r: n Material: ls:	05 CLAY 02 TOPSOIL				
Other Materia Formation To Formation En Formation En	ls: p Depth: d Depth: d Depth UOM:	0.00 8.00 ft				
Formation ID: Layer: Color:		930994450 2				
General Coloi Mat1: Most Commo Mat2: Other Materia Mot2:	r: n Material: ls:	18 SANDSTONE				
Other Materia Formation To Formation En Formation En	ls: p Depth: d Depth: d Depth UOM:	8.00 65.00 ft				
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961502409 1 Cable Tool				
<u>Pipe Informat</u>	<u>ion</u>					
Pipe ID: Casing No: Comment: Alt Name:		10573022 1				

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Мар Кеу	Number Records	of Direct Distai	tion/ Elev/Dit nce (m) (m)	ff Site		DB
Construction	Record - C	asing				
Casing ID: Layer: Material: Open Hole ol Depth From:	· Material:	93004167 1 1 STEEL	73			
Depth To: Casing Diam Casing Diam Casing Deptl	eter: eter UOM: n UOM:	10.00 6.00 inch ft				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam	• Material: eter: eter UOM: 1 UOM:	93004167 2 4 OPEN HC 65.00 6.00 inch ff	74 DLE			
Results of W	ell Yield Tes	ting				
Pump Test IL Pump Set At Static Level: Final Level A Recommend Pumping Rate Flowing Rate Recommend Levels UOM: Rate UOM: Water State A Pumping Dur Pumping Dur Flowing: <u>Water Details</u>	o: fter Pumpin ed Pump De e: ed Pump Ra After Test Co After Test Co After Test: at Method: ration HR: ration MIN:	99150240 g: 28.00 pth: 52.00 10.00 te: 5.00 ft GPM ode: 1 CLEAR 1 0 30 N	99			
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM	93345519 1 FRESH 60.00 f: ft	)2			
<u>3</u>	1 of 1	S/32.3	99.9 / 0.0	0 lot 19 cor ON	13	WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Std Water Type: Casing Matel Audit No: Tag: Construction	Date: er Use: se: atus: rial: Method:	1524746 Domestic Water Supply 80332		Data Entry S Data Src: Date Receiv Selected Fla Abandonme Contractor: Form Versio Owner: Street Name County:	Status: 1   red: 9/17/1990   ag: 1   ent Rec: 1558   pn: 1   e: OTTAWA-CAR	LETON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Elevation (m): Elevation Reli Depth to Bedr Well Depth: Overburden/B Pump Rate: Static Water L Flowing (Y/N): Flow Rate: Clear/Cloudy:	ability: ock: edrock: evel:			Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	GOULBOURN TOWNSHIP 019 03 CON	
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Code OB: Code OB Deso Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sour	10046494 16 r Bedrock 99.907943	3		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	9 unknown UTM lot 7/26/1990	
Improvement Improvement Source Revisi Supplier Com	Location Source: Location Method: on Comment: ment:					
<u>Overburden al</u> <u>Materials Inter</u>	nd Bedrock wal					
Formation ID: Layer: Color: General Color Mat1: Most Commor Mat2: Other Material Mat3: Other Material	: n Material: s: s:	931058944 1 6 BROWN 28 SAND 79 PACKED				
Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	0.00 3.00 ft				
Formation ID: Layer: Color: General Color: Mat1: Most Commor Mat2: Other Material Mat3: Other Material	: n Material: s: s:	931058945 2 2 GREY 28 SAND 79 PACKED				
Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	3.00 16.00 ft				
Formation ID: Layer: Color: General Color Mat1:	:	931058946 3 2 GREY 15				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common	n Material:	LIMESTONE			
Mat2: Other Materia	ls.	78 MEDIUM-GRAINED			
Mat3:					
Other Materia	ls:				
Formation Top	p Depth:	16.00			
Formation En	d Depth: d Depth UOM <sup>.</sup>	90.00 ft			
<u>Method of Col Use</u>	nstruction & Well				
Method Const	truction ID:	961524746			
Method Const	truction Code:	5			
Method Const Other Method	truction:	Air Percussion			
Other Method	Construction.				
<u>Pipe Informati</u>	ion				
Pipe ID:		10595064			
Casing No:		1			
Comment:					
Alt Name.					
<b>Construction</b>	Record - Casing				
Casing ID:		930081392			
Layer:		1			
Material: Open Hole or	Matorial:	1 STEEI			
Depth From:	waterial.	SILLE			
Depth To:		22.00			
Casing Diame	ter:	6.00			
Casing Diame	eter UOM:	inch ft			
Casing Depth	00111.	п			
Casing ID:		930081393			
Layer:		2			
Open Hole or	Material:	4 OPEN HOLE			
Depth From:					
Depth To:		90.00			
Casing Diame	ter: ter UOM:	6.00 inch			
Casing Depth	UOM:	ft			
<u>Results of We</u>	II Yield Testing				
Pump Test ID: Bump Set At	:	991524746			
Static Level		10.00			
Final Level Af	ter Pumping:	40.00			
Recommende	d Pump Depth:	75.00			
Pumping Rate	); 	20.00			
Recommende	d Pump Rate:	5.00			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State A	tter Test Code: fter Test	1 CLEAR			
Pumpina Test	Method:	1			
Pumping Dura	ation HR:	1			

Мар Кеу	Number Records	of ;	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pumping Dui Flowing:	ration MIN:		0 N				
<u>Draw Down &amp;</u>	<u>&amp; Recovery</u>						
Pump Test D	etail ID:		934109933				
Test Duration	n:		15				
Test Level:			40.00				
Test Level U	ОМ:		ft				
Pump Test D Test Type:	etail ID:		934385342				
Test Duration	n:		30				
Test Level:			40.00				
Test Level U	OM:		π				
Pump Test D Test Type:	etail ID:		934654703				
Test Duration	n:		45				
Test Level:			40.00				
Test Level U	ОМ:		π				
Pump Test D	etail ID:		934903078				
Test Duration	n:		60				
Test Level:			40.00				
Test Level U	ОМ:		ft				
Water Details	5						
Water ID:			933483480				
Layer:			1				
Kind Code:			5 Not stated				
Nilla: Water Found	Denth		50 00				
Water Found	Depth UON	1:	ft				
Water ID:			933483481				
Layer:			2				
Kind Code: Kind			D Not stated				
Water Found	Depth:		84.00				
Water Found	Depth UON	1:	ft				
4	1 of 1		NW/40.7	99.9 / 0.00	lot 16 con 4 GLOUCESTER ON		WWIS
Well ID:		1536667			Data Entry Status:		
Construction	Date:				Data Src:		
Primary Wate	er Use:				Date Received:	9/7/2006	
Sec. water U	se: atus:	Abandone	ed-Other		Selected Flag:	ı Yes	
Water Type:					Contractor:	1119	
Casing Mater	rial:				Form Version:	3	
Audit No:		Z48579			Owner:		
Tag:					Street Name:	2714 FENTON RD	
Construction	i wethod: \-				County: Municipality:		
Elevation Re	,. liabilitv <sup>.</sup>				Site Info:	PLAN 5R-1387 PART 1	
Depth to Bed	lrock:				Lot:	016	
Well Depth:					Concession:	04	
Overburden/	Bedrock:				Concession Name:	CON	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pump Rate: Static Water L Flowing (Y/N): Flow Rate: Clear/Cloudy:	evel:			Easting NAD83: Northing NAD83: Zone: UTM Reliability:		
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Code OB: Code OB Desc Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sour Improvement Source Revisi Supplier Com	u c: all layers a 100.82473 rce Date: Location Source: Location Method: ion Comment: ment:	are unknown type 37		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	3 margin of error : 10 - 30 m wwr UTM83 6/22/2006	
<u>Overburden al</u> <u>Materials Inter</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Commor Mat2: Other Material Mat3: Other Material Formation Top Formation End	: n Material: ls: ls: p Depth: d Depth: d Depth: d Depth UOM:	933070648 1 0.00 26.21 m				
<u>Annular Space</u> Sealing Recor	e/Abandonment_ rd					
Plug ID: Layer: Plug From: Plug To: Plug Depth UC	ОМ:	933302004 1 26.21 0.00 m				
<u>Method of Cor</u> <u>Use</u>	nstruction & Well					
Method Const Method Const Method Const Other Method	truction ID: truction Code: truction: Construction:	961536667				
<u>Pipe Informati</u>	ion					
Pipe ID: Casing No: Comment:		11696627 1				

Мар Кеу	Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Alt Name:							
<u>5</u>	1 of 1		NW/46.3	99.9 / 0.00	lot 19 con 4 RICHMOND ON		WWIS
Well ID:		7248774			Data Entry Status:		
Construction	n Date:				Data Src:		
Primary Wat	er Use:	Domestic	;		Date Received:	9/22/2015	
Sec. Water U	JSE: tatus:	Water Si	vlaai		Selected Flag:	1	
Water Type:	laius.	Water St	ippiy		Contractor:	1119	
Casing Mate	erial:				Form Version:	7	
Audit No:		Z191564			Owner:		
Tag:	n Mathadi	A186910			Street Name:	6685 FRANKTOWN ROAD	
Flevation (m	n wetrioa: n):				County: Municipality:	GOULBOURN TOWNSHIP	
Elevation Re	eliability:				Site Info:	PART 1 & 2	
Depth to Be	drock:				Lot:	019	
Well Depth:	<i>.</i>				Concession:	04	
Overburden	Bedrock:				Concession Name:	CON	
Static Water	Level:				Northing NAD03:		
Flowing (Y/N	I):				Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloud	<b>y</b> :						
<u>Bore Hole In</u>	formation						
Bore Hole ID	):	1005699	380		Spatial Status:		
DP2BR:					Cluster Kind:		
Code OB:	~~~				UTMRC:	4 margin of arror : 30 m 100 m	
Open Hole:	50.				Location Method:	dis	
Elevation:		100.8622	258		Org CS:	UTM83	
Elevrc:					Date Completed:	8/3/2015	
Remarks:							
Lievrc Desc.	: urce Date:						
Improvemen	t Location S	Source:					
Improvemen	nt Location I	Nethod:					
Source Revi	sion Comm	ent:					
Supplier Col	mment:						
<u>Overburden</u> <u>Materials Int</u>	<u>and Bedroc</u> erval	<u>k</u>					
Formation II	D:		1005726909				
Layer:			1				
Color:							
General Colo Mat1:	or:		05				
Most Comm	on Material:		CLAY				
Mat2:							
Other Mater	ials:						
Mat3: Other Meter	iale.						
Formation T	op Denth:		0.00				
Formation E	ind Depth:		16.00				
Formation E	nd Depth U	ОМ:	ft				
	<b>.</b> .		1005706040				
Formation IL	<i>)</i> :		1000726910 2				
Color:			2				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Colo Mat1: Most Commo Mat2: Other Materia Mat3:	r: n Material: ls:	GREY 15 LIMESTONE			
Other Materia	ls:	40.00			
Formation 10	p Deptn: d Dopth:	16.00			
Formation En	d Depth UOM:	ft			
Formation ID. Layer: Color: General Color Mat1:	r: n Makariala	1005726911 3 1 WHITE 18 SANDSTONE			
Most Commo Mat2: Other Materia Mat3:	ls:	15 LIMESTONE			
Other Materia Formation To Formation En Formation En	ls: p Depth: d Depth: d Depth UOM:	100.00 130.00 ft			
Formation ID. Layer: Color: General Colo. Mat1:	r:	1005726912 4 1 WHITE 18			
Most Commo Mat2: Other Materia Mat3:	n Material: ls:	SANDSTONE 15 LIMESTONE			
Other Materia Formation To Formation En Formation En	is: p Depth: d Depth: d Depth UOM:	130.00 140.00 ft			
<u>Annular Spac</u> Sealing Reco	e/Abandonment rd				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ом:	1005726947 1 22.00 122.00 ft			
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ОМ:	1005726948 2 12.00 0.00 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	1005726946 5 Air Percussion			

#### Pipe Information

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: Casing No: Comment: Alt Name:		1005726907 0			

#### **Construction Record - Casing**

Casing ID: Layer: Material: Open Hole or Material: Denth From:	1005726916 1 1 STEEL -2 00
Depth To:	22.00
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID: Laver:	1005726917 2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	22.00
Depth To:	140.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Construction Record - Screen

Screen ID:	1005726918
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

#### Results of Well Yield Testing

Pump Test ID:	1005726908
Pump Set At:	120.00
Static Level:	14.25
Final Level After Pumping:	43.67
Recommended Pump Depth:	120.00
Pumping Rate:	20.00
Flowing Rate:	
Recommended Pump Rate:	20.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

#### Draw Down & Recovery

Pump	Test	Detail	ID:	
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1005726919

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	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
-	Test Type:		Draw Down			
	Test Duration	:	1			
	Test Level:		21.00			
	Test Level UC	DM:	ft			
	Pump Test De	etail ID:	1005726920			
	Test Type:		Recovery			
	Test Duration	:	1			
	Test Level:		43.66			
	Test Level UC	)w:	π			
	Pump Test De	etail ID:	1005726921			
	Test Type:		Draw Down			
	Test Duration	2	2			
	Test Level:	<i>₩</i> .	24.00 ft			
	lest Level De		it.			
	Pump Test De	etail ID:	1005726922			
	Test Type:		Recovery			
	Test Duration	2	2			
	Test Level:	N//-	30.08			
	Test Level OC	////.	n			
	Pump Test De	etail ID:	1005726923			
	Test Type:		Draw Down			
	Test Duration	:	3			
	Test Level:	N/4-	28.08			
	Test Level OC	<i>) IVI .</i>	it.			
	Pump Test De	etail ID:	1005726924			
	Test Type:		Recovery			
	Test Duration	:	3			
	Test Level:	N#4-	30.16			
	Test Level UC	) V :	п			
	Pump Test De	etail ID:	1005726925			
	Test Type:		Draw Down			
	Test Duration	:	4			
	Test Level:	N#4-	31.50			
	Test Level UC	)WI:	π			
	Pump Test De	etail ID:	1005726926			
	Test Type:		Recovery			
	Test Duration	:	4			
	Test Level:		19.08			
	Test Level UC	DIVI:	π			
	Pump Test De	etail ID:	1005726927			
	Test Type:		Draw Down			
	Test Duration	:	5			
	Test Level:		33.16			
	Test Level UC	DM:	ft			
	Pump Test De	etail ID:	1005726928			
	Test Type:		Recovery			
	Test Duration	:	5			
	Test Level:		17.00			
	Test Level UC	DM:	π			
	Pump Test De	etail ID:	1005726930			
	Test Type:		Recovery			
	Test Duration	:	10			
	Test Level:		14.25			
	Test Level UC	)///:	π			
	Pump Test De	etail ID:	1005726929			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration	1:	10			
Test Level:		37.66			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	1005726931			
Test Type:		Draw Down			
Test Duratior	1:	15			
Test Level:		40.41			
Test Level U	OM:	ft			
Pump Test D	etail ID:	1005726932			
Test Type:		Recovery			
Test Duration	1:	15			
Test Level:	~~~	14.25			
Test Level U	DM:	π			
Pump Test D	etail ID:	1005726934			
Test Type:		Recovery			
Test Duration	1:	20			
Test Level:	<b>0</b> 14.	14.25			
Test Level U	JW:	п			
Pump Test D	etail ID:	1005726933			
Test Type:		Draw Down			
Test Duration	1:	20			
Test Level:		41.00			
Test Level U	OM:	ft			
Pump Test D	etail ID:	1005726936			
Test Type:		Recovery			
Test Duration	1:	25			
Test Level:		14.25			
Test Level U	OM:	ft			
Pump Test D	etail ID:	1005726935			
Test Type:		Draw Down			
Test Duration	1:	25			
Test Level:		43.16			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	1005726937			
Test Type:		Draw Down			
Test Duration	ı:	30			
Test Level:		43.50			
Test Level U	OM:	ft			
Pump Test D	etail ID:	1005726938			
Test Type:		Recovery			
Test Duration	1:	30			
Test Level:		14.25			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	1005726939			
Test Type:		Draw Down			
Test Duration	1:	40			
Test Level:		43.66			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	1005726940			
Test Type:		Recovery			
Test Duration	1:	40			
Test Level:	~	14.25			
Test Level U	OM:	ft			
Pump Test D	etail ID:	1005726941			

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Type:		[	Draw Down				
Test Duration	n:	5	50				
Test Level:	~~	4	13.66				
Test Level U	OM:	t	t				
Pump Test D	etail ID:	1	1005726942				
Test Type:		F	Recovery				
Test Duration	n:	5	DU 14 DE				
Test Level:	OM-	f	14.20 t				
		I	1005700040				
Pump Test D	etali ID:		1005726943 Drow Down				
Test Type: Test Duration	n.	L F					
Test Level		2	13 66				
Test Level U	ОМ:	f	t				
Pump Test D	etail ID·	1	1005726944				
Test Type:	etan ib.	F	Recoverv				
Test Duration	n:	e	50				
Test Level:		1	14.25				
Test Level U	ОМ:	f	t				
Water Details	5						
Water ID:		1	1005726915				
Layer:		1	1				
Kind Code:		8	3				
Kind:		ι	Jntested				
Water Found	Depth:	1	130.00				
Water Found	Depth UON	<i>1:</i> t	t				
Hole Diamete	<u>er</u>						
Hole ID:		1	1005726913				
Diameter:		ę	9.75				
Depth From:		(	0.00				
Depth To:		2	22.00				
Hole Depth U Hole Diamete	IOM: er UOM:	t i	t nch				
Hole ID:		1	1005726914				
Diameter:		e	6.00				
Depth From:		2	22.00				
Depth To:		1	140.00				
Hole Depth L	IOM:	f	t				
Hole Diamete	er UOM:	i	nch				
<u>6</u>	1 of 1		NW/75.4	99.9 / 0.00	lot 13 con 10 BECKWITH ON		wwis
Well ID:		7108135			Data Entry Status:		
Construction	Date:				Data Src:		
Primary Wate	er Use:	Domestic			Date Received:	7/15/2008	
Sec. Water U	lse:				Selected Flag:	1	
Final Well St	atus:	Water Sup	ply		Abandonment Rec:	1110	
water Type:	<b></b>				Contractor:	71119	
Casing Matel	ıdı:	780774			Pormi version: Owner:	1	
Tage		Z00774 A066401			Street Name		
Construction	Method.	7000431			County:	IANARK	
Elevation (m	);				Municipality:	BECKWITH TOWNSHIP	
Elevation Re	, liability:				Site Info:		

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Order No: 20180522066

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth to Bedr Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N). Flow Rate: Clear/Cloudy:	rock: Bedrock: .evel: :			Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	013 10 CON	
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Code OB: Code OB Dese	100165782 <b>c</b> :	6		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc:	3 margin of error : 10 - 30 m	
<i>Open Hole: Elevation: Elevrc: Remarks:</i>	100.77009	5		Location Method: Org CS: Date Completed:	wwr UTM83 6/3/2008	
Elevrc Desc: Location Sour Improvement Improvement Source Revisi Supplier Com	rce Date: Location Source: Location Method: ion Comment: ment:					
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color:	1	001779894				
General Color Mat1: Most Common Mat2: Other Materia Mat3:	r: 2 n Material: S Is:	8 SAND				
Other Materia Formation To Formation En Formation En	ls: p Depth: 0 d Depth: 0 d Depth UOM: n	0.00 0.91 n				
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2:	1 2 2 2 0 0 1 n <i>Material:</i> L	001779895 SREY 5 IMESTONE				
Other Materia Mat3: Other Materia Formation To, Formation En Formation En	Is: p Depth: 0 d Depth: 3 d Depth UOM: n	0.91 10.47 n				
<u>Annular Spac</u> Sealing Recol	<u>e/Abandonment</u> r <u>d</u>					
Plug ID:	1	001779897				
Layer: Plug From:	1	2.19				

	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	Plug To:		0.00			
	Plug Depth U	OM:	m			
	Method of Co	nstruction & Well				
	<u>Use</u>					
	Method Cons	truction ID:	1001779928			
	Method Cons	truction Code:	5			
	Method Cons	truction:	Air Percussion			
	Other Method	Construction.				
	Pipe Informat	<u>uon</u>				
	Pipe ID:		1001779892			
	Casing No:		0			
	Comment:					
	Alt Mullie.					
	Construction	Booord Cooing				
	<u>consuluciion</u>	Necora - Casilig				
	Casing ID:		1001779899			
	Layer: Motoriali		1			
	Open Hole or	Material:	STEEL			
	Depth From:		12.80			
	Depth To:		0.00			
	Casing Diame	eter UOM:	0.15 cm			
	Casing Depth	UOM:	m			
	<b>Construction</b>	Record - Screen				
	Scroon ID:		1001770000			
	Layer:		1001773300			
	Slot:					
	Screen Top D	Pepth:				
	Screen Mater	ial:				
	Screen Depth	UOM:				
	Screen Diame	eter UOM:				
	Screen Diame	eler.				
	Deculto of M	Wield Testing				
	Results of We	en neia resting				
	Pump Test ID	):	1001779893			
	Pump Set At:		24.38			
	Final Level A	fter Pumpina:	7.64			
	Recommende	ed Pump Depth:	24.38			
	Pumping Rate	e:	91.00			
	Recommende	: ed Pump Rate:	91.00			
	Levels UOM:		m			
	Rate UOM:	How Toot Or de	LPM			
	water State A	iner rest Code:	U			
	Pumping Tes	t Method:	0			
	Pumping Dur	ation HR:	1			
	Pumping Dur Flowing	ation MIN:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	D	В
Draw Down &	Recovery					
Pumn Test D	etail ID <sup>.</sup>	1001779902				
Test Type:		Recovery				
Test Duration	1:	1				
Test Level:		7.47				
Test Level U	ОМ:	m				
		1001770001				
Pump Test D	etail ID:	1001779901 Draw Dawr				
Test Type:	••					
Test Duration	1.	1				
Test Level.	о <i>м</i> -	7.44 m				
lest Level 0	Ow.					
Pump Test D	etail ID:	1001779903				
Test Type:		Draw Down				
Test Duration	า:	2				
Test Level:		7.47				
Test Level U	OM:	m				
Pump Test D	etail ID:	1001779904				
Test Type:		Recovery				
Test Duration	1:	2				
Test Level:		7.32				
Test Level U	OM:	m				
Pumn Test D	otail ID:	1001779906				
Test Type:		Recovery				
Test Duration	ו:	3				
Test Level:		7.32				
Test Level U	ОМ:	m				
Pumn Test D	etail ID:	1001779905				
Test Type:		Draw Down				
Test Duration	1:	3				
Test Level:		7.50				
Test Level U	ОМ:	m				
Pump Tost D	otail ID:	1001779907				
Test Type		Draw Down				
Test Duration	1:	4				
Test Level:		7.52				
Test Level U	ОМ:	m				
Bump Toot D		1001770009				
rump fest D		Recovery				
Test Type:	••					
Test Loval	1.	7 32				
Test Level U	OM:	m				
		4004770000				
Pump Test D	etali ID:	1001//9909 Drow Dowr				
Test Type:						
Test Duration	1.	5 7 54				
Test Level:	ом·	7.34 m				
I GOL LEVEL U	C.91.					
Pump Test D	etail ID:	1001779910				
Test Type:		Recovery				
Test Duration	1:	5				
Test Level:	~~~	7.32				
Test Level U	OM:	m				
Pump Test D	etail ID:	1001779911				
Test Type:		Draw Down				
Test Duration	1:	10				
Test Level:		7.58				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779912			
Test Type:		Recovery			
Test Duration	n:	10			
Test Level:		7.32			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779913			
Test Type:		Draw Down			
Test Duration	n:	15			
Test Level:		7.60			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779914			
Test Type:		Recovery			
Test Duration	n:	15			
Test Level:		7.32			
Test Level U	OM:	m			
Pump Test D	etail ID:	1001779915			
Test Type:		Draw Down			
Test Duration	n:	20			
Test Level:		7.61			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779916			
Test Type:		Recoverv			
Test Duration	n:	20			
Test Level:		7.32			
Test Level U	ОМ:	m			
Pump Test D	etail ID <sup>.</sup>	1001779917			
Test Type:		Draw Down			
Test Duration	n:	25			
Test Level:		7.62			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779918			
Test Type:		Recovery			
Test Duration	n:	25			
Test Level:		7.32			
Test Level U	ОМ:	m			
Pump Test D	letail ID:	1001779919			
Test Type		Draw Down			
Test Duration	n·	30			
Test Level:		7.63			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779920			
Test Type:		Recovery			
Test Duration	n:	30			
Test Level:		7.32			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779921			
Test Type:	· · · · · ·	Draw Down			
Test Duration	n:	40			
Test Level:		7.63			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001779922			
Test Type:		Recovery			
Test Duration	n:	40			
Test Level:		7.32			

Мар Кеу	Number o Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level U	OM:	m				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: OM:	1001779923 Draw Down 50 7.63 m				
Pump Test D Test Type: Test Duration Test Level: Test Level U Pump Test D Test Type: Test Duration Test Level U Pump Test D Test Type: Test Duration Test Level: Test Level:	etail ID: n: OM: vetail ID: n: OM: vetail ID: n:	1001779924 Recovery 50 7.32 m 1001779925 Draw Down 60 7.64 m 1001779926 Recovery 60 7.32				
Test Level U	OM:	m				
Water Details	5					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	1001779898 1 8 Untested 25.00 m				
Hole Diamete	<u>er</u>					
Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	IOM: er UOM:	1001779896 15.55 30.47 0.00 m cm				
<u>7</u>	1 of 1	NW/77.9	99.9 / 0.00	lot 6 con 5 GREELY ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m, Elevation Re Depth to Beo Well Depth: Overburden/ Pump Rate:	n Date: er Use: [ se: atus: \ rial: 2 n Method: ): liability: liability: lrock: Bedrock:	1536384 Domestic Water Supply Z39983 A036169		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83:	6/12/2006 1 1119 3 6045/6055 BANK STREET OTTAWA-CARLETON GOULBOURN TOWNSHIP PLAN 902 P/L 73/74 006 05 CON	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Static Water L Flowing (Y/N): Flow Rate: Clear/Cloudy:	evel:			Northing NAD83: Zone: UTM Reliability:		
Bore Hole Info	rmation					
Bore Hole ID: DP2BR: Code OB: Code OB Desc Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sour Improvement I Source Revisio Supplier Comr	11550 27 r Bedro 100.76 ce Date: Location Source: Location Method on Comment: ment:	1450 ck 66914		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	3 margin of error : 10 - 30 m wwr UTM83 4/21/2006	
<u>Overburden ar</u> <u>Materials Inter</u>	nd Bedrock wal					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Other Material Mat3:	: n Material: s:	933048241 1 28 SAND 13 BOULDERS				
Other Material Formation Top Formation Enc Formation Enc	s: 5 Depth: 1 Depth: 1 Depth UOM:	0.00 8.23 m				
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Other Material Mat3:	: n Material: s:	933048242 2 GREY 15 LIMESTONE				
Other Material Formation Top Formation End Formation End	s: 5 Depth: 1 Depth: 1 Depth UOM:	8.23 36.57 m				
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Other Material Mat3: Other Material Formation Top	: Material: s: s: Depth:	933048243 3 2 GREY 18 SANDSTONE 36.57				
•	-					

	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
•	Formation En Formation En	d Depth: d Depth UOM:	49.98 m			
	<u>Annular Spac</u> <u>Sealing Reco</u>	e/Abandonment rd				
	Plug ID:		933290720			
	Plug From:		10.36			
	Plug To: Plug Depth U	ОМ:	7.31 m			
	Plug ID:		933290721			
	Layer: Blug From:		2			
	Plug To:		0.00			
	Plug Depth U	ОМ:	m			
	<u>Method of Co</u> <u>Use</u>	nstruction & Well				
	Method Cons	truction ID:	961536384			
	Method Cons	truction Code:	5 Air Percussion			
	Other Method	Construction:				
	<u>Pipe Informat</u>	<u>ion</u>				
	Pipe ID:		11560057			
	Casing No. Comment: Alt Name:		I			
	<u>Construction</u>	Record - Casing				
	Casing ID:		930877588			
	Layer: Matorial:		1			
	Open Hole or	Material:	STEEL			
	Depth From:		0.00			
	Casing Diame	eter:	15.88			
	Casing Diame	eter UOM:	cm			
	Casing Depth	UOM:	m			
	Casing ID: Laver:		930877589 2			
	Material:		4			
	Open Hole or Depth From:	Material:	OPEN HOLE			
	Depth To:		49.98			
	Casing Diame	eter:	cm			
	Casing Depth	UOM:	m			
	<u>Results of We</u>	ell Yield Testing				
	Pump Test ID	:	11569466			
	Pump Set At:		42.67 1 30			
	Final Level A	fter Pumping:	2.04			
	Recommende	ed Pump Depth:	42.67			

35 erisinf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rat Flowing Rate Recommende Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	e: : ed Pump Rate: After Test Code: After Test: t Method: ation HR: ation MIN:	91.00 91.00 m LPM 2 CLOUDY 1 1 0			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	11602252 Recovery 1 1.72 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U0	etail ID: 1: DM:	11602251 Draw Down 1 1.59 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: 1: DM:	11602253 Draw Down 2 1.59 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: 1: DM:	11602254 Recovery 2 1.65 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: 1: DM:	11602255 Draw Down 3 1.62 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U0	etail ID: 1: DM:	11602256 Recovery 3 1.56 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U0	etail ID: 1: DM:	11602258 Recovery 4 1.45 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: 1: DM:	11602257 Draw Down 4 1.62 m			
Pump Test D Test Type: Test Duratior	etail ID: n:	11602260 Recovery 5			
Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
---------------	----------------------	----------------------------	------------------	------	----
Test Level:	OM:	1.38 m			
lest Level O	<b>O</b> <i>M</i> .	111			
Pump Test D	etail ID:	11602259			
Test Type:		Draw Down			
Test Duratio	n:	5			
Test Level:	<u></u>	1.6Z			
Test Level O	OM.				
Pump Test D	etail ID:	11602261			
Test Type:		Draw Down			
Test Duratio	n:	10			
Test Level:	<u></u>	1.68			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	11602262			
Test Type:		Recovery			
Test Duratio	n:	10			
Test Level:	~~	1.30			
Test Level U	OM:	m			
Pump Test D	etail ID:	11602263			
Test Type:		Draw Down			
Test Duration	n:	15			
Test Level:	~~	1.74			
Test Level U	OM:	m			
Pump Test D	etail ID:	11602264			
Test Type:		Draw Down			
Test Duratio	n:	20			
Test Level:	<u></u>	1.76			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	11602265			
Test Type:		Draw Down			
Test Duratio	n:	25			
Test Level:	<u></u>	1.79			
Test Level U	01/11:	m			
Pump Test D	etail ID:	11602266			
Test Type:		Draw Down			
Test Duratio	n:	30			
Test Level:	<b>0</b> 14	1.81 m			
Test Level O	011.	111			
Pump Test D	etail ID:	11602267			
Test Type:		Draw Down			
Test Duration	n:	40			
Test Level:	~~~	1.85			
Test Level U	OM:	m			
Pump Test D	etail ID:	11602268			
Test Type:		Draw Down			
Test Duratio	n:	50			
Test Level:	014	1.89			
Test Level U		m			
Pump Test D	etail ID:	11602269			
Test Type:		Draw Down			
Test Duratio	n:	60			
Test Level:	~~~	2.04			
i est Level U	ОМ:	m			

## Water Details

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		934076137			
Layer:		1			
Kind Code:					
Kind:					
Water Found	l Depth:	13.11			
Water Found	I Depth UOM:	m			
Water ID:		934076136			
l aver		2			
Kind Code		-			
Kind:					
Water Found	Depth:	48.16			
Water Found	Depth UOM:	m			
Hole Diamet	<u>er</u>				
Hole ID:		11681157			
Diameter:		15.23			
Depth From:		0.00			
Depth To:		49.98			
Hole Depth l	JOM:	m			
Hole Diamet	er UOM:	cm			

<u>8</u>	1 of 1	NW/78.9	99.9 / 0.00	lot 3 con 4 GREELY ON		WWIS
Well ID:		7053852		Data Entry Status:		
Construction	on Date:			Data Src:		
Primary Wa	ater Use:	Domestic		Date Received:	12/14/2007	
Sec. Water	Use:			Selected Flag:	1	
Final Well S	Status:	Water Supply		Abandonment Rec:		
Water Type	):			Contractor:	1119	
Casing Mat	terial:			Form Version:	4	
Audit No:		Z61172		Owner:		
Tag:		A072307		Street Name:	6778 SUNCREST DRIVE	
Constructio	on Method:			County:	OTTAWA-CARLETON	
Elevation (	m):			Municipality:	OSGOODE TOWNSHIP	
Elevation F	Reliability:			Site Info:		
Depth to B	edrock:			Lot:	003	
Well Depth	:			Concession:	04	
Overburde	n/Bedrock:			Concession Name:		
Pump Rate	<i>:</i>			Easting NAD83:		
Static Wate	er Level:			Northing NAD83:		
Flowing (Y/	/N):			Zone:		
Flow Rate:	2			UTM Reliability:		
Clear/Cloud	dy:					
Bore Hole I	Information					

Bore Hole ID: 23053852 Spatial Status: DP2BR: Cluster Kind: Code OB: UTMRC: 3 Code OB Desc: UTMRC Desc: margin of error : 10 - 30 m **Open Hole:** Location Method: Υ wwr 100.76818 Elevation: Org CS: UTM83 Date Completed: 11/13/2007 Elevrc: Remarks: Elevrc Desc: Location Source Date:

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

Materials Interval	
Formation ID: Layer: Color:	1001510005 1
General Color:	20
Most Common Material	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth: Formation End Depth:	6.71
Formation End Depth UOM:	m
Formation ID:	1001510006
Color	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2: Other Meteriale:	
Mata:	
Other Materials:	
Formation Top Depth:	6.71
Formation End Depth:	18.29
Formation End Depth UOM:	m
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
<u>Annular Space/Abandonment</u> <u>Sealing Record</u> Plug ID:	1001510008
<u>Annular Space/Abandonment</u> <u>Sealing Record</u> Plug ID: Layer:	1001510008 1
<u>Annular Space/Abandonment</u> <u>Sealing Record</u> Plug ID: Layer: Plug From:	1001510008 1 9.45
<u>Annular Space/Abandonment</u> <u>Sealing Record</u> Plug ID: Layer: Plug From: Plug To: Devel: UOM	1001510008 1 9.45 6.40
<u>Annular Space/Abandonment</u> <u>Sealing Record</u> Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	1001510008 1 9.45 6.40 m
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID:	1001510008 1 9.45 6.40 m 1001510009
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug To: Plug Depth UOM: Plug ID: Layer:	1001510008 1 9.45 6.40 m 1001510009 2
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug To:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug To: Plug To: Plug Depth UOM:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug From: Plug To: Plug Depth UOM: Method of Construction & Well Use	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug From: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug From: Plug To: Plug Depth UOM: <u>Method of Construction &amp; Well</u> <u>Use</u> Method Construction ID: Method Construction Code:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug ID: Layer: Plug From: Plug From: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID: Method Construction Code: Method Construction:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m 1001510041 5 Air Percussion
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m 1001510041 5 Air Percussion
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug From: Plug To: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID: Method Construction ID: Method Construction: Other Method Construction: Pipe Information	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m 1001510041 5 Air Percussion
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug From: Plug To: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID: Method Construction Code: Method Construction: Other Method Construction: Pipe Information Pipe ID:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m 1001510041 5 Air Percussion 1001510003
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug From: Plug To: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID: Method Construction ID: Method Construction: Other Method Construction: Pipe Information Pipe ID: Casing No:	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m 1001510041 5 Air Percussion 1001510003 0
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Plug ID: Layer: Plug Depth UOM: Plug To: Plug To: Plug Depth UOM: Method of Construction & Well Use Method Construction ID: Method Construction ID: Method Construction: Other Method Construction: Pipe ID: Casing No: Comment: At Memori	1001510008 1 9.45 6.40 m 1001510009 2 6.40 0.00 m 1001510041 5 Air Percussion 1001510003 0

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction</b>	Record - Casing				
Casing ID:		1001510012			
Layer:		4			
Material: Open Hole or	Material:	1 STEFI			
Depth From:	material.	01222			
Depth To:		10.06			
Casing Diame	eter: eter UOM:	0.15 cm			
Casing Depth	UOM:	m			
<u>Construction</u>	<u> Record - Screen</u>				
Screen ID:		1001510013			
Layer:					
Screen Top D	epth:				
Screen End D	epth:				
Screen Mater	ial: UOM·				
Screen Diame	eter UOM:				
Screen Diame	eter:				
<u>Results of We</u>	ell Yield Testing				
Pump Test ID	:	1001510004			
Pump Set At: Static Level		12.19 0.40			
Final Level At	fter Pumping:	0.51			
Recommende	ed Pump Depth:	12.19			
Pumping Rate	9:	91.00			
Recommende	ed Pump Rate:	91.00			
Levels UOM:		m			
Rate UOM: Water State A	fter Test Code:	LPM 3			
Water State A	fter Test:	OTHER			
Pumping Tes	t Method:	1			
Pumping Dura Pumping Dura	ation HR: ation MIN <sup>.</sup>	1 0			
Flowing:		N			
<u>Draw Down &amp;</u>	Recovery				
Pump Test De	etail ID:	1001510014			
Test Type:		Draw Down			
Test Duration	:	1 0 45			
Test Level UC	DM:	m.			
Pump Test De	etail ID:	1001510015			
Test Type:		Recovery			
Test Duration	5	1 0.46			
Test Level UC	DM:	m			
Pump Test De	etail ID:	1001510017			
Test Type:		Recovery			
Test Level:		∠ 0.45			
Test Level UC	ОМ:	m			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test De	etail ID:	1001510016			
Test Type:		Draw Down			
Test Duration	:	2			
Test Level:	<i></i>	0.46 m			
Test Level OC	<i>////.</i>				
Pump Test De	etail ID:	1001510018			
Test Type:		Draw Down			
Test Duration	):	3			
Test Level UC	DM:	0.47 M			
Pump Test De	etail ID:	1001510019			
Test Type: Test Duration		Recovery			
Test Level:		0.44			
Test Level UC	ОМ:	m			
Dump Toot D		1001510021			
Test Type:	eldii ID.	Recovery			
Test Duration	:	4			
Test Level:		0.44			
Test Level UC	DM:	m			
Pump Test De	etail ID:	1001510020			
Test Type:		Draw Down			
Test Duration		4			
Test Level:	N/4-	0.47			
Test Level oc	<i>)                    </i>				
Pump Test De	etail ID:	1001510023			
Test Type:		Recovery			
Test Duration	):	5			
Test Level UC	DM:	m			
Pump Test De	etail ID:	1001510022			
Test Type: Test Duration		Draw Down 5			
Test Level:		0.48			
Test Level UC	ОМ:	m			
Burnn Toot D		1001510025			
Test Type	etali ID:	Recovery			
Test Duration		10			
Test Level:		0.42			
Test Level UC	DM:	m			
Pump Test De	etail ID:	1001510024			
Test Type:		Draw Down			
Test Duration	:	10			
Test Level:	M.	0.49 m			
Test Level OC	////.				
Pump Test De	etail ID:	1001510027			
Test Type:		Recovery			
Test Duration	12	0.42			
Test Level UC	ОМ:	m			
		1001510000			
Pump Test De	etail ID:	1001510026			
Test Type: Test Duration	15	15			
Test Level:	-	0.50			
Test Level UC	ОМ:	m			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test D	etail ID:	1001510029			
Test Type:		Recovery			
Test Duration	1:	20			
Test Level:		0.41			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001510028			
Test Type:		Draw Down			
Test Duration	1:	20			
Test Level:		0.50			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001510030			
Test Type:		Draw Down			
Test Duration	n:	25			
Test Level:		0.50			
Test Level U	OM:	m			
Pump Test D	etail ID:	1001510031			
Test Type:		Recovery			
Test Duration	1:	25			
Test Level:	~~~	0.40			
Test Level U	SM:	m			
Pump Test D	etail ID:	1001510033			
Test Type:		Recovery			
Test Duration	1:	30			
Test Level:		0.40			
Test Level U	OM:	m			
Pump Test D	etail ID:	1001510032			
Test Type:		Draw Down			
Test Duration	1:	30			
Test Level:		0.50			
Test Level U	OM:	m			
Pump Test D	etail ID:	1001510035			
Test Type:		Recovery			
Test Duration	1:	40			
Test Level:		0.40			
Test Level U	OM:	m			
Pump Test D	etail ID:	1001510034			
Test Type:		Draw Down			
Test Duration	1:	40			
Test Level:		0.50			
Test Level U	OM:	m			
Pump Test D	etail ID:	1001510037			
Test Type:		Recovery			
Test Duration	1:	50			
Test Level:		0.40			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001510036			
Test Type:		Draw Down			
Test Duration	1:	50			
Test Level:		0.51			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	1001510038			
Test Type:		Draw Down			
Test Duration	ı:	60			
Test Level:		0.51			
Test Level U	ОМ:	m			

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Map Key	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pump Test De Test Type: Test Duration Test Level: Test Level UC	etail ID: n: DM:	1 F 6 0 n	001510039 Recovery 0 .40				
<u>Water Details</u>	i						
Water ID: Layer: Kind Code: Kind:		1 1	001510010				
Water Found Water Found	Depth: Depth UOM:	1 n	2.80 า				
Water ID: Layer: Kind Code: Kind:	5 4	1 2	001510011				
Water Found Water Found	Depth: Depth UOM:	n	7.06 1				
<u>Hole Diamete</u>	<u>er</u>						
Hole ID: Diameter: Depth From: Depth To:		1 1 1	001510007 5.87 8.29				
Hole Depth U Hole Diamete	OM: er UOM:	n C	า m				
<u>9</u>	1 of 1		NW/80.1	99.9 / 0.00	lot 2 con 5 ASHTON ON		wwis
Well ID: Construction	Date:	7047631			Data Entry Status: Data Src:		
Primary Wate Sec. Water Us	er Use: [ se:	Domestic			Date Received: Selected Flag:	8/7/2007 1	
Water Type: Casing Mater	ial:	water Supp	лу		Abandonment Rec: Contractor: Form Version:	1119 3	
Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed	Z Method: : liability: rock:	Z65159 A055162			Owner: Street Name: County: Municipality: Site Info: L ot:	8821 COPELAND ROAD OTTAWA-CARLETON GOULBOURN TOWNSHIP PART 2 002	
Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate:	Bedrock: Level: ):				Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	05 CON	
Glear/Cloudy: Bore Hole Inf	ormation						
Bore Hole ID: DP2BR: Code OB: Code OB Des Open Hole:	::::::::::::::::::::::::::::::::::::::	23047631			Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method:	3 margin of error : 10 - 30 m wwr	

Map Key Numb Recor	er of Direction/ ds Distance (m)	Elev/Diff (m)	Site		DB
Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date Improvement Location Improvement Location Source Revision Com Supplier Comment:	100.766807 Source: Method: ment:		Org CS: Date Completed:	UTM83 7/4/2007	
<u>Overburden and Bedra Materials Interval</u>	<u>ock</u>				
Formation ID: Layer: Color:	30147631 1				
General Color: Mat1: Most Common Materia Mat2: Other Materials: Mat3:	05 CLAY 81 SANDY				
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth	0.00 1.52 <i>UOM:</i> m				
Formation ID: Layer: Color: General Color:	30247631 2				
Mat1: Most Common Materia Mat2: Other Materials: Mat3: Other Materials:	15 al: LIMESTONE				
Formation Top Depth: Formation End Depth: Formation End Depth	1.52 43.28 <i>UOM:</i> m				
<u>Annular Space/Aband</u> <u>Sealing Record</u>	onment_				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	44002777 1 6.10 0.00 m				
<u>Method of Constructio</u>	on & Well				
Method Construction Method Construction Method Construction: Other Method Constru	ID: 25947631 Code: 5 Air Percussion Airction:				
Pipe Information					
Pipe ID: Casing No:	29047631 0				

Comment: Alt Name:

## Construction Record - Casing

Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	42147631 1 STEEL 0.00 6.71 15.88
Casing Depth UOM:	m
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	42247631 2 4 OPEN HOLE 6.10 43.28
Casing Diameter UOM: Casing Depth UOM:	cm m

## Results of Well Yield Testing

Pump Test ID:	27047631
Pump Set At:	36.57
Static Level:	8.56
Final Level After Pumping:	24.72
Recommended Pump Depth:	36.57
Pumping Rate:	56.78
Flowing Rate:	
Recommended Pump Rate:	56.78
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:	N

## Draw Down & Recovery

Pump Test Detail ID:	45025563
Test Type:	Draw Down
Test Duration:	1
Test Level:	11.64
Test Level UOM:	m
Pump Test Detail ID:	45025575
Test Type:	Recovery
Test Duration:	1
Test Level:	19.30
Test Level UOM:	m
Pump Test Detail ID:	45025566
Test Type:	Recovery
Test Duration:	2
Test Level:	17.07
Test Level UOM:	m

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test L	Detail ID:	45025567			
Test Type:		Draw Down			
Test Duratio	n:	2			
Test Level:		13.10			
Test Level U	OM:	m			
Pump Test D	etail ID:	45025565			
Test Type:		Draw Down			
Test Duratio	n:	3			
Test Level:		14.35			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	45025587			
Test Type:		Recovery			
Test Duratio	n:	3			
Test Level:		14.80			
Test Level U	ОМ:	m			
Pump Test L	etail ID:	45025572			
Test Type:		Draw Down			
Test Duratio	n:	4			
Test Level:		15.41			
Test Level U	ОМ:	m			
Pumo Test [	etail ID:	45025573			
Test Type:	ctun no.	Recoverv			
Test Duratio	n:	4			
Test Level:		13.40			
Test Level U	ОМ:	m			
Pump Test L	etail ID:	45025568			
Test Type:		Recoverv			
Test Duratio	n:	5			
Test Level:		12.00			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	45025574			
Test Type:		Draw Down			
Test Duratio	n:	5			
Test Level:		16.26			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	45025569			
Test Type:		Draw Down			
Test Duratio	n:	10			
Test Level:		19.25			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	45025570			
Test Type:		Recoverv			
Test Duratio	n:	10			
Test Level:		9.00			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	45025571			
Test Type:	· · · · · ·	Draw Down			
Test Duratio	n:	15			
Test Level:		20.93			
Test Level U	ОМ:	m			
Pumn Test F	etail ID:	45025564			
Test Type		Recoverv			
Test Duratio	n:	15			
Test Level:		8.56			
Test Level U	ОМ:	m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test D	Detail ID:	45025586			
Test Type:		Draw Down			
Test Duratio	n:	20			
Test Level:		22.07			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025585			
Test Type:		Recovery			
Test Duratio	n:	20			
Test Level:		8.56			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025583			
Test Type:		Recovery			
Test Duratio	n:	25			
Test Level:		8.56			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025584			
Test Type:		Draw Down			
Test Duratio	n:	25			
Test Level:		22.76			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025582			
Test Type:		Recovery			
Test Duratio	n:	30			
Test Level:		8.56			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025578			
Test Type:		Draw Down			
Test Duratio	n:	30			
Test Level:		23.30			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025581			
Test Type:		Recovery			
Test Duratio	n:	40			
Test Level:		8.56			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025577			
Test Type:		Draw Down			
Test Duratio	n:	40			
Test Level:	~~~	23.93			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025576			
Test Type:		Draw Down			
Test Duratio	n:	50			
Test Level:		24.34			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025579			
Test Type:		Recovery			
Test Duratio	n:	50			
Test Level:		8.56			
Test Level U	OM:	m			
Pump Test D	Detail ID:	45025588			
Test Type:		Draw Down			
Test Duratio	n:	60			
Test Level:		24.72			
Test Level U	OM:	m			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test L	Detail ID:	45025580			
Test Type:		Recovery			
Test Duratio	n:	60			
Test Level:		8.56			
Test Level U	OM:	m			
<u>Water Detail</u>	<u>s</u>				
Water ID:		41147631			
Layer:		1			
Kind Code:					
Kind:					
Water Found	l Depth:	40.54			
Water Found	I Depth UOM:	m			
Hole Diamet	<u>er</u>				
Hole ID:		46001878			
Diameter:		15.23			
Depth From:		0.00			
Depth To:		43.28			
Hole Depth	JOM:	m			
Hole Diamet	er UOM:	cm			

<u>10</u>	1 of 1	NW/81.5	99.9 / 0.00	lot 4 con 4 Ottawa ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rei Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	Date: er Use: se: atus: rial: Method: : liability: rock: Bedrock: Level: ): :	7108150 Domestic Water Supply Z80771 A072299		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	7/15/2008 1 1119 7 1339 SOUTH BEACH OTTAWA-CARLETON OSGOODE TOWNSHIP 004 04	

## Bore Hole Information

Location Source Date: Improvement Location Source:

Bore Hole ID: DP2BR:	1001658004	Spatial Status: Cluster Kind:	
Code OB:		UTMRC:	3
Code OB Desc:		UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:		Location Method:	wwr
Elevation:	100.766052	Org CS:	UTM83
Elevrc:		Date Completed:	5/28/2008
Remarks:			
Elevrc Desc:			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Improvement Source Revis Supplier Com	Location Method: ion Comment: ment:					
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval					
Formation ID. Layer: Color: General Colo	r:	1001780808 1				
Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En Formation En	n Material: Ils: Ils: p Depth: Id Depth: Id Depth: Id Depth UOM:	28 SAND 11 GRAVEL 13 BOULDERS 0.00 13.41 m				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Other Materia	r: n Material: Is:	1001780809 2 2 GREY 15 LIMESTONE				
Mat3: Other Materia Formation To Formation En Formation En	ls: p Depth: d Depth: d Depth UOM:	13.41 47.24 m				
Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3:	r: n Material: Ils:	1001780810 3 2 GREY 18 SANDSTONE				
Other Materia Formation To Formation En Formation En	ıls: p Depth: Id Depth: Id Depth UOM:	47.24 54.86 m				
<u>Annular Spac</u> <u>Sealing Reco</u>	e/Abandonment_ rd					
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ом:	1001780812 1 15.23 12.19 m				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ОМ:	1001780813 2 12.19 0.00 m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: d Construction:	1001780845 5 Air Percussion			
<u>Pipe Informa</u>	tion				
Pipe ID: Casing No: Comment: Alt Name:		1001780806 0			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diam Casing Diam Casing Depth	r Material: eter: eter UOM: n UOM:	1001780816 1 STEEL 15.84 0.00 0.15 cm m			
<u>Construction</u>	Record - Screen				
Screen ID: Layer:		1001780817			

Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:

## Results of Well Yield Testing

Pump Test ID:	1001780807
Pump Set At:	30.47
Static Level:	6.93
Final Level After Pumping:	17.60
Recommended Pump Depth:	30.47
Pumping Rate:	91.00
Flowing Rate:	
Recommended Pump Rate:	91.00
Levels UOM:	m
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

#### Draw Down & Recovery

Pump Test Detail ID:

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration	:	1			
Test Level:		9.50			
Test Level UC	OM:	m			
Pump Test D	etail ID:	1001780819			
Test Type:		Recovery			
Test Duration	):	1			
Test Level:		12.85			
Test Level UC	DM:	m			
Pump Test D	etail ID:	1001780820			
Test Type:		Draw Down			
Test Duration	):	2			
Test Level:		11.00			
Test Level UC	OM:	m			
Pump Test D	etail ID:	1001780821			
Test Type:		Recovery			
Test Duration	1:	2			
Test Level:		8.96			
Test Level UC	DM:	m			
Pump Test D	etail ID:	1001780823			
Test Type:		Recovery			
Test Duration	n:	3			
Test Level:		6.93			
Test Level UC	DM:	m			
Pump Test D	etail ID:	1001780822			
Test Type:		Draw Down			
Test Duration	) <i>:</i>	3			
Test Level:		11.90			
Test Level UC	DM:	m			
Pump Test D	etail ID:	1001780824			
Test Type:		Draw Down			
Test Duration	):	4			
Test Level:		12.65			
Test Level UC	DM:	m			
Pump Test D	etail ID:	1001780825			
Test Type:		Recovery			
Test Duration	1:	4			
Test Level:		6.93			
Test Level UC	ОМ:	m			
Pump Test De	etail ID:	1001780826			
Test Type:		Draw Down			
Test Duration	:	5			
Test Level:		13.21			
Test Level UC	OM:	m			
Pump Test De	etail ID:	1001780827			
Test Type:		Recovery			
Test Duration	1:	5			
Test Level:		6.93			
Test Level UC	DM:	m			
Pump Test D	etail ID:	1001780829			
Test Type:		Recovery			
Test Duration	n:	10			
Test Level:		6.93			
Test Level UC	DM:	m			
Pump Toot D	otail ID:	1001780929			
rump rest D		1001700020			

	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
•	Test Type:		Draw Down			
	Test Duration	:	10			
	Test Level:		14.70			
	Test Level UC	DM:	m			
	Pump Test De	etail ID:	1001780831			
	Test Type:		Recovery			
	Test Duration	:	15			
	Test Level:	N#4	0.93 m			
	Test Level UC	////.	111			
	Pump Test De	etail ID:	1001780830			
	Test Type:		Draw Down			
	Test Duration	:	15			
	Test Level:	N##-	15.55			
	Test Level UC	)///:	m			
	Pump Test De	etail ID:	1001780832			
	Test Type:		Draw Down			
	Test Duration	:	20			
	Test Level:		16.03			
	Test Level UC	DIVI:	m			
	Pump Test De	etail ID:	1001780833			
	Test Type:		Recovery			
	Test Duration	:	20			
	Test Level:		6.93			
	Test Level UC	DM:	m			
	Pump Test De	etail ID:	1001780835			
	Test Type:		Recovery			
	Test Duration	:	25			
	Test Level:		6.93			
	Test Level UC	DM:	m			
	Pump Test De	etail ID:	1001780834			
	Test Type:		Draw Down			
	Test Duration	:	25			
	Test Level:		16.36			
	Test Level UC	DM:	m			
	Pump Test De	etail ID:	1001780837			
	Test Type:		Recovery			
	Test Duration	:	30			
	Test Level:		6.93			
	Test Level UC	DIVI:	m			
	Pump Test De	etail ID:	1001780836			
	Test Type:		Draw Down			
	Test Duration	:	30			
	Test Level:		16.60			
	Test Level UC	DM:	m			
	Pump Test De	etail ID:	1001780839			
	Test Type:		Recovery			
	Test Duration	:	40			
	Test Level:	N#4-	6.93			
	rest Level UC	)IVI:	m			
	Pump Test De	etail ID:	1001780838			
	Test Type:		Draw Down			
	Test Duration	:	40			
	Test Level:	Ŋ <i>Ŋ</i> ₽-	10.99 m			
	rest Level UC	/17/.	111			
	Pump Test De	etail ID:	1001780840			

Мар Кеу	Number Records	of G	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Type:		[	Draw Down				
Test Duration	n:	5	50				
Test Level:		1	7.34				
Test Level U	OM:	r	n				
Pump Test D	etail ID:	1	001780841				
Test Type:		F	Recovery				
Test Duration	n:	5	50				
Test Level:		6	5.93				
Test Level U	ОМ:	r	n				
Pump Test D	etail ID:	1	001780842				
Test Type:		[	Draw Down				
Test Duration	n:	6	50				
Test Level:	~~~	1	7.60				
Test Level U	OM:	r	n				
Pump Test D	etail ID:	1	001780843				
Test Type:		F	Recovery				
Test Duration	n:	6	50				
Test Level:	~~~	E	5.93				
Test Level U	OM:	r	n				
Water Details	5						
Water ID:		1	001780814				
Layer:		1					
Kind Code:		8	3				
Kind:		ι	Intested				
Water Found	Depth:	- 2	28.95				
Water Found	Depth UON	<i>ll:</i> r	n				
Water ID:		1	001780815				
Layer:		2	2				
Kind Code:		8	3				
Kind:		l	Intested				
Water Found	Depth:	- 5	52.42				
Water Found	Depth UON	<i>n:</i> r	n				
Hole Diamete	<u>er</u>						
Hole ID:		1	001780811				
Diameter:		1	5.50				
Depth From:		5	54.86				
Depth To:		C	0.00				
Hole Depth U	IOM:	r	n				
Hole Diamete	er UOM:	C	m				
<u>11</u>	1 of 1		NNW/84.5	99.9 / 0.00	lot 19 con 4 ON		wwis
Well ID.		1515832			Data Entry Status		
Construction	Date:	1010002			Data Src:	1	
Primary Wate	er Use:	Domestic			Date Received:	1/19/1977	
Sec. Water U	se:	0			Selected Flag:	1	
Final Well Sta	atus:	Water Sup	ply		Abandonment Rec:		
Water Type:		•			Contractor:	3644	
Casing Mater	rial:				Form Version:	1	
Audit No:					Owner:		
Tag:					Street Name:		
Construction	Method:				County:	OTTAWA-CARLETON	
Elevation (m)	): liahilitan				Municipality:	GOULBOURN TOWNSHIP	
Elevation Re	navility:				Site IIIO:		

Map Key Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	019 04 CON	
Bore Hole Information						
Bore Hole ID: DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location S Improvement Location I Source Revision Comme Supplier Comment:	10037772 12 r Bedrock 100.59394 Source: Method: ent:			Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	4 margin of error : 30 m - 100 m p4 11/18/1976	
<u>Overburden and Bedroc</u> <u>Materials Interval</u>	<u>k</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials:	9 1 2 2 2 3	931030348 2 GREY 28 SAND				
Formation Top Depth: Formation End Depth: Formation End Depth U	0 1 <b>DM:</b> f	0.00 2.00 t				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth U	2 2 1 L D <b>M:</b> f	231030349 2 GREY 5 IMESTONE 2.00 64.00				
<u>Method of Construction</u> <u>Use</u>	<u>&amp; Well</u>					
Method Construction ID Method Construction Co Method Construction:	: 9 ode: 5 /	961515832 5 Air Percussion				

Other Method Construction:

### Pipe Information

Pipe ID:	10586342
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID: Layer:	930066567 1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991515832
Pump Set At:	
Static Level:	0.00
Final Level After Pumping:	50.00
Recommended Pump Depth:	50.00
Pumping Rate:	6.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	Ν

#### Draw Down & Recovery

Pump Test Detail ID:	934101401
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID:	934378173
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID:	934639693
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID:	934897176
Test Type:	Draw Down

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Duration Test Level: Test Level UC	: DM:	60 50.00 ft				
<u>Water Details</u>						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933472011 1 FRESH 62.00 ft				
<u>12</u>	1 of 1	NW/88.2	99.9 / 0.00	lot 19 con 4 ON		WWIS
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Materi Audit No: Tag: Construction Elevation (m): Elevation Reli Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N) Flow Rate: Clear/Cloudy:	151611 Date: r Use: Domes: se: 0 ttus: Water S ial: Method: : ability: rock: Bedrock: .evel: :	9 tic Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 8/25/1977 1 3644 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 019 04 CON	
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Code OB: Code OB Des Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sour Improvement Improvement Source Revis Supplier Com	100380 15 r c: Bedroci 100.75 100.75 100.75 100.75 100.75 100.75 100.75 100.75 100.75 100.75 100.75	54 k 5569		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	4 margin of error : 30 m - 100 m p4 7/27/1977	
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval					
Formation ID: Layer: Color: General Color Mat1:	r:	931031209 1 2 GREY 28				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En Formation En	n Material: ls: p Depth: d Depth: d Depth UOM:	SAND 0.00 15.00 ft				
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation En Formation En	: n Material: ls: ls: p Depth: d Depth: d Depth UOM:	931031210 2 2 GREY 15 LIMESTONE 15.00 105.00 ft				
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	961516119 5 Air Percussion				
<u>Pipe Informat</u>	ion					
Pipe ID: Casing No: Comment: Alt Name:		10586624 1				
<b>Construction</b>	<u> Record - Casing</u>					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930066995 1 1 STEEL 25.00 6.00 inch ft				
<u>Results of We</u>	II Yield Testing					
Pump Test ID Pump Set At: Static Level: Final Level At Recommende Flowing Rate: Recommende Levels UOM: Rate UOM:	: ter Pumping: d Pump Depth: :: d Pump Rate:	991516119 6.00 25.00 25.00 20.00 10.00 ft GPM				

Мар Кеу	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water State Aft Water State Aft Pumping Test Pumping Durat Pumping Durat Flowing:	ter Test Co ter Test: Method: tion HR: tion MIN:	ode:	2 CLOUDY 1 1 0 N				
<u>Draw Down &amp; I</u>	<u>Recovery</u>						
Pump Test Det Test Type: Test Duration: Test Level: Test Level UOI	tail ID: M:		934101661 Draw Down 15 25.00 ft				
Pump Test Det Test Type: Test Duration: Test Level: Test Level UOI	tail ID: M:		934379272 Draw Down 30 25.00 ft				
Pump Test Det Test Type: Test Duration: Test Level: Test Level UOI	tail ID: M:		934640786 Draw Down 45 25.00 ft				
Pump Test Det Test Type: Test Duration: Test Level: Test Level UOI	tail ID: M:		934898270 Draw Down 60 25.00 ft				
Water Details							
Water ID: Layer: Kind Code: Kind: Water Found D Water Found D	Depth: Depth UOM	1:	933472358 1 1 FRESH 102.00 ft				
<u>13</u> 1	1 of 1		NNW/88.3	99.9 / 0.00	lot 7 con 8 MUNSTER ON		wwis
Well ID: Construction D Primary Water Sec. Water Use Final Well Statt Water Type: Casing Materia Audit No: Tag: Construction M Elevation (m): Elevation Relia Depth to Bedro Well Depth: Overburden/Be Pump Rate: Static Water Le Flowing (Y/N):	Date: Use: e: aus: al: Method: ability: ock: edrock: evel:	1534476 Domestic Water Su 204839 A004896	pply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:	2/6/2004 1 1119 3 #23 KOLO DRIVE OTTAWA-CARLETON GOULBOURN TOWNSHIP 007 08 CON	

Static Water Level: Flowing (Y/N):

	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
-	Flow Rate: Clear/Cloudy:				UTM Reliability:		
	Bore Hole Info	rmation					
	Bore Hole ID: DP2BR: Code OB: Code OB Desc Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sour Improvement Improvement Source Revisi Supplier Com	11104751 6 r Bedrock 100.737953 ce Date: Location Source: Location Method: on Comment: ment:	3		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	5 margin of error : 100 m - 300 m wwr UTM83 12/22/2003	
	<u>Overburden al</u> <u>Materials Inter</u>	nd Bedrock_ val					
	Formation ID: Layer: Color: General Color Mat1: Most Commor Mat2: Other Material Mat3: Other Material	9 1 8 0 <i>Material:</i> T 0 5: F 5:	932954869 BLACK 92 TOPSOIL 91 FILL				
	Formation Top Formation End Formation End	Depth: 0 Depth: 1 Depth UOM: n	.00 .83 n				
	Formation ID: Layer: Color: General Color Mat1: Most Commor Mat2: Other Material Mat3: Other Material Formation Top Formation End Formation End	9 22 22 1 1 1 1 1 5 5 5 5 5 7 7 7 7 7 7 7 7 7 7	032954870 GREY 5 IMESTONE 8 SANDSTONE .83 .4.86 n				
	<u>Annular Space</u> <u>Sealing Recor</u>	e/Abandonment_ d					
	Plug ID:	g	33248397				

Plug ID:	93324839
Layer:	1
Plug From:	6.10
Plug To:	0.00
Plug Depth UOM:	m

# Method of Construction & Well Use

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961534476 5 Air Percussion			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		11109103 1			
<b>Construction</b>	<u>Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	Material: eter: eter UOM: 0 UOM:	930837223 1 STEEL 0.00 6.70 15.88 cm m			
Results of We	ell Yield Testing				
Pump Test ID Pump Set At: Static Level: Final Level A Recommende Pumping Rate Flowing Rate Recommende Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	: fter Pumping: ed Pump Depth: e: ed Pump Rate: fter Test Code: fter Test: t Method: ation HR: ation MIN:	11117309 3.80 43.00 30.50 75.70 189.30 m LPM 1 CLEAR 1 1			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U(	etail ID: : DM:	11121648 Draw Down 0 3.80 m			
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: : DM:	11121649 Recovery 0 4.30 m			
Pump Test D Test Type: Test Duration Test Level:	etail ID: :	11121650 Draw Down 1 4.00			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	D	)B
Test Level U	OM:	m				
Pump Test D	etail ID:	11121663				
Test Type:		Recovery				
Test Duration	1:	1				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121651				
Test Type:		Draw Down				
Test Duration	ו:	2				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121664				
Test Type:		Recoverv				
Test Duration	ו:	2				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121652				
Test Type:		Draw Down				
Test Duration	n:	3				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121665				
Test Type:		Recoverv				
Test Duration	ı:	3				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121666				
Test Type:		Recoverv				
Test Duration	1:	4				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121653				
Test Type:		Draw Down				
Test Duration	1:	4				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121654				
Test Type:		Draw Down				
Test Duration	ו:	5				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121667				
Test Type:		Recovery				
Test Duration	1:	5				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121668				
Test Type:		Recovery				
Test Duration	n:	10				
Test Level:		4.10				
Test Level U	ОМ:	m				
Pump Test D	etail ID:	11121655				
Test Type:		Draw Down				
Test Duration	1:	10				
Test Level:		4.10				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level U	OM:	m			
Pump Test D	etail ID:	11121669			
Test Type:		Recovery			
Test Duration	1:	15			
Test Level:		4.00			
Test Level U	OM:	m			
Pump Test D	etail ID:	11121656			
Test Type:		Draw Down			
Test Duration	ı:	15			
Test Level:		4.20			
Test Level U	OM:	m			
Pump Test D	etail ID:	11121657			
Test Type:		Draw Down			
Test Duration	1:	20			
Test Level:		4.20			
Test Level U	OM:	m			
Pump Test D	etail ID:	11121670			
Test Type:		Recovery			
Test Duration	1:	20			
Test Level:		4.00			
Test Level U	OM:	m			
Pump Test D	etail ID:	11121671			
Test Type:		Recovery			
Test Duration	ı:	25			
Test Level:		4.00			
Test Level U	OM:	m			
Pump Test D	etail ID:	11121658			
Test Type:		Draw Down			
Test Duration	ı:	25			
Test Level:		4.20			
Test Level U	OM:	m			
Pump Test D	etail ID:	11121778			
Test Type:		Recoverv			
Test Duration	1:	30			
Test Level:		4.00			
Test Level U	OM:	m			
Pumn Test N	etail ID <sup>.</sup>	11121659			
Test Type:		Draw Down			
Test Duration	ı:	30			
Test Level:		4.30			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	11121779			
Test Type:		Recovery			
Test Duration	1:	40			
Test Level:		4.00			
Test Level U	ОМ:	m			
Pumn Test N	etail ID <sup>.</sup>	11121660			
Test Type		Draw Down			
Test Duration	ı:	40			
Test Level:		4.30			
Test Level U	ОМ:	m			
Pumn Toet N	etail ID <sup>.</sup>	11121661			
Test Type		Draw Down			
Test Duration	ı.	50			
Test Level:		4.30			

Мар Кеу	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level U	ОМ:	m				
Pump Test D Test Type: Test Duration Test Level: Test Level U	Petail ID: n: OM:	11121780 Recovery 50 4.00 m				
Pump Test D Test Type: Test Duration Test Level: Test Level U Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: OM: Detail ID: n: OM:	11121781 Recovery 60 4.00 m 11121662 Draw Down 60 4.30 m				
Water Details	<u>5</u>					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: I Depth UON	934046254 1 5 Not stated 52.70 r: m				
Hole Diamete	<u>er</u>					
Hole ID: Diameter: Depth From: Depth To: Hole Depth L Hole Diamete	IOM: er UOM:	11109102 15.24 0.00 54.86 m cm				
<u>14</u>	1 of 1	NNW/92.9	99.9 / 0.00	6659 Franktown Rd Ottawa ON K0A2Z0		EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code Report Type: Report Date: Report Requ Nearest Inter Previous Site Additional In	ested by: rsection: a Name: fo Ordered:	545259 20171110157 77170 97 C 3CAN Standard Report 17-NOV-17 exp Services Inc.		Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	10-NOV-17 ON .25 .35 -75.864803 45.178682	
<u>15</u>	1 of 1	NNW/100.9	99.9 / 0.00	lot 20 con 4 ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well St	n Date: er Use: Ise: atus:	1502428 Domestic 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1 12/21/1949 1	

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Order No: 20180522066

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy.	ial: Method: : iability: rock: Sedrock: Level: ): :			Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	4824 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 020 04 CON	
<u>Bore Hole Inf</u> Bore Hole ID: DP2BR: Code OB:	r <u>ormation</u> • 10024471 30 r			Spatial Status: Cluster Kind: UTMRC:	9	
Code OB Des Open Hole: Elevation: Elevro:	ec: Bedrock 100.50661	4		UTMRC Desc: Location Method: Org CS: Date Completed:	unknown UTM p9 6/16/19/8	
Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Corr	rce Date: Location Source: Location Method: ion Comment: nment:					
<u>Overburden a</u> Materials Inte	and Bedrock erval					
Formation ID. Layer: Color: General Colo	: r:	930994491 1				
Mat1: Most Commo Mat2: Other Materia Mat3:	n Material: nls:	11 GRAVEL				
Other Materia Formation To Formation En Formation En	als: op Depth: ad Depth: ad Depth UOM:	0.00 30.00 ft				
Formation ID. Layer: Color: General Colo	: r:	930994492 2				
Mat1: Most Commo Mat2: Other Materia Mat3:	n Material: Ns:	15 LIMESTONE				
Other Materia Formation To Formation En Formation En	als: op Depth: ad Depth: ad Depth UOM:	30.00 60.00 ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	truction ID:	961502428			
Method Cons	truction Code:	1			
Method Cons	struction:	Cable Tool			
	Construction.				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		10573041			
Casing No: Comment:		I			
Alt Name:					
<u>Construction</u>	Record - Casing				
Casing ID:		930041711			
Layer: Motoriali		1			
Open Hole or	· Material:	STEEL			
Depth From:		-			
Depth To:	- 4	30.00			
Casing Diam	eter: eter UOM:	4.00 inch			
Casing Depth	UOM:	ft			
Casing ID:		930041712			
Layer: Matorial:		2			
Open Hole or	Material:	OPEN HOLE			
Depth From:					
Depth To:	otor.	60.00			
Casing Diam	eter UOM:	inch			
Casing Depth	n UOM:	ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test ID	):	991502428			
Pump Set At:		15.00			
Final Level A	fter Pumpina:	13.00			
Recommende	ed Pump Depth:				
Pumping Rat	e:				
Recommende	ed Pump Rate:	3.00			
Levels UOM:	· · · · ·	ft			
Rate UOM:	After Test Code:	GPM 1			
Water State A	After Test:	CLEAR			
Pumping Tes	t Method:	1			
Pumping Dur	ation HR:	1			
Flowing:		N			
Water Details	1				
Water ID:		933455212			
Layer:		1			
Kind Code: Kind		1 FRESH			
inina.		TREON			

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water Found Water Found	l Depth: I Depth UOM	1:	60.00 ft				
<u>16</u>	1 of 1		N/121.9	99.9 / 0.00	lot 20 con 4 ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m) Elevation (m)	n Date: er Use: lse: atus: rial: n Method: liability: liability: frock: Bedrock: Level: l):	1502429 Domestic 0 Water St	c Jpply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 10/6/1958 1 1301 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 020 04 CON	
Bore Hole Im Bore Hole ID DP2BR: Code OB: Code OB De: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Sou Improvemen Improvemen Source Revis Supplier Cor	formation : sc: urce Date: t Location S t Location M sion Comme nment:	1002447 9 r Bedrock 100.5246 Gource: fethod: ent:	2 65		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	5 margin of error : 100 m - 300 m p5 7/28/1958	
<u>Overburden</u> Materials Inte	and Bedroci erval	<u>k</u>					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation Ed Formation ID Layer:	): or: on Material: als: als: op Depth: nd Depth: nd Depth UC ):	DM:	930994493 1 05 CLAY 0.00 9.00 ft 930994494 2				

Map Key N F	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color: General Color: Mat1: Most Common M Mat2: Other Materials: Mat3:	Material:	15 LIMESTONE			
Other Materials: Formation Top I Formation End I Formation End I	Depth: Depth: Depth UOM:	9.00 91.00 ft			
<u>Method of Cons</u> <u>Use</u>	truction & Well				
Method Constru Method Constru Method Constru Other Method Co	ction ID: ction Code: ction: onstruction:	961502429 1 Cable Tool			
Pipe Information	<u>1</u>				
Pipe ID: Casing No: Comment: Alt Name:		10573042 1			
Construction Re	ecord - Casing				
Casing ID: Layer: Material: Open Hole or Ma Depth From: Depth To: Casing Diamete Casing Diamete Casing Depth U	aterial: r: r UOM: OM:	930041713 1 STEEL 9.00 2.00 inch ft			
Casing ID: Layer: Material: Open Hole or Ma Depth From: Depth To: Casing Diameter Casing Diameter Casing Depth U	aterial: r: r UOM: OM:	930041714 2 4 OPEN HOLE 91.00 2.00 inch ft			
Results of Well	Yield Testing				
Pump Test ID: Pump Set At: Static Level: Final Level After Recommended Pumping Rate:	r Pumping: Pump Depth:	991502429 100.00			
Flowing Rate: Recommended I Levels UOM: Rate UOM: Water State Afte	Pump Rate: er Test Code:	ft GPM 1			

Мар Кеу	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State Aft Pumping Test Pumping Durat Pumping Durat Flowing:	ter Test: Method: tion HR: tion MIN:		CLEAR 1 Y			
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found D Water Found D	Depth: Depth UOM	I:	933455213 1 1 FRESH 91.00 ft			
<u>17</u> 1	1 of 1		N/148.7	99.9 / 0.00	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accur Elev. Reliability Total Depth m: Total Depth m: Township:: Lot:: Completion Da Primary Water	racy:: y Note:: :: nte:: Use::	610285 432251 -999			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5003282 99.1 100 -999.9
<u>Details</u> Stratum ID: Bottom Depth( Stratum ID: Bottom Depth(	′m): ′m):	21838517 2.7 21838517	76 77		Top Depth(m): Stratum Desc: Top Depth(m): Stratum Desc:	0.0 CLAY. 2.7 BEDROCK,LIMESTONE. 025E. 0000060. GREY. 00064STONE. TILL. BROWN,DENSE.
						000
<u>18</u> 1	1 of 1		WSW/152.4	99.9 / 0.00	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accu Elev. Reliability Total Depth m: Township:: Lot:: Completion Da Primary Water	racy:: y Note:: :: tte:: Use::	610270 432031 -999			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5002602 100 100
<u>Details</u> Stratum ID: Bottom Depth(	(m):	21838514 0.6	11		Top Depth(m): Stratum Desc:	0.0 CLAY.
Stratum ID: Bottom Depth(	(m):	21838514 7.9	2		Top Depth(m): Stratum Desc:	0.6 SAND.

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Map Key	Number Record	r of Direction/ s Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depti	h(m):	218385143		Top Depth(m): Stratum Desc:	7.9 BEDROCK,LIMESTONE. WATER STABLE AT 305.0 FEET.,LIMESTONE. 099 SEISMIC VELOCITY = 17000.
<u>19</u>	1 of 1	N/154.0	99.9 / 0.00	ON	BORE
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabil Total Depth n Township:: Lot:: Completion I Primary Wate	: Suracy:: lity Note:: n:: Date:: Pate:: Pr Use::	610282 432321 -999		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5003222 99.1 100 -999.9
<u>Details</u> Stratum ID: Bottom Depti Stratum ID: Bottom Depti	h(m): h(m):	218385170 2.4 218385171		Top Depth(m): Stratum Desc: Top Depth(m): Stratum Desc:	0.0 SILT,CLAY. 2.4 BEDROCK,SANDSTONE. 0010000060. GREY. 00064STONE. TILL. BROWN,DENSE. 00040035
<u>20</u>	1 of 1	N/167.6	99.9 / 0.00	lot 20 con 4 RICHMOND ON	WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water Flowing (Y/N, Flow Rate: Clear/Cloudy	a Date: er Use: lse: atus: rial: n Method: ): liability: lrock: Bedrock: Level: ):	7145846 Domestic Water Supply Z108249 A095968		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	6/1/2010 1 1119 7 6619 FRANKTOWN RD. OTTAWA-CARLETON GOULBOURN TOWNSHIP 020 04 CON
<u>Bore Hole Inf</u> Bore Hole ID: DP2BR: Code OB: Code OB Des Open Hole:	formation : sc:	1002987488		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method:	4 margin of error : 30 m - 100 m wwr
Elevation:		100.107353		Org CS:	UTM83

Order No: 20180522066

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:			Date Completed:	3/19/2010	
Overburden and Bedrock Materials Interval					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	1003083642 1 6 BROWN 28 SAND				
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.00 22.00 ft				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	1003083643 2 GREY 15 LIMESTONE 22.00				
Formation End Depth: Formation End Depth UOM: Formation ID:	172.00 ft 1003083644				
Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials:	3 2 GREY 18 SANDSTONE				
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	172.00 236.00 ft				
Sealing Record Plug ID: Layer:	1003083646 1				
Plug From: Plug To: Plug Depth UOM:	28.00 0.00 ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Co</u> Use	onstruction & Well				
Method Cons	struction ID:	1003083679			
Method Cons	struction Code:	5			
Method Cons	struction:	Air Percussion			
Other Method	a Construction:				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		1003083640			
Casing No: Comment: Alt Name:		0			
<b>Construction</b>	Record - Casing				
Casing ID:		1003083649			
Layer: Matorial:		1			
Open Hole of	r Material:	STEEL			
Depth From:		-2.00			
Depth To:	otor:	28.00			
Casing Diam	eter UOM:	inch			
Casing Deptl	h UOM:	ft			
Casing ID:		1003083650			
Layer: Motorial:		2			
Open Hole of	r Material:	4 OPEN HOLE			
Depth From:		28.00			
Depth To:	- 4	236.00			
Casing Diam Casing Diam	eter: eter UOM <sup>.</sup>	6.00 inch			
Casing Dept	h UOM:	ft			
<u>Construction</u>	Record - Screen				
Screen ID:		1003083651			
Layer:					
SIOT: Screen Top I	Depth:				
Screen End I	Depth:				
Screen Mater	rial:	6			
Screen Depti Screen Diam	n UOM: eter UOM:	ft inch			
Screen Diam	eter:				
<u>Results of W</u>	ell Yield Testing				
Pump Test IL	D:	1003083641			
Pump Set At	:	160.00			
Static Level: Final Level A	fter Pumpina:	6.70			
Recommend	ed Pump Depth:	100.00			
Pumping Rat	te:	20.00			
Flowing Rate	ed Pump Rate:	20.00			
Levels UOM:	eu rump nale.	£0.00 ft			
Rate UOM:		GPM			
Water State A	After Test Code:	3			
71	erisinfo.com   Env	ironmental Risk Info	ormation Service	S	Order No: 20180522066

	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
-	Water State A	fter Test:	OTHER			
	Pumping Tes	t Method:	0			
	Pumping Dur	ation HR:	1			
	Pumping Dur	ation MIN:	0			
	Flowing:					
	<u>Draw Down &amp;</u>	Recovery				
	Pump Test De	etail ID:	1003083653			
	Test Type:		Recovery			
	Test Duration	:	1			
	Test Level:	N#.	6.60 ft			
	Test Level UC		п			
	Pump Test De	etail ID:	1003083652			
	Test Type:		Draw Down			
	Test Duration	:	1			
	Test Level:		6.70			
	Test Level UC	DM:	ft			
	Pumn Tost Da	etail ID:	1003083655			
	Test Type:	an ib.	Recoverv			
	Test Duration	:	2			
	Test Level:		6.60			
	Test Level UC	DM:	ft			
	Pump Tost De	atail ID:	1003083654			
	Test Type:	itan ib.	Draw Down			
	Test Duration	:	2			
	Test Level:		6.70			
	Test Level UC	DM:	ft			
	Pump Tost De	atail ID:	1003083656			
	Test Type:	an ib.	Draw Down			
	Test Duration	:	3			
	Test Level:		6.70			
	Test Level UC	DM:	ft			
	Pump Test De	atail ID:	1003083657			
	Test Type:		Recovery			
	Test Duration	:	3			
	Test Level:		6.60			
	Test Level UC	DM:	ft			
	Pump Toot D		1002082650			
	Test Type	stall ID.	Recovery			
	Test Duration	:	4			
	Test Level:		6.60			
	Test Level UC	ОМ:	ft			
	Dumm Track D		1002002650			
	rump Test De	etall ID:	TUU3U83658 Draw Down			
	Test Duration	:	4			
	Test Level:	-	6.70			
	Test Level UC	ОМ:	ft			
	Dum Toto		1002002664			
	Test Type:	etall ID:	IUUSU83001 Recovery			
	Test Duration	:	5			
	Test Level:	-	6.60			
	Test Level UC	ОМ:	ft			
			400000000			
	rump lest De	etali ID:	1003083660 Draw Down			
	Test Type:	. <b>-</b>	5			
		-	~			
Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
-----------------------------	-----------------------	----------------------------	------------------	------	----	
Test Level:		6.70				
Test Level U	ОМ:	ft				
		400000000				
Pump Test D	etail ID:	1003083663				
Test Type:		Recovery				
Test Duration	n:	10 6 60				
Test Level II	ОM·	ft				
Pump Test D	etail ID:	1003083662				
Test Type:		Draw Down				
Test Duration	n:	10				
Test Level:		6.70				
Test Level U	OM:	π				
Pumn Test D	etail ID:	1003083665				
Test Type:		Recovery				
Test Duration	n:	15				
Test Level:		6.60				
Test Level U	OM:	ft				
		1002002664				
Pump Test D	etali ID:	1003083664 Drow Down				
Test Type.	n·	15				
Test Level		6.70				
Test Level U	OM:	ft				
Pump Test D	etail ID:	1003083667				
Test Type:		Recovery				
Test Duration	n:	20				
Test Level:	~~~	6.60				
Test Level U	OM:	π				
Pump Test D	etail ID <sup>.</sup>	1003083666				
Test Type:		Draw Down				
Test Duration	n:	20				
Test Level:		6.70				
Test Level U	ОМ:	ft				
		400000000				
Pump Test D	etail ID:	1003083668 Drow Down				
Test Type: Tost Duration	n.	25				
Test Level	1.	670				
Test Level U	OM:	ft				
Pump Test D	etail ID:	1003083669				
Test Type:		Recovery				
Test Duration	n:	25				
Test Level:		6.60				
Test Level U	OM:	π				
Pumn Test D	etail ID:	1003083671				
Test Type:	ciun ib.	Recovery				
Test Duration	n:	30				
Test Level:		6.60				
Test Level U	ОМ:	ft				
D		400000070				
Pump Test D	etall ID:	1003083670				
Test Type:	n.	Draw Down				
Test Duration	1.	6 70				
Test Level II	ОМ:	ft				
Pump Test D	etail ID:	1003083672				
Test Type:		Draw Down				
Test Duration	n:	40				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		6 70			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	1003083673			
Test Type:		Recovery			
Test Duration	n:	40			
Test Level:		6.60			
Test Level U	OM:	ft			
Pump Test D	etail ID:	1003083675			
Test Type:		Recovery			
Test Duration	n:	50			
Test Level:	<b>0</b> <i>W</i> .	6.60			
Test Level U		п			
Pump Test D	etail ID:	1003083674			
Test Type:	_	Draw Down			
Test Duration	n:	50			
Test Level.	OM-	0.70 ft			
	0m.	100000070			
Pump Test D	etail ID:	1003083676			
Test Type:		Draw Down			
Test Duration	1.	6 70			
Test Level II	о <i>м</i> -	ft			
Dump Toot D		1002082677			
Test Type:	elan ID.	Recovery			
Test Duration	n:	60			
Test Level:		6.60			
Test Level U	ОМ:	ft			
Water Details	<u>5</u>				
Water ID:		1003083647			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found	Depth:	227.00			
water Found	Depth UOM:	п			
Water ID:		1003083648			
Layer:		2			
Kina Coae:		8 Unterstand			
Kina: Water Found	Donth	229.00			
Water Found	Depth UOM	223.00 ft			
mater i ouna		it.			
Hole Diamete	<u>er</u>				
Hole ID.		1003083645			
Diameter		6.00			
Depth From:		0.00			
Depth To:		236.00			
Hole Depth L	IOM:	ft			
Hole Diamete	er UOM:	inch			
21	1 of 1	ESE/180.0	99.9 / 0.00	lot 20 con 3 RICHMOND ON	wwis
14/2 // 10	70 1	0007		Data 5-1-1-21	
Well ID:	/04	0907		Data Entry Status:	
Construction	Date.			Dala SIC:	

Map Key Nur Rec	nber of cords	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Primary Water Use. Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Methe Elevation (m): Elevation Reliability Depth to Bedrock: Well Depth: Overburden/Bedroo Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	Domestic Water Sup Z55592 A052476 od: y:	oply		Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	2/12/2007 1 11119 3 635 PINESTRAND CR. OTTAWA-CARLETON GOULBOURN TOWNSHIP PLAN 4M-1252 S/L 6 020 03 CON	
<u>Bore Hole Informat</u> Bore Hole ID:	<u>ion</u> 11763343	1		Spatial Status:		
DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Da Improvement Locat Improvement Locat Source Revision Co Supplier Comment.	11 r Bedrock 98.34941 ate: tion Source: tion Method: omment:	1		Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	3 margin of error : 10 - 30 m wwr UTM83 12/24/2006	
<u>Overburden and Be</u> <u>Materials Interval</u>	edrock					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mata Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mata Mat2: Other Materials:	erial: oth: oth: oth UOM: erial:	933092119 1 28 SAND 13 BOULDERS 0.00 3.35 m 933092120 2 2 GREY 15 LIMESTONE				
Mat3: Other Materials: Formation Top Dep	th:	3.35				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Er Formation Er	nd Depth: nd Depth UOM:	18.59 m			
<u>Annular Spaces Sealing Reco</u>	ce/Abandonment ord				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	IOM:	933314171 1 6.10 3.05 m			
Plug ID: Layer: Plug From: Plug To: Plug Depth U	IOM:	933314172 2 3.05 0.00 m			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	967040907 5 Air Percussion			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		11771033 1			
<b>Construction</b>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	• Material: eter: eter UOM: • UOM:	930896016 1 STEEL 0.00 6.71 15.88 cm m			
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	• Material: eter: eter UOM: n UOM:	930896017 2 4 OPEN HOLE 6.10 18.59 cm m			
Results of W	ell Yield Testing				
Pump Test IL Pump Set At: Static Level: Final Level A Recommende	): fter Pumping: ed Pump Depth:	11777335 15.24 0.86 1.86 15.24			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rat	e:	91.00			
Recommend	ed Pump Rate:	91.00			
Levels UOM:	•	m			
Rate UOM:		LPM			
Water State A	After Test Code:	2			
Water State A	After Test:	CLOUDY			
Pumping Tes	t Method:	1			
Pumping Du	ration HR:	1			
Pumping Dui Flowing:	ration MIN:	0			
<u>Draw Down &amp;</u>	Recovery				
Pump Test D	etail ID:	11819559			
Test Type:		Recovery			
Test Duration	1:	1			
Test Level:		1.34			
Test Level U	OM:	m			
Pumn Test D	etail ID:	11819558			
Test Type:		Draw Down			
Test Duration	1:	1			
Test Level:		1.33			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	11819561			
Test Type:		Recovery			
Test Duration	1:	2			
Test Level:	~~~	1.21			
Test Level U	OM:	m			
Pump Test D	etail ID:	11819560			
Test Type:		Draw Down			
Test Duration	1:	2			
Test Level:		1.47			
Test Level U	ОМ:	m			
Pumn Test D	etail ID:	11819563			
Test Type:		Recoverv			
Test Duration	n:	3			
Test Level:		1.13			
Test Level U	ОМ:	m			
Dumm Toot D		11010560			
Tost Typo:	etali ID:	Draw Down			
Test Type.	<b>.</b> .	3			
Test Level:		1.52			
Test Level U	ОМ:	m			
D		44040504			
Pump Test D	etali ID:	11019304 Draw Down			
Test Type.	<b></b>				
Test Level		1 58			
Test Level U	ОМ:	m			
Bump Toot D	otail ID:	11810565			
Test Type		Recovery			
Test Duration	<b>.</b> .	4			
Test Level		1.09			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	11819567			
Test Type:		Recovery			
i est Duration	1.	C			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		1.06			
Test Level U	ОМ:	m			
		11010500			
Pump Test D	etail ID:	11819566 Drow Down			
Test Type: Tost Duration	n.	5			
Test Duration	1:	0 1.60			
Test Level.U	ОМ·	m.			
	•				
Pump Test D	etail ID:	11819954			
Test Type:		Recovery			
Test Duration	n:	10			
Test Level:	<u>ом</u> .	0.97			
Test Level U	OM:	111			
Pump Test D	etail ID:	11819568			
Test Type:		Draw Down			
Test Duration	n:	10			
Test Level:		1.70			
Test Level U	OM:	m			
Pump Test D	letail ID:	11819955			
Test Type:	ciun ib.	Draw Down			
Test Duration	n:	15			
Test Level:		1.74			
Test Level U	OM:	m			
Pumn Test D	etail ID:	11819956			
Test Type:	ciun ib.	Recoverv			
Test Duration	n:	15			
Test Level:		0.90			
Test Level U	ОМ:	m			
Bump Toot D		11910057			
Test Type		Draw Down			
Test Duratio	n:	20			
Test Level:		1.78			
Test Level U	ОМ:	m			
Dumm To of D		11010050			
Pump Test D	etali ID:	Draw Down			
Test Type.	n•	25			
Test Level:		1.79			
Test Level U	ОМ:	m			
Pump Test D	etail ID:	11819959			
Test Type:		Draw Down			
Test Duration	1:	1.80			
Test Level U	ОМ:	m			
	-				
Pump Test D	etail ID:	11819960			
Test Type:		Draw Down			
Test Duration	n:	40			
Test Level U	OM:	n.00			
Pump Test D	etail ID:	11819961			
Test Type:		Draw Down			
Test Duration	n:	50			
Test Level:	OM-	1.00 m			
Test Level U		111			
Pump Test D	etail ID:	11819962			
Test Type:		Draw Down			
Test Duration	n:	60			

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level: Test Level U	ОМ:		1.86 m				
Water Details	5						
Water ID: Layer: Kind Code: Kind:			934084179 1				
Water Found Water Found	l Depth: l Depth UON	1:	8.53 m				
Water ID: Layer: Kind Code: Kind:			934084180 2				
Water Found Water Found	l Depth: l Depth UON	1:	11.58 m				
Water ID: Layer: Kind Code:			934084181 3				
Water Found Water Found	l Depth: l Depth UON	1:	15.85 m				
Hole Diamete	<u>er</u>						
Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	IOM: er UOM:		11849518 14.91 0.00 18.59 m cm				
<u>22</u>	1 of 2		WSW/193.6	99.9/0.00	ON		BORE
Borehole ID: Use: Drill Method		610268			Type: Status:: UTM Zone::	Borehole	
Easting:: Location Acc Elev. Reliabil	curacy:: lity Note:: m::	432011 18.3			Orm Zone Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name::	5002562 100 100	
Township:: Lot:: Completion I	Date::	JAN-196	52		Concession:: Municipality: Static Water Level::	3	

Primary Water Use:: Sec. Water Use:: --Details--Stratum ID: 218385138 Top Depth(m): 0.0 Stratum Desc: Bottom Depth(m): 0.6 CLAY. Stratum ID: 218385139 Top Depth(m): 0.6 SAND. Stratum Desc: Bottom Depth(m): 7.9 Stratum ID: 218385140 Top Depth(m): 7.9 Stratum Desc: LIMESTONE. GREY. 00060AT 320.0 Bottom Depth(m): 18.3 FEET..K,LIMESTONE. 099 SEISMIC VELOCITY = 17000.

Map Key Numbe Record	er of Direction/ Is Distance (m)	Elev/Diff (m)	Site		DB
22 2 of 2	WSW/193.6	99.9 / 0.00	lot 19 con 3 ON		WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 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:	1502408 Livestock Domestic Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 1/16/1962 1 1301 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 019 03 CON	
Bore Hole Information Bore Hole ID: DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Improvement Location Source Revision Comm Supplier Comment:	10024451 26 r Bedrock 100.38356 Source: Method: ment:		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	5 margin of error : 100 m - 300 m p5 1/10/1962	
<u>Overburden and Bedro Materials Interval</u>	ock_				
Formation ID: Layer: Color: General Color: Mat1: Most Common Materia Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth 0 Formation ID: Layer: Color: General Color: Mat1:	930994446 1 05 CLAY 0.00 2.00 ft 930994447 2 09				

	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE	}
-	Most Common Mat2: Other Material	n Material: 's:	MEDIUM SAND				
	Mat3: Other Material	le-					
	Formation Top	o Depth:	2.00				
	Formation End	d Depth:	26.00				
	Formation End	d Depth UOM:	ft				
	Formation ID:		930994448				
	Layer:		3				
	Color:		2				
	General Color Mat1:	:	GRET 15				
	Most Common	n Material:	LIMESTONE				
	Mat2:						
	Other Material	ls:					
	Other Material	s:					
	Formation Top	Depth:	26.00				
	Formation En	d Depth:	60.00				
	Formation End	d Depth UOM:	π				
	<u>Method of Cor</u> <u>Use</u>	nstruction & Well					
	Mathed Canad	weation ID:	061502408				
	Method Const Method Const	ruction ID: ruction Code:	901502408				
	Method Const	ruction:	Cable Tool				
	Other Method	Construction:					
	Pino Informati	on					
	<u>ripe mornati</u>	<u>on</u>					
	Pipe ID:		10573021				
	Casing No:		1				
	Alt Name:						
	Construction	Record - Casing					
	Casing ID:		930041671				
	Layer:		1				
	Material: Open Hole or	Matorial	1 STEEL				
	Depth From:		J				
	Depth To:		28.00				
	Casing Diame	ter:	5.00				
	Casing Diame Casing Depth	UOM:	ft				
	Casing ID:		930041672				
	Layer: Material		∠ 4				
	Open Hole or	Material:	OPEN HOLE				
	Depth From:						
	Depth To:	1	60.00				
	Casing Diame	ter: ter UOM·	5.00 inch				
	Casing Dialite	UOM:	ft				
	J						

# Results of Well Yield Testing

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test II	D:	991502408			
Pump Set At	:				
Static Level:		8.00			
Final Level A	fter Pumping:	10.00			
Recommend	ed Pump Depth:	20.00			
Pumping Ra	te:	8.00			
Flowing Rate	ə:				
Recommend	ed Pump Rate:	10.00			
Levels UOM		ft			
Rate UOM:		GPM			
Water State	After Test Code:	2			
Water State	After Test:	CLOUDY			
Pumping Tes	st Method:	1			
Pumping Du	ration HR:	1			
Pumping Du	ration MIN:	0			
Flowing:		Ν			
Water Detail	<u>S</u>				
Water ID:		933455191			

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.00
Water Found Depth UOM:	ft
···· · · · · · · · · · · · · · · · · ·	

<u>23</u>	1 of 1	W/213.9	99.9 / 0.00	lot 18 con 3 ON		WWIS
Well ID:		1523647		Data Entry Status:		
Constructio	n Date:			Data Src:	1	
Primary Wa	ter Use:	Domestic		Date Received:	8/4/1989	
Sec. Water	Use:			Selected Flag:	1	
Final Well S	tatus:	Water Supply		Abandonment Rec:		
Water Type				Contractor:	3644	
Casing Mate	erial:			Form Version:	1	
Audit No:		49922		Owner:		
Taq:				Street Name:		
Constructio	n Method:			County:	OTTAWA-CARLETON	
Elevation (n	n);			Municipality:	GOULBOURN TOWNSHIP	
Elevation R	éliabilitv:			Site Info:		
Depth to Be	drock:			Lot:	018	
Well Depth:				Concession:	03	
Overburden	/Bedrock:			Concession Name:	CON	
Pump Rate:				Easting NAD83:		
Static Water	r Level:			Northing NAD83:		
Flowing (Y/I	V):			Zone:		
Flow Rate:	,			UTM Reliability:		
Clear/Cloud	v:			-		
	-					
Bore Hole In	nformation					

Dava Hala ID:	10045421	Cratic Status	
Bore Hole ID:	10043421	Spatial Status:	
DP2BR:	50	Cluster Kind:	
Code OB:	r	UTMRC:	5
Code OB Desc:	Bedrock	UTMRC Desc:	margin of error : 100 m - 300 m
Open Hole:		Location Method:	gis
Elevation:	101.117897	Org CS:	
Elevrc:		Date Completed:	4/10/1989
Remarks:			

Remarks: Elevrc Desc: Location Source Date: Improvement Location Source:

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
 Improvement Source Revis Supplier Com	Location Method: ion Comment: ment:					
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Other Materia Mat3:	: n Material: Is:	931055339 1 2 GREY 05 CLAY				
Other Materia Formation To Formation En Formation En	ls: p Depth: d Depth: d Depth UOM:	0.00 50.00 ft				
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Other Materia Mat3:	: n Material: Is:	931055340 2 2 GREY 15 LIMESTONE				
Other Materia Formation To Formation En Formation En	ls: p Depth: d Depth: d Depth UOM:	50.00 75.00 ft				
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	961523647 5 Air Percussion				
<u>Pipe Informat</u>	ion					
Pipe ID: Casing No: Comment: Alt Name:		10593991 1				
<u>Construction</u>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From:	Material:	930079470 1 1 STEEL				
Depth To: Casing Diame Casing Diame Casing Depth	eter: eter UOM: UOM:	53.00 6.00 inch ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930079471			
Laver:		2			
Material:		4			
Open Hole or	Material:	OPEN HOLE			
Depth From:					
Depth To:		75.00			
Casing Diame	eter:	6.00			
Casing Diame	eter UOM:	inch			
Casing Depth	UOM:	ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID	:	991523647			
Pump Set At:					
Static Level:		6.00			
Final Level A	fter Pumping:	30.00			
Recommende	ed Pump Depth:	30.00			
Fumping Rate	9:	20.00			
Peronmand	d Ruma Patar	10.00			
l evels IIOM·	a rump nale.	ft			
Rate UOM:		GPM			
Water State A	fter Test Code:	2			
Water State A	fter Test:	CLOUDY			
Pumping Tes	t Method:	1			
Pumping Dur	ation HR:	1			
Pumping Dur	ation MIN:	0			
Flowing:		Ν			
<u>Draw Down &amp;</u>	Recovery				
Pump Test D	atail ID:	934105586			
Test Type		334103300			
Test Duration	•	15			
Test Level:	•	30.00			
Test Level UC	DM:	ft			
Pump Test De	etail ID:	934390232			
Test Type:					
Test Duration	:	30			
Test Level:	N#4	30.00 #			
lest Level UC	)///:	π			
Pump Test D	etail ID:	934650791			
Test Type:		30-1000101			
Test Duration	:	45			
Test Level:		30.00			
Test Level UC	ОМ:	ft			
_					
Pump Test De	etail ID:	934908416			
Test Type:	_	<u> </u>			
Test Duration	-	50 00			
Test Level:	ом-	50.00 ft			
iest Level UC	/11/.	11			
Water Details					
Water ID:		933481991			
Laver:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found	Depth:	69.00			
Water Found	Depth UOM:	ft			

Мар Кеу	Number o Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
24	1 of 1	N/243.6	99.9 / 0.00	lot 20 con 4 ON		WWIS
Well ID: Construction Primary Wat Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m Elevation Re Depth to Bed Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	n Date: Yer Use: [] Jse: () tatus: \vert tatus: \vert tatus: \vert tatus: \vert formation of the second tatus: \vert tatus: \vert ta	I502430 Domestic ) Nater Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 5/25/1961 1 4824 1 OTTAWA-CARLETON GOULBOURN TOWNSHIP 020 04 CON	
Bore Hole In DP2BR: Code OB: Code OB De Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Soc Improvement Source Revi Supplier Con	tformation b: sc: urce Date: t Location So t Location Me sion Comment mment:	10024473 7 Bedrock 100.164924 urce: athod:		Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	5 margin of error : 100 m - 300 m p5 11/24/1960	
Overburden Materials Int Formation IL Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materi Mat3: Other Materi	<u>and Bedrock</u> e <u>rval</u> D: or: on Material: ials:	930994495 1 7 RED 09 MEDIUM SAND				
Formation E Formation E Formation IL Layer: Color: General Colo	op Depth: ind Depth: ind Depth UOI D: D:	0.00 17.00 ft 930994496 2 2 GREY				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1: Most Commor Mat2: Other Material	n Material: s:	15 LIMESTONE			
Mat3: Other Material Formation Top Formation End Formation End	s: 5 Depth: 1 Depth: 1 Depth UOM:	17.00 60.00 ft			
<u>Method of Cor</u> <u>Use</u>	struction & Well				
Method Const Method Const Method Const Other Method	ruction ID: ruction Code: ruction: Construction:	961502430 1 Cable Tool			
<u>Pipe Informati</u>	<u>on</u>				
Pipe ID: Casing No: Comment: Alt Name:		10573043 1			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930041715 1 STEEL 17.00 4.00 inch ft			
Casing ID: Layer: Material: Open Hole or I Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930041716 2 4 OPEN HOLE 60.00 4.00 inch ft			
Results of We	ll Yield Testing				
Pump Test ID: Pump Set At: Static Level: Final Level Aft Recommendee Pumping Rate: Recommendee Levels UOM: Rate UOM: Water State At Water State At	ter Pumping: d Pump Depth: : d Pump Rate: fter Test Code: iter Test: Mathadi	991502430 15.00 20.00 1.00 5.00 ft GPM 1 CLEAR			
Pumping rest	wethou:	I			

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration HR:	0			
Pumping Duration MIN:	30			
Flowing:	N			
<u>Water Details</u> Water ID:	933455214			
Laver:	1			
Kind Code:	1			
Kind:	FRESH			
Water Found Depth:	60.00			
Water Found Depth UOM:	ft			

# Unplottable Summary

# Total: 45 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 19 Con 3	Rideau ON	
AAGR		Lot 20 Con 3	Osgoode ON	
СА	Findlay Creek Properties Ltd. and 1374537 Ontario Limited	Lot 19, Concession 4 (RF)	Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited	Lot Part 18 & 19, Conc. 4	Ottawa ON	
LIMO	The Corporation of the City of Ottawa	Lot 19-20, Concession 3	City of Ottawa ON	
SPL		TAYLOR DRAIN, LOTS 14 TO 20, CONC 4 \	RIDEAU TOWNSHIP ON	
SPL	TRANSCANADA PIPELINES	LOT 19, CONC. 3 MOTOR VEHICLE (OPERATING FLUID)	GOULBOURN TOWNSHIP ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		lot 20	ON	

WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 19	ON

WWIS	lot 19	ON
WWIS	lot 19	ON
WWIS	con 4	ON
WWIS	con 3	ON

# **Unplottable Report**

Site:		
	Lot 19 Con 3	Rideau ON

Type:PitRegion/County:Ottawa-CarletonTownship:RideauConcession::3Lot::19Size (ha)::0.09Landuse::Comments::

#### Site:

#### Lot 20 Con 3 Osgoode ON

Type:PitRegion/County:Ottawa-CarletonTownship:OsgoodeConcession::3Lot::20Size (ha)::1.2Landuse::Comments::

#### <u>Site:</u> Findlay Creek Properties Ltd. and 1374537 Ontario Limited Lot 19, Concession 4 (RF) Ottawa ON

7588-664KZR Certificate #: Application Year: 2004 10/27/2004 Issue Date: Approval Type: Municipal and Private Sewage Works Approved Status: Application Type: Client Name:: Client Address:: Client City:: **Client Postal Code::** Project Description:: Contaminants:: **Emission Control::** 

#### <u>Site:</u> DCR/Phoenix Development Corporation Limited Lot Part 18 & 19, Conc. 4 Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client City:: Client Postal Code:: Project Description:: 5643-8BGJZQ 2010 12/6/2010 Municipal and Private Sewage Works Approved Database: AAGR

Database:

Database: CA

Database: CA

#### <u>Site:</u> The Corporation of the City of Ottawa Lot 19-20, Concession 3 City of Ottawa ON

C of A No:	A460703
C of A Issue Date:	8/6/1971
C of A Issued to:	
Operation Status:	Closed
Landfill Type:	
Total Site Area:	
Footprint:	
Tot Apprvd Capac:	
Tot Aprv Cp Unit:	
Fill Rate:	
Fill Rate Unit:	
Est Remain Cap:	
ERC Volume Unit:	
ERC Methodology:	
ERC Dt Last Det:	
Total Waste Rec:	
TWR Unit:	
TWR Methodology:	
Site Name:	
Air Emmis Monitor:	
Leachate Off-Site:	
Leachate On Site:	
Landfill Gas Manag (P):	
Landfill Gas Manag (F):	
Landfill Gas Manag (E):	
Req Col Lndfll Gas:	
Lndfll Gas Cllcted:	
Lndfll Gas Mntr:	
Service Area:	
Approved Waste Type:	

Site County: MOE Region: MOE District: Easting: Northing: Latitude: Longitude: UTM Zone: Data Source: Cntm Attn Zn: Grndwtr Mntr: Surf Wtr Mntr: Lst Rprting Yr: Fin Assrnce: Nat Attnuatn: Liners: Cvr Material:

Ottawa Eastern Ottawa

small landfills

Site:

# TAYLOR DRAIN, LOTS 14 TO 20, CONC 4 \ RIDEAU TOWNSHIP ON

**Ridge Road Landfill** 

Ref No: 160716 Discharger Report: Site No: Material Group: Incident Dt: // Client Type: Year: Sector Type: Incident Cause: Source Type: Nearest Watercourse: Incident Event: Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region: Environment Impact: Site Municipality: 20612 Nature of Impact: Site Lot: WATER **Receiving Medium:** Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting: MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: 10/1/1998 MOE Reported Dt: Site Map Datum: Dt Document Closed: SAC Action Class: Incident Reason: Incident Summary:

Database: SPL

Database:

#### <u>Site:</u> TRANSCANADA PIPELINES LOT 19, CONC. 3 MOTOR VEHICLE (OPERATING FLUID) GOULBOURN TOWNSHIP ON

Ref No:	74850	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	8/17/1992	Client Type:	
Year:		Sector Type:	
Incident Cause:	PIPE/HOSE LEAK	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20604
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	8/17/1992	Site Map Datum:	
Dt Document Closed:		-	
SAC Action Class:			
Incident Reason:	CORROSION		
Incident Summary:	TRANSCANADA PIPELINES:	40L DIESEL FUEL LEAK FROMT	RUCK HOSE

<u>Site:</u>

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 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:

con 3 ON

1526050

Domestic

84010

Water Supply

### Bore Hole Information

Bore Hole ID:	10047785	Spatial Status:	
DP2BR:		Cluster Kind:	
Code OB:	0	UTMRC:	9
Code OB Desc:	Overburden	UTMRC Desc:	unknown UTM
Open Hole:		Location Method:	na
Elevation:		Org CS:	
Elevrc:		Date Completed:	10/11/1991
Remarks:			
Elevrc Desc:			

Location Source Date: Improvement Location Source: Improvement Location Method: Database: WWIS

Abunaonment neo.	
Contractor:	6019
Form Version:	1
Owner:	
Street Name:	
County:	OTTAWA-CARLETON
Municipality:	OSGOODE TOWNSHIP
Site Info:	
Lot:	
Concession:	03
Concession Name:	CON
Easting NAD83:	
Northing NAD83:	
Zone:	
UTM Reliability:	
-	

1 1/20/1992

1

Data Entry Status:

Abandonment Rec:

Date Received:

Selected Flag:

Data Src:

Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931063066 1 6 BROWN 28 SAND 84 SILTY 02 TOPSOIL 0.00 26.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	931063067 2 GREY 11 GRAVEL 84 SILTY 26.00
Formation End Depth:	20.00

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

933111504
1
14.00
20.00
ft

#### Method of Construction & Well Use

Method Construction ID:	961526050
Method Construction Code:	8
Method Construction:	Jetting
Other Method Construction:	

## Pipe Information

Pipe ID:	10596355
Casing No:	1
Comment:	
Alt Name:	

#### **Construction Record - Casing**

Casing ID:	930083655
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	

Depth To:	29.00
Casing Diameter:	2.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### **Construction Record - Screen**

Screen ID:	933326391
Layer:	1
Slot:	016
Screen Top Depth:	26.00
Screen End Depth:	29.00
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

### Results of Well Yield Testing

Pump Test ID:	991526050
Pump Set At:	
Static Level:	19.00
Final Level After Pumping:	22.00
Recommended Pump Depth:	
Pumping Rate:	37.00
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:	Ν

#### Water Details

Water ID:	933485227
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	26.00
Water Found Depth UOM:	ft

### Site:

Well ID:

## con 3 ON

**Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: 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):

Domestic Water Supply

1526046

84014

Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name:

Easting NAD83:

Northing NAD83:

Zone:

Data Entry Status:

Date Received:

Selected Flag:

1

1

1

03

CON

6019

1/20/1992

OTTAWA-CARLETON

OSGOODE TOWNSHIP

Data Src:

#### Database: **WWIS**

95		
10	• 1	
	- 1	
		-

## Bore Hole Information

#### Bore Hole ID: 10047781 DP2BR: Code OB: 0 Code OB Desc: Overburden **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

1063060 'EY
FV
FV
AVEL
TY
ND
0
00

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111500
Layer:	1
Plug From:	18.00
Plug To:	25.00
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961526046
Method Construction Code:	8
Method Construction:	Jetting
Other Method Construction:	-

### Pipe Information

Pipe ID:	10596351
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing I	D:
----------	----

930083651

# UTM Reliability:

Spatial Status:	
Cluster Kind:	
UTMRC:	9
UTMRC Desc:	unkn
Location Method:	na
Org CS:	
Date Completed:	10/1

9 unknown UTM na

10/11/1991

Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	27.00
Casing Diameter:	2.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Screen

Screen ID:	933326387
Layer:	1
Slot:	016
Screen Top Depth:	24.00
Screen End Depth:	27.00
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

## Results of Well Yield Testing

Pump Test ID:	991526046
Pump Set At:	
Static Level:	23.00
Final Level After Pumping:	24.00
Recommended Pump Depth:	
Pumping Rate:	7.00
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:	933485223
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	24.00
Water Found Depth UOM:	ft

<u>Site:</u>

con 3 ON				WWIS
Well ID:	1526047	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	1/20/1992	
Sec. Water Use:		Selected Flag:	1	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	6019	
Casing Material:		Form Version:	1	
Audit No:	84013	Owner:		
Tag:		Street Name:		
Construction Method:		County:	OTTAWA-CARLETON	
Elevation (m):		Municipality:	OSGOODE TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:		
Well Depth:		Concession:	03	

Database: WWIS

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### **Bore Hole Information**

Bore Hole ID: 10047782 DP2BR: Code OB: 0 Code OB Desc: Overburden **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931063061
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	06
Other Materials:	SILT
Formation Top Depth:	0.00
Formation End Depth:	28.00
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111501
Layer:	1
Plug From:	20.00
Plug To:	26.00
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961526047
Method Construction Code:	8
Method Construction:	Jetting
Other Method Construction:	•

#### Pipe Information

 Pipe ID:
 10596352

 Casing No:
 1

 Comment:
 Alt Name:

Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Spatial Status:Cluster Kind:UTMRC:9UTMRC Desc:unknown UTMLocation Method:naOrg CS:10/11/1990

CON

# Construction Record - Casing

Casing ID:	930083652
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28.00
Casing Diameter:	2.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Construction Record - Screen

Screen ID:	933326388
Layer:	1
Slot:	016
Screen Top Depth:	25.00
Screen End Depth:	28.00
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

## Results of Well Yield Testing

Pump Test ID:	991526047
Pump Set At:	
Static Level:	23.00
Final Level After Pumping:	24.00
Recommended Pump Depth:	
Pumping Rate:	37.00
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:	Ν

## Water Details

Water ID:	933485224
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	24.00
Water Found Depth UOM:	ft

### Site:

con 3 ON

Wall ID:	1520038	Data Entry Status	
Construction Date:	1323030	Data Entry Status. Data Src:	1
Primary Water Use:	Domestic	Date Received:	8/13/1996
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1558
Casing Material:		Form Version:	1
Audit No:	171230	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON

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Database: WWIS Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

### Bore Hole Information

10050574 Bore Hole ID: DP2BR: 9 Code OB: r Code OB Desc: Bedrock **Open Hole:** . Elevation: Elevrc: Remarks: 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>

931071551 1 6 BROWN 02 TOPSOIL 81 SANDY
0.00 4.00 ft
931071552 2 6 BROWN 14 HARDPAN 12 STONES
4.00 9.00 ft
931071553 3 2 GREY 15 LIMESTONE 11 GRAVEL

Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

#### OSGOODE TOWNSHIP

03 CON

Spatial Status:Cluster Kind:UTMRC:9UTMRC Desc:unknown UTMLocation Method:naOrg CS:7/22/1996

Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	74 LAYERED 9.00 14.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931071554 4 2 GREY 15 LIMESTONE 78 MEDIUM-GRAINED 14.00 75.00 ft
Annular Space/Abandonment Sealing Record	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933114049 1 0.00 22.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961529038 5 Air Percussion
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10599144 1
Construction Record - Casing	
Casing ID: Layer: Material:	930088390 1 1
Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	STEEL 24.00 6.00 inch ft

Casing ID:	930088390
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930088391
Layer:	2
Layer: Material:	2 4
Layer: Material: Open Hole or Material:	2 4 OPEN HOLE
Layer: Material: Open Hole or Material: Depth From:	2 4 OPEN HOLE
Layer: Material: Open Hole or Material: Depth From: Depth To:	2 4 OPEN HOLE 75.00
Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	2 4 OPEN HOLE 75.00 6.00
Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	2 4 OPEN HOLE 75.00 6.00 inch
Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	2 4 OPEN HOLE 75.00 6.00 inch ft

## Results of Well Yield Testing

991529038
8.00
30.00
50.00
20.00
5.00
ft
GPM
2
CLOUDY
1
1
0
Ν

### Draw Down & Recovery

Pump Test Detail ID:	934114962
Test Type:	Draw Down
Test Duration:	15
Test Level:	70.00
Test Level UOM:	ft
Pump Test Detail ID:	934389505
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.00
Test Level UOM:	ft
Pump Test Detail ID:	934659654
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID: Test Type:	934907626

### Water Details

933488974
1
5
Not stated
58.00
ft

# Site:

con 3 Ol
----------

Well ID:	1528043	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/14/1994
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	4877
Casing Material:		Form Version:	1
Audit No:	142089	Owner:	

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## Database: WWIS

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:

#### Bore Hole Information

Bore Hole ID: 10049583 DP2BR: 2 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931068358
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:	0.00
Formation End Depth:	2.00
Formation End Depth UOM:	ft
Formation ID:	931068359
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	71
Other Materials:	FRACTURED
Mat3:	
Other Materials:	
Formation Top Depth:	2.00
Formation End Depth:	5.00
Formation End Depth UOM:	ft
Formation ID:	931068360
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

OTTAWA-CARLETON OSGOODE TOWNSHIP

03 CON

Spatial Status:Cluster Kind:UTMRC:9UTMRC Desc:unknown UTMLocation Method:naOrg CS:0/9/1994

Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	5.00
Formation End Depth:	92.00
Formation End Depth UOM:	ft

# <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933112883
Layer:	1
Plug From:	0.00
Plug To:	21.00
Plug Depth UOM:	ft

## Method of Construction & Well Use

Method Construction ID:	961528043 F
Method Construction Code: Method Construction:	a Air Percussion
Other Method Construction:	

## Pipe Information

Pipe ID:	10598153
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930086651
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	21.00
Casing Diameter:	10.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930086652
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	51.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930086653
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	92.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991528043
Pump Set At:	10.00
Static Level:	18.00
Final Level After Pumping:	60.00
Recommended Pump Depth:	80.00
Pumping Rate:	10.00
Flowing Rate:	
Recommended Pump Rate:	8.00
	0.00 #
Levels UOW:	
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:	034112320
Tost Tupo	Bocovory
Test Type:	Recovery
Test Duration:	15
Test Level:	20.00
Test Level UOM:	ft
Pump Test Detail ID:	934387138
Test Type:	Recovery
Tost Duration:	30
Test Lovali	19.00
Test Level:	10.00
Test Level UOM:	π
Pump Test Detail ID:	934656466
Test Type:	Recoverv
Test Duration:	45
Test Lovel	19.00
Test Level.	10.00
Test Level DOM:	п
Pump Test Detail ID:	034004837
Tost Tupo	Pocovory
Test Type.	Recovery
	00
Test Level:	18.00
Test Level UOM:	ft
Water Details	
Water ID:	933487622
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	9.00
Water Found Depth UOM:	ft
Water ID-	000407600
water ID:	933487623
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45.00
Water Found Depth UOM:	ft
Water ID:	933487624
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	83.00
Water Found Depth LIOM	ft

#### Site:

<u></u>			
	con	3	ΟΝ

Well ID: 1528042 **Construction Date:** Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 142105 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:

#### **Bore Hole Information**

Bore Hole ID: 10049582 DP2BR: 1 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931068355
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	1.00
Formation End Depth UOM:	ft
Formation ID:	931068356
Laver:	2
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Other Materials	HARD

Data Entry Status: Data Src: 1 Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: 1 Owner: Street Name: County: Municipality: Site Info: Lot: Concession: **Concession Name:** Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Spatial Status:

UTMRC:

Org CS:

7/14/1994 1 4877

**OTTAWA-CARLETON** OSGOODE TOWNSHIP

03 CON

. Cluster Kind: 9 UTMRC Desc: unknown UTM Location Method: na 6/10/1994 Date Completed:

Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1.00 147.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931068357 3 2 GREY 18 SANDSTONE 73 HARD
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	147.00 161.00 ft

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID: Laver:	933112882 1
Plug From:	0.00
Plug To:	21.00
Plug Depth UOM:	ft

# <u>Method of Construction & Well</u> <u>Use</u>

Method Construction ID:	961528042
Method Construction Code:	5
Method Construction:	Air Percussior
Other Method Construction:	

## Pipe Information

Pipe ID:	10598152
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930086648
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	21.00
Casing Diameter:	10.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930086649
Casing ID: Layer:	930086649 2
Casing ID: Layer: Material:	930086649 2 1
Casing ID: Layer: Material: Open Hole or Material:	930086649 2 1 STEEL
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930086649 2 1 STEEL
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930086649 2 1 STEEL 21.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930086649 2 1 STEEL 21.00 6.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	930086649 2 1 STEEL 21.00 6.00 inch
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930086649 2 1 STEEL 21.00 6.00 inch ft

930086650
3
4
OPEN HOLE
161.00
6.00
inch
ft

## Results of Well Yield Testing

Pump Test ID:	991528042
Pump Set At:	
Static Level:	30.00
Final Level After Pumping:	145.00
Recommended Pump Depth:	150.00
Pumping Rate:	8.00
Flowing Rate:	
Recommended Pump Rate:	6.00
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:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934112328
Test Type:	Recovery
Test Duration:	15
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934387137
Test Type:	Recovery
Test Duration:	30
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934656465
Test Type:	Recovery
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934904836
Test Type:	Recovery
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft
Water Details	
Water ID:	933487620
Layer:	1
Kind Code:	1
Kind:	FRESH

Kind:	FRESH
Water Found Depth:	134.00
Water Found Depth UOM:	ft
Water ID:	933487621
#### Site:

Well ID:

Water Type:

con 3 ON

# **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status:

84007

1526049

Domestic

Water Supply

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:

### **Bore Hole Information**

#### Bore Hole ID: 10047784 DP2BR: Code OB: 0 Code OB Desc: Overburden **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931063064
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	08
Other Materials:	FINE SAND
Formation Top Depth:	0.00
Formation End Depth:	32.00
Formation End Depth UOM:	ft
Formation ID:	931063065
Layer:	2

Data Entry Status:
Data Src:
Date Received:
Selected Flag:
Abandonment Rec:
Contractor:
Form Version:
Owner:
Street Name:
County:
Municipality:
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

UTM Reliability:

1

#### OTTAWA-CARLETON OSGOODE TOWNSHIP

03 CON

Spatial Status:	
Cluster Kind:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na
Org CS:	
Date Completed:	10/11/1991

## 109

Color: Conoral Color:	2 GREV
Mat1:	11
Most Common Material:	GRAVEL
Mat2: Other Materials:	SILT
Mat3:	
Other Materials: Formation Ton Donth:	32.00
Formation For Depth:	35.00
Formation End Depth UOM:	ft
Annular Space/Abandonment	
Sealing Record	
Plug ID:	933111503
Layer: Blug From:	1
Plug To:	21.00
Plug Depth UOM:	ft
Method of Construction & Well	
<u>Use</u>	
Method Construction ID:	961526049
Method Construction Code:	8 letting
Other Method Construction:	Jetting
Pipe Information	
Pipe ID:	10596354
Casing No:	1
Comment: Alt Name:	
An Name.	
Construction Record - Casing	
Casing ID:	930083654
Layer:	1
Material: Open Hole or Material:	Z GALVANIZED
Depth From:	
Depth To:	35.00
Casing Diameter: Casing Diameter UOM:	2.00 inch
Casing Depth UOM:	ft
Construction Record - Screen	
Screen ID:	933326390
Layer: Slot	ז 016
Screen Top Depth:	32.00
Screen End Depth:	35.00
Screen Material: Screen Dopth LIOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

# Results of Well Yield Testing

Pump Test ID:	991526049
Pump Set At:	

Final Level After Pumping:22.00Recommended Pump Depth:2Pumping Rate:7.00Flowing Rate:7.00Recommended Pump Rate:1Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Static Level:	19.00
Recommended Pump Depth:Pumping Rate:7.00Flowing Rate:7.00Flowing Rate:7.00Recommended Pump Rate:1Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Final Level After Pumping:	22.00
Pumping Rate:7.00Flowing Rate:7.00Flowing Rate:7.00Recommended Pump Rate:7.00Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Recommended Pump Depth:	
Flowing Rate:Recommended Pump Rate:Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Pumping Rate:	7.00
Recommended Pump Rate:Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Flowing Rate:	
Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Recommended Pump Rate:	
Rate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Levels UOM:	ft
Water State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Rate UOM:	GPM
Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Water State After Test Code:	1
Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Water State After Test:	CLEAR
Pumping Duration HR:1Pumping Duration MIN:0Flowing:N	Pumping Test Method:	1
Pumping Duration MIN:0Flowing:N	Pumping Duration HR:	1
Flowing: N	Pumping Duration MIN:	0
	Flowing:	Ν

## Water Details

Water ID:	933485226
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.00
Water Found Depth UOM:	ft
•	

## Site:

con 3 ON

Well ID:	1526048	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/20/1992
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6019
Casing Material:		Form Version:	1
Audit No:	84008	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	03
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Fasting NAD83	
Static Water Level:		Northing NAD83	
Flowing (Y/N):		Zone:	
Flow Pate:		LITM Poliability:	
Clear/Cloudy:		o na Kenability.	
olean/oloudy.			

#### **Bore Hole Information**

Bore Hole ID: DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc:	10047783 o Overburden	Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	9 unknown UTM na 10/11/1991
Location Source Date:			
Improvement Location S Improvement Location N Source Revision Comme Supplier Comment:	Source: lethod: ent:		

## Overburden and Bedrock

#### Materials Interval

Formation ID:	931063062
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	08
Other Materials:	FINE SAND
Mat3:	84
Other Materials:	SILTY
Formation Top Depth:	0.00
Formation End Depth:	26.00
Formation End Depth UOM:	ft
	024062062
Formation ID:	931063063
Color:	2
Color:	
Mott:	11
Maci. Most Common Motorial:	
Most Common Material.	84
Matz. Other Materials:	
Materials.	SILTI
Other Materials:	
Formation Ton Denth:	26.00
Formation End Depth:	28.00
Formation End Depth.	£0.00 ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111502
Layer:	1
Plug From:	15.00
Plug To:	22.00
Plug Depth UOM:	ft

## Method of Construction & Well Use

Method Construction ID:	961526048
Method Construction Code:	8
Method Construction:	Jetting
Other Method Construction:	-

## Pipe Information

Pipe ID:	10596353
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930083653
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28.00
Casing Diameter:	2.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Construction Record - Screen

Screen ID:	933326389
Layer:	1
Slot:	016
Screen Top Depth:	25.00
Screen End Depth:	28.00
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

# Results of Well Yield Testing

Pump Test ID:	991526048
Pump Set At:	
Static Level:	8.00
Final Level After Pumping:	22.00
Recommended Pump Depth:	
Pumping Rate:	37.00
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:	933485225
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	26.00
Water Found Depth UOM:	ft

## 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:	1
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:			

Database: WWIS

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#### **Bore Hole Information**

Bore Hole ID: 10043295 DP2BR: 17 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### 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:	0.00
Formation End Depth:	8.00
Formation End Depth UOM:	ft
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:	8.00
Formation End Depth:	17.00
Formation End Depth UOM:	ft
Formation ID:	931048174
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	MEDIUM-GRAINED
Mat3:	
Other Materials:	17.00
Formation Top Depth:	17.00
Formation End Depth:	135.00
Formation End Depth UOM:	π
Method of Construction & Well	

Use

Method Construction ID:961521473Method Construction Code:1

Spatial Status:Cluster Kind:UTMRC:9UTMRC Desc:unLocation Method:naOrg CS:Date Completed:6/

9 unknown UTM na

6/3/1987

Method Construction:	Cable Tool
Other Method Construction:	

## Pipe Information

Pipe ID:	10591865
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID: Layer: Material: Open Hole or Material: Denth From:	930075609 1 1 STEEL
Depth To:	22.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930075610
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	25.00 6.00 inch ft
Casing ID: Layer: Material: Open Hole or Material: Denth From:	930075611 3 4 OPEN HOLE
Depth To:	135.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991521473
Pump Set At:	
Static Level:	7.00
Final Level After Pumping:	12.00
Recommended Pump Depth:	70.00
Pumping Rate:	10.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	
Test T	ype:	

934106539 Draw Down

Test Duration:	15
Test Level:	12.00
Test Level UOM:	ft
Pump Test Detail ID:	934390639
Test Type:	Draw Down
Test Duration:	30
Test Level:	12.00
Test Level UOM:	ft
Pump Test Detail ID:	934651783
Test Type:	Draw Down
Test Duration:	45
Test Level:	12.00
Test Level UOM:	ft
Pump Test Detail ID:	934908874
Test Type:	Draw Down
Test Duration:	60
Test Level:	12.00
Test Level UOM:	ft
Water Details	
Water ID:	933479049
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.00
Water Found Depth UOM:	ft
Water ID:	933479050
Layer:	2
Kind Code:	1

Site:

Kind:

lot 20 ON

Water Found Depth UOM:

Water Found Depth:

Well ID: 1518685 Data Entry Status: Construction Date: Data Src: 1 11/1/1983 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: 1 Final Well Status: Water Supply Abandonment Rec: 1517 Water Type: Contractor: Casing Material: Form Version: 1 Audit No: Owner: Tag: Street Name: OTTAWA-CARLETON **Construction Method:** County: Municipality: OSGOODE TOWNSHIP Elevation (m): Elevation Reliability: Site Info: Depth to Bedrock: Lot: 020 Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability: Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID:	10040555	Spatial Status:
DP2BR:	34	Cluster Kind:

Database:

FRESH

131.00

ft

Code OB:rCode OB Desc:BedrockOpen Hole:Elevation:Elevation:Elevrc:Remarks:Elevrc Desc:Location Source Date:Improvement Location Source:Improvement Location Method:Source Revision Comment:Supplier Comment:Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931039209
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	5.00
Formation End Depth UOM:	ft
·	
Formation ID:	931039210
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5.00
Formation End Depth:	19.00
Formation End Depth UOM:	ft
Formation ID:	931039211
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	40.00
Formation Top Depth:	19.00
Formation End Depth:	34.00
Formation End Depth UOM:	π
Formation ID:	031030212
l aver:	A
Color:	2
General Color:	GREY
Mat1·	15
Most Common Material:	
Most Common waterial.	
Othor Matorials:	
Mat?	
Other Materials	
other materials.	

UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed: 9 unknown UTM na

10/14/1983

Formation Top Depth: Formation End Depth: Formation End Depth UOM:	34.00 55.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961518685 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10589125 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material:	930070803 1 1 STEFI
Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	6.00 inch ft
Results of Well Yield Testing	
Pump Test ID: Pump Set At: Static Loval:	991518685
Final Level After Pumping: Recommended Pump Depth: Pumping Rate:	40.00 50.00 10.00
Recommended Pump Rate: Levels UOM: Rate UOM:	5.00 ft GPM
Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR:	2 CLOUDY 2 1
Pumping Duration MIN: Flowing:	0 N
Draw Down & Recovery	
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934103997 Draw Down 15 20.00 ft
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934380002 Draw Down 30 25.00 ft
Pump Test Detail ID:	934649983

Test Type:	
Test Duration:	
Test Level:	
Test Level UOM:	

934899522
Draw Down
60
40.00
ft

Draw Down 45 35.00 ft

## Water Details

933475459
1
1
FRESH
45.00
ft

## Site:

#### lot 20 ON

Well ID:	1534087
Construction Date:	
Primary Water Use:	Domestic
Sec. Water Use:	
Final Well Status:	Water Supply
Water Type:	
Casing Material:	
Audit No:	257445
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:	

#### Bore Hole Information

Bore Hole ID:	10543202
DP2BR:	4
Code OB:	r
Code OB Desc:	Bedrock
Open Hole:	
Elevation:	
Elevrc:	
Remarks:	
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

#### **Overburden and Bedrock** Materials Interval

Formation ID: Layer:

932925016 1

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

9/30/2003 1414

Database: **WWIS** 

#### OTTAWA-CARLETON OSGOODE TOWNSHIP

020

1

1

1

Spatial Status: Cluster Kind: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na Org CS: Date Completed: 9/18/2003

Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	6 BROWN 34 TILL 73 HARD
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.00 4.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	932925017 2 GREY 15 LIMESTONE 74 LAYERED
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	4.00 182.00 ft
Annular Space/Abandonment Sealing Record	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933240974 1 0.00 38.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961534087 4 Rotary (Air)
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	11091772 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930098243 1 4 OPEN HOLE 8.00
Casing Diameter UOM: Casing Depth UOM:	inch ft
Casing ID: Layer: Material:	930098244 2 1

Open Hole or Material: Depth From:	STEEL
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930098245 3 4 OPEN HOLE
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991534087
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	170.00
Pumping Rate:	4.00
Flowing Rate:	
Recommended Pump Rate:	4.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

#### Water Details

Water ID:	934037006
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	170.00
Water Found Depth UOM:	ft

1533899

Domestic

257266

Water Supply

Site:

lot 20 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 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):

Data Src: 1 7/25/2003 Date Received: Selected Flag: 1 Abandonment Rec: 1414 Contractor: Form Version: 1 **Owner:** Street Name: OTTAWA-CARLETON County: Municipality: OSGOODE TOWNSHIP Site Info: Lot: 020 Concession: **Concession Name:** Easting NAD83: Northing NAD83: Zone:

Data Entry Status:

## Bore Hole Information

#### Bore Hole ID: 10543014 DP2BR: 8 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	932924538
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0.00
Formation End Depth:	6.00
Formation End Depth UOM:	ft
Formation ID:	932924539
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	6.00
Formation End Depth:	8.00
Formation End Depth UOM:	ft
Formation ID:	932924540
Laver:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	74
Other Materials:	LAYERED
Formation Top Depth	8.00
Formation End Depth:	120.00
Formation End Depth UOM	ft

## Annular Space/Abandonment

122

## UTM Reliability:

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

7/4/2003

## Sealing Record

Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933240796 1 0.00 42.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961533899 4 Rotary (Air)
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	11091584 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930097823 1 4 OPEN HOLE
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	8.00 inch ft
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930097824 2 1 STEEL 6.00 inch ft
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930097825 3 4 OPEN HOLE
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	6.00 inch ft

## Results of Well Yield Testing

Pump Test ID:	991533899
Pump Set At:	
Static Level:	25.00
Final Level After Pumping:	120.00
Recommended Pump Depth:	110.00
Pumping Rate:	8.00
Flowing Rate:	
Recommended Pump Rate:	8.00

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:	934113032
Test Type:	Recovery
Test Duration:	15
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934396646
Test Type:	Recovery
Test Duration:	30
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934656606
Test Type:	Recovery
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Tost Dotail ID:	
Fump rest betain ib.	934914053
Test Type:	934914053 Recovery
Test Type: Test Duration:	934914053 Recovery 60
Test Type: Test Duration: Test Level:	934914053 Recovery 60 25.00

## Water Details

Water ID:	934036722
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	110.00
Water Found Depth UOM:	ft

Site:

lot 20 ON

Well ID:
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
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:

Domestic Water Supply

1522545

25153

Date Received: 8/8/1988 Selected Flag: 1 Abandonment Rec: Contractor: 3749 Form Version: Owner: Street Name: County: OTTAWA-CARLETON Municipality: OSGOODE TOWNSHIP Site Info: Lot: 020 Concession: **Concession Name:** Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Data Entry Status: Data Src:

1

1

#### Bore Hole Information

Bore Hole ID:	10044357
	10044337
DP2BR:	2
Code OB:	r
Code OB Desc:	Bedrock
Open Hole:	
Elevation:	
Elevrc:	
Remarks:	
Elevrc Desc:	
Location Source Date:	
Improvement Location	Source:
Improvement Location	Method:
Source Revision Comm	nent:
Supplier Comment:	

## Overburden and Bedrock Materials Interval

Formation ID:	931051813
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	12
Other Materials:	STONES
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0.00
Formation End Depth:	2.00
Formation End Depth UOM:	ft
Formation ID:	931051814
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2.00
Formation End Depth:	59.00
Formation End Depth UOM:	ft
-	
Formation ID:	931051815
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	85
Other Materials:	SOFT
Mat3:	80
Other Materials:	POROUS
Formation Top Depth:	59.00
Formation End Depth:	79.00
Formation End Depth UOM:	ft

## <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

9 unknown UTM na 7/6/1988

933109935
1
0.00
40.00
ft

## Method of Construction & Well Use

Method Construction ID:	961522545
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

## Pipe Information

Pipe ID:	10592927
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930077574
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

991522545
0.00
0.00
65.00
12.00
ft
GPM
1
CLEAR
2
0
Ν

## Draw Down & Recovery

934110462
Draw Down
15
0.00
ft
934386307
Draw Down
30
0.00

Test Level UOM:	ft
Pump Test Detail ID:	934655682
Test Type:	Draw Down
Test Duration:	45
Test Level:	0.00
Test Level UOM:	ft
Pump Test Detail ID:	934904506
Test Type:	Draw Down
Test Duration:	60
Test Level:	0.00
Test Level UOM:	ft
Water Details	
Water ID:	933480479
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.00
Water Found Depth UOM:	ft
Water ID:	933480480
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	67.00
Water Found Depth UOM:	ft
Water ID:	933480481
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75.00
Water Found Depth UOM:	ft

## Site:

lot 20 ON

Database: WWIS

Well ID:	1524942	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	9/17/1990
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3644
Casing Material:		Form Version:	1
Audit No:	56413	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	020
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: 1004685 Spatial Status: DP2BR: 31 Cluster Kind: Code OB: r UTMRC: 9

Bedrock

Code OB Desc: **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931059569 1 2 GREY 05 CLAY 12 STONES
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	31.00
Formation End Depth UOM:	π
Formation ID:	931059570
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	31.00
Formation End Depth:	63.00
Formation End Depth UOM:	ft
<u>Method of Construction &amp; Well</u> <u>Use</u>	

Method Construction ID:	961524942
Method Construction Code:	4
Method Construction: Other Method Construction:	Rotary (Air)

#### Pipe Information

Pipe ID:	10595255
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930081755
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	

UTMRC Desc: Location Method: Org CS: Date Completed:

na 3/9/1990

unknown UTM

Depth To:	35.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930081756
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	63.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991524942
Pump Set At:	
Static Level:	7.00
Final Level After Pumping:	50.00
Recommended Pump Depth:	50.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	10.00
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:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934110540
Test Type: Test Duration:	15
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID:	934385948
Test Type:	
Test Duration:	30
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID:	934655729
Test Type:	
Test Duration:	45
Test Level:	50.00
Test Level UOM:	ft
Pump Test Detail ID:	934904104
Test Type:	
Test Duration:	60
Test Level:	50.00
Test Level UOM:	ft
Water Details	
Water ID:	933483723

Water ID:	9334837
Layer:	1
Kind Code:	1
Kind:	FRESH

54.00

#### Site:

lot 20 ON

Well ID: 1526781 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 123374 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:

## Bore Hole Information

10048472 Bore Hole ID: DP2BR: 0 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### **Overburden and Bedrock** Materials Interval

Formation ID:	931065155
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	01
Other Materials:	FILL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0.00
Formation End Depth:	5.00
Formation End Depth UOM:	ft
Formation ID:	931065156
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15

#### Database: **WWIS**

Data Entry Status: Data Src: 1 12/3/1992 Date Received: Selected Flag: 1 Abandonment Rec: Contractor: 3749 Form Version: 1 Owner: Street Name: **OTTAWA-CARLETON** County: Municipality: OSGOODE TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

020

Spatial Status:	
Cluster Kind:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na
Org CS:	
Date Completed:	8/25/1992

130

Most Common Material:	LIMESTONE
Mat2:	78
Other Materials:	MEDIUM-GRAINED
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	5.00
Formation End Depth:	95.00
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111949
Layer:	1
Plug From:	4.00
Plug To:	22.00
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961526781
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

## Pipe Information

Pipe ID:	10597042
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

930084886
1
1
STEEL
22.00
6.00
inch
ft

## Results of Well Yield Testing

991526781
27.00
64.00
89.00
9.00
9.00
ft
GPM
2
CLOUDY
2
1
0
Ν

#### Draw Down & Recovery

Pump Test Detail ID:	934108950
Test Type:	Recovery
Test Duration:	15
Test Level:	56.00
Test Level UOM:	ft
Pump Test Detail ID:	934392164
Test Type:	Recovery
Test Duration:	30
Test Level:	37.00
Test Level UOM:	ft
Pump Test Detail ID:	934653097
Test Type:	Recovery
Test Duration:	45
Test Level:	29.00
Test Level UOM:	ft
Pump Test Detail ID:	934910293
Test Type:	Recovery
Test Duration:	60
Test Level:	27.00
Test Level UOM:	ft
Water Details	
Water ID:	933486209
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.00
Water Found Depth UOM:	ft
Water ID:	933486210
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.00
Water Found Depth UOM:	ft

#### Site:

lot 20 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 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:

Water Supply

1526787

Domestic

128350

Data Entry Status: Data Src: 1 Date Received: 12/3/1992 Selected Flag: 1 Abandonment Rec: Contractor: 3749 Form Version: 1 Owner: Street Name: OTTAWA-CARLETON County: Municipality: OSGOODE TOWNSHIP Site Info: Lot: 020 Concession: **Concession Name:** Easting NAD83: Northing NAD83: Zone: UTM Reliability:

#### Bore Hole Information

Bore Hole ID: 10048477 DP2BR: 35 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Overburden and Bedrock Materials Interval

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

10/6/1992

Formation ID:	931065165
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Other Materials:	LOOSE
Mat3:	68
Other Materials:	DRY
Formation Top Depth:	0.00
Formation End Depth:	7.00
Formation End Depth UOM:	ft
-	
Formation ID:	931065166
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	7.00
Formation End Depth:	33.00
Formation End Depth UOM:	ft
Formation ID:	931065167
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	33.00
Formation End Depth:	35.00
Formation End Depth UOM:	ft
Formation ID:	021065169
	301000100 A
Color:	ч С
Color:	
General Color: Mott	
wost Common Material:	LIMESIONE

133

Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	35.00
Formation End Depth:	55.00
Formation End Depth UOM:	ft

# <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111954
Layer:	1
Plug From:	6.00
Plug To:	37.00
Plug Depth UOM:	ft

## Method of Construction & Well Use

Method Construction ID:	961526787
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

## Pipe Information

Pipe ID:	10597047
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930084891
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	37.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991526787
Pump Set At:	
Static Level:	18.00
Final Level After Pumping:	39.00
Recommended Pump Depth:	48.00
Pumping Rate:	10.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	934108955
Test Type:	Recovery
Test Duration:	15
Test Level:	21.00
Test Level UOM:	ft
Pump Test Detail ID:	934392169
Test Type:	Recovery
Test Duration:	30
Test Level:	18.00
Test Level UOM:	ft
Pump Test Detail ID:	934653102
Test Type:	Recovery
Test Duration:	45
Test Level:	18.00
Test Level UOM:	ft
Pump Test Detail ID:	934910294
Test Type:	Recovery
Test Duration:	60
Test Level:	18.00
Test Level UOM:	ft

#### Water Details

Water ID:	933486215
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47.00
Water Found Depth UOM:	ft

1527840

Bedrock

32

r

## Site:

Well ID:

lot 20 ON

**Construction Date:** Primary Water Use:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Bore Hole Information

Sec. Water Use: Final Well Status:

Water Type: Casing Material: Audit No:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

Tag:

1527840	Data Entry Status:	
	Data Src:	1
Domestic	Date Received:	4/13/1994
	Selected Flag:	1
Water Supply	Abandonment Rec:	
	Contractor:	6629
	Form Version:	1
120104	Owner:	
	Street Name:	
	County:	OTTAWA-CARLETON
	Municipality:	GOULBOURN TOWNSHIP
	Site Info:	
	Lot:	020
	Concession:	
	Concession Name:	
	Easting NAD83:	
	Northing NAD83:	
	Zone:	
	UTM Reliability:	
10010100		
10049426	Spatial Status:	
32	Cluster Kind:	
r	UTMRC:	9
Bedrock	UTMRC Desc:	unknown UTM

Location Method:

Org CS:

na

Bore Hole ID: DP2BR: Code OB: Code OB Desc: **Open Hole:** Elevation:

135

Date Completed:

10/27/1992

Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931067850
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	85
Other Materials:	SOFT
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	0.00
Formation End Depth:	5.00
Formation End Depth UOM:	ft
Formation ID:	931067851
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	5.00
Formation End Depth:	32.00
Formation End Depth UOM:	ft
Formation ID:	931067852
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Other Materials:	LAYERED
Mat3:	
Other Materials:	
Formation Top Depth:	32.00
Formation End Depth:	178.00
Formation End Depth UOM:	ft

# Annular Space/Abandonment Sealing Record

933112754
1
0.00
20.00
ft

## Method of Construction & Well Use

Method Construction ID:	961527840
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

## Pipe Information

Pipe ID:	10597996
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930086347
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	34.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930086348
Casing ID: Layer:	930086348 2
Casing ID: Layer: Material:	930086348 2 4
Casing ID: Layer: Material: Open Hole or Material:	930086348 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930086348 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930086348 2 4 OPEN HOLE 178.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930086348 2 4 OPEN HOLE 178.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	930086348 2 4 OPEN HOLE 178.00 inch
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930086348 2 4 OPEN HOLE 178.00 inch ft

## Results of Well Yield Testing

Pump Test ID:	991527840
Pump Set At:	
Static Level:	32.00
Final Level After Pumping:	
Recommended Pump Depth:	160.00
Pumping Rate:	20.00
Flowing Rate:	
Recommended Pump Rate:	20.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

## Draw Down & Recovery

Pump Test Detail ID:	934111774
Test Type:	Recovery
Test Duration:	15
Test Level:	135.00
Test Level UOM:	ft
Pump Test Detail ID:	934386583
Test Type:	Recovery
Test Duration:	30
Test Level:	100.00

Test Level UOM:	ft
Pump Test Detail ID:	934655912
Test Type:	Recovery
Test Duration:	45
Test Level:	71.00
Test Level UOM:	ft
Pump Test Detail ID:	934904283
Test Type:	Recovery
Test Duration:	60
Test Level:	32.00
Test Level UOM:	ft

#### Water Details

Water ID:	933487391
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120.00
Water Found Depth UOM:	ft
Water ID:	933487392
Layer:	2
Layer: Kind Code:	2 1
Layer: Kind Code: Kind:	2 1 FRESH
Layer: Kind Code: Kind: Water Found Depth:	2 1 FRESH 160.00

#### Site:

lot 20 ON

Well ID: 1531374 Data Entry Status: Construction Date: Data Src: 1 Primary Water Use: 9/7/2000 Domestic Date Received: Sec. Water Use: Selected Flag: 1 Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1517 Casing Material: Form Version: 1 220233 Audit No: Owner: Street Name: Tag: **Construction Method:** County: OTTAWA-CARLETON OSGOODE TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info: Depth to Bedrock: Lot: 020 Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability: Flow Rate: Clear/Cloudy:

## Bore Hole Information

Bore Hole ID:	10052908	Spatial
DP2BR:	14	Cluster
Code OB:	r	UTMRC
Code OB Desc:	Bedrock	UTMRC
Open Hole:		Locatio
Elevation:		Org CS
Elevrc:		Date Co
Remarks:		
Elevrc Desc:		
Location Source Da	te:	

9
unknown UTM
na
8/30/2000

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

#### <u>Overburden and Bedrock</u> <u>Materials Interval</u>

Formation ID:	931078306
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	05
Other Materials:	CLAY
Mat3:	81
Other Materials:	SANDY
Formation Top Depth:	0.00
Formation End Depth:	14.00
Formation End Depth UOM:	ft
Formation ID:	931078307
Formation ID: Laver:	931078307 2
Formation ID: Layer: Color:	931078307 2 6
Formation ID: Layer: Color: General Color:	931078307 2 6 BROWN
Formation ID: Layer: Color: General Color: Mat1:	931078307 2 6 BROWN 15
Formation ID: Layer: Color: General Color: Mat1: Most Common Material:	931078307 2 6 BROWN 15 LIMESTONE
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	931078307 2 6 BROWN 15 LIMESTONE 26
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials:	931078307 2 6 BROWN 15 LIMESTONE 26 ROCK
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931078307 2 6 BROWN 15 LIMESTONE 26 ROCK
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials:	931078307 2 6 BROWN 15 LIMESTONE 26 ROCK
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	931078307 2 6 BROWN 15 LIMESTONE 26 ROCK 14.00
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth:	931078307 2 6 BROWN 15 LIMESTONE 26 ROCK 14.00 78.00
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth	931078307 2 6 BROWN 15 LIMESTONE 26 ROCK 14.00 78.00 ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933116540
Layer:	1
Plug From:	0.00
Plug To:	27.00
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961531374
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

## Pipe Information

Pipe ID:	10601478
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930092563
Layer:	1
Material:	1

139

Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991531374
Pump Set At:	
Static Level:	22.00
Final Level After Pumping:	55.00
Recommended Pump Depth:	70.00
Pumping Rate:	20.00
Flowing Rate:	
Recommended Pump Rate:	8.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934113538
Test Type:	
Test Duration:	15
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934396042
Test Type:	
Test Duration:	30
Test Level:	47.00
Test Level UOM:	ft
Pump Test Detail ID:	934657533
Test Type:	
Test Duration:	45
Test Level:	55.00
Test Level UOM:	ft
Pump Test Detail ID:	934914425
Test Type:	
Test Duration:	60
Test Level:	55.00
Test Level UOM:	ft
<u>Water Details</u>	
Water ID:	022/01912

Water ID:	933491813
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.00
Water Found Depth UOM:	ft
Water ID:	933491814
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	76.00
•	

ft

1528846

Domestic

167352

Cooling And A/C

Water Supply

Site: lot 20 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 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:

## Bore Hole Information

10050382 Bore Hole ID: DP2BR: 0 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### **Overburden and Bedrock** Materials Interval

Earmation ID:

Formation ID:	931070991
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	02
Other Materials:	TOPSOIL
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0.00
Formation End Depth:	3.00
Formation End Depth UOM:	ft
Formation ID:	931070992
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Most Common Material:

Data Entry Status:	
Data Src:	1
Date Received:	1/
Selected Flag:	1
Abandonment Rec:	
Contractor:	3
Form Version:	1
Owner:	
Street Name:	
County:	0
Municipality:	0
Site Info:	
Lot:	0
Concession:	
Concession Name:	
Easting NAD83:	
Northing NAD83:	
Zone:	
UTM Reliability:	

/29/1996 749

TTAWA-CARLETON SGOODE TOWNSHIP

20

Spatial Status: . Cluster Kind: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na Org CS: Date Completed: 12/14/1995

Database: **WWIS** 

Order No: 20180522066

Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	3.00
Formation End Depth:	205.00
Formation End Depth UOM:	ft

# Annular Space/Abandonment Sealing Record

Plug ID:	933113804
Layer:	1
Plug From:	4.00
Plug To:	22.00
Plug Depth UOM:	ft

## Method of Construction & Well Use

Method Construction ID:	961528846
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	,

## Pipe Information

Pipe ID:	10598952
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID: Layer: Material: Open Hole or Material: Depth From:	930088058 1 1 STEEL
Depth To: Casing Diamotor:	22.00
Casing Diameter UOM:	inch
Casing Depth UOM:	π
Casing ID: Layer:	930088059 2
Casing ID: Layer: Material:	930088059 2 4
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930088059 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930088059 2 4 OPEN HOLE 205.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930088059 2 4 OPEN HOLE 205.00 6.00

## Results of Well Yield Testing

Pump Test ID:	991528846
Pump Set At:	
Static Level:	24.00
Final Level After Pumping:	83.00
Recommended Pump Depth:	180.00
Pumping Rate:	35.00
Flowing Rate:	
Recommended Pump Rate:	25.00
Levels UOM:	ft

142

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:	934105736
Test Type:	Recovery
Test Duration:	15
Test Level:	47.00
Test Level UOM:	ft
Pump Test Detail ID:	934388942
Test Type:	Recovery
Test Duration:	30
Test Level:	32.00
Test Level UOM:	ft
Pump Test Detail ID:	934658536
Test Type:	Recovery
Test Duration:	45
Test Level:	28.00
Test Level UOM:	ft
Pump Test Detail ID:	934907061
Test Type:	Recovery
Test Duration:	60
Test Level:	25.00
Test Level UOM:	ft
Water Details	

#### Water Details

Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM:	933488712 1 FRESH 164.00 ft
Water ID:	933488713
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	202.00
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 20 ON				WWIS
Well ID:	1525658	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	10/8/1991	
Sec. Water Use:		Selected Flag:	1	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	1517	
Casing Material:		Form Version:	1	
Audit No:	098151	Owner:		
Tag:		Street Name:		
Construction Method	-	County:	OTTAWA-CARLETON	
Elevation (m):		Municipality:	OSGOODE TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	020	

Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

## Bore Hole Information

10047393 Bore Hole ID: DP2BR: 57 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931061946 1 6 BROWN 28 SAND
<i>Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	0.00 57.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931061947 2 GREY 15 LIMESTONE
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	57.00 62.00 ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111345
Layer:	1
Plug From:	2.00
Plug To:	20.00
Plug Depth UOM:	ft

Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Spatial Status:Cluster Kind:UTMRC:9UTMRC Desc:unknown UTMLocation Method:naOrg CS:9/18/1991
#### Method of Construction & Well Use

Method Construction ID:	961525658
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

## Pipe Information

Pipe ID:	10595963
Casing No:	1
Comment:	
Alt Name:	

#### **Construction Record - Casing**

Casing ID:	930082964
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	57.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991525658
Pump Set At:	
Static Level:	15.00
Final Level After Pumping:	30.00
Recommended Pump Depth:	45.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	8.00
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:	Ν

## Draw Down & Recovery

Pump Test Detail ID: Test Type:	934105033
Test Duration:	15
Test Level:	20.00
Test Level UOM:	ft
Pump Test Detail ID: Test Type:	934388692
Test Duration:	30
Test Level:	27.00
Test Level UOM:	ft
Pump Test Detail ID: Test Type:	934649230
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft

Pump Test Detail ID:	934906410
Test Type:	
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft

#### Water Details

Water ID:	933484708
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	57.00
Water Found Depth UOM:	ft

1523082

Domestic

25477

Water Supply

#### Site:

lot 20 ON

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: 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:

#### **Bore Hole Information**

Bore Hole ID: 10044888 DP2BR: 32 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### **Overburden and Bedrock** Materials Interval

Formation ID:	931053483
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY

146

erisinfo.com | Environmental Risk Information Services

Data Entry Status: Data Src: 1 12/14/1988 Date Received: Selected Flag: 1 Abandonment Rec: Contractor: 1517 Form Version: 1 **Owner:** Street Name: **OTTAWA-CARLETON** County: Municipality: OSGOODE TOWNSHIP Site Info: 020 Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Database: **WWIS** 

Spatial Status: Cluster Kind: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na Org CS: Date Completed: 11/22/1988

Order No: 20180522066



Mat2: Other Materials: Mat3:	12 STONES
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.00 7.00 ft
Formation ID: Layer:	931053484 2
General Color: Mat1:	6 BROWN 12
Most Common Material: Mat2: Other Materials:	STONES 28 SAND
Mat3: Other Materials: Formation Top Depth:	11 GRAVEL 7.00
Formation End Depth: Formation End Depth UOM:	32.00 ft
Formation ID: Layer: Color:	931053485 3 8
General Color: Mat1:	o BLACK 17
Most Common Material: Mat2: Other Materials:	SHALE
Mat3: Other Materials: Formation Top Depth:	32.00
Formation End Depth: Formation End Depth UOM:	38.00 ft
Formation ID: Layer: Color:	931053486 4 8
General Color: Mat1: Mat2	BLACK 15
Most Common Material. Mat2: Other Materials:	LIMESTONE
Mats: Other Materials: Formation Top Depth:	38.00
Formation End Depth: Formation End Depth UOM:	60.00 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From:	933110099 1 4 00
Plug To: Plug Depth UOM:	34.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code:	961523082 4
Method Construction: Other Method Construction:	Rotary (Air)

## Pipe Information

Pipe ID:	10593458
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930078520
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	34.00
Casing Diameter:	18.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991523082
Pump Set At:	
Static Level:	16.00
Final Level After Pumping:	40.00
Recommended Pump Depth:	40.00
Pumping Rate:	30.00
Flowing Rate:	
Recommended Pump Rate:	12.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934112656
Test Type:	
Test Duration:	15
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934388074
Test Type:	
Test Duration:	30
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934649056
Pump Test Detail ID: Test Type:	934649056
Pump Test Detail ID: Test Type: Test Duration:	934649056 45
Pump Test Detail ID: Test Type: Test Duration: Test Level:	934649056 45 40.00
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934649056 45 40.00 ft
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID:	934649056 45 40.00 ft 934906260
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type:	934649056 45 40.00 ft 934906260
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type: Test Duration:	934649056 45 40.00 ft 934906260 60
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type: Test Duration: Test Level:	934649056 45 40.00 ft 934906260 60 40.00

## Water Details

Water ID: Layer: 1 Kind Code: 1 Kind: Water Found Depth: Water Found Depth UOM: ft

933481211 FRESH 58.00

#### Site:

Well ID:

#### lot 20 ON

**Construction Date:** 

Primary Water Use:

Sec. Water Use:

1518767 Domestic Water Supply

Final Well Status: 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:

# **Bore Hole Information**

#### Bore Hole ID: 10040637 DP2BR: 74 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

931039492
1
2
GREY
28
SAND
0.00
6.00
ft

#### Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: OSGOODE TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

1 1/10/1984

1

1

3644

020

OTTAWA-CARLETON

Spatial Status: Cluster Kind: UTMRC: 9 UTMRC Desc: Location Method: na Org CS: Date Completed: 11/15/1983

unknown UTM

Formation ID:	931039493
Layer:	2
Color:	2 CREV
General Color: Mat1:	OS OS
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	C 00
Formation Top Depth:	6.00 39.00
Formation End Depth.	ft
Formation ID:	931039494
Layer:	3
Color:	2 CPEV
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials: Formation Ton Denth:	39.00
Formation End Depth:	74.00
Formation End Depth UOM:	ft
Formation ID:	931039495
Layer: Color:	4 2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Other Materials:	
Formation Top Depth:	74.00
Formation End Depth:	115.00
Formation End Depth UOM:	ft
Method of Construction & Well	
<u>Use</u>	
Mothed Construction ID:	061519767
Method Construction ID. Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	
Pipe Information	
<u> </u>	
Pipe ID:	10589207
Casing No:	1
Comment:	
Alt Name.	
Construction Record - Casing	
Casing ID:	930070948
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	76.00
Casing Diameter:	6.00

150

Casing Diameter UOM:	inch
Casing Depth UOM:	Ħ
Casing ID:	930070949
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	115.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991518767
Pump Set At:	
Static Level:	8.00
Final Level After Pumping:	40.00
Recommended Pump Depth:	40.00
Pumping Rate:	50.00
Flowing Rate:	
Recommended Pump Rate:	10.00
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:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934103243
Test Type:	
Test Duration:	15
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934380501
Test Type:	
Test Duration:	30
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934650484
Test Type:	
Test Duration:	45
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934900021
Test Type:	
Test Duration:	60
Test Level:	40.00
Test Level UOM:	ft

## Water Details

Water ID:	933475564
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110.00
Water Found Depth UOM:	ft

#### Site:

lot 19 ON

1522730

Domestic

27084

Water Supply

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: 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:

#### Bore Hole Information

Bore Hole ID: 10044540 DP2BR: 10 Code OB: r Bedrock Code OB Desc: **Open Hole:** Elevation: Elevrc: Remarks: 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>

Layer:1Color:2General Color:GREYMat1:05Most Common Material:CLAYMat2:11Other Materials:GRAVELMat3:Other Materials:Formation Top Depth:0.00Formation End Depth:10.00Formation End Depth931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Formation ID:	931052415
Color:2General Color:GREYMat1:05Most Common Material:CLAYMat2:11Other Materials:GRAVELMat3:0Other Materials:0.00Formation Top Depth:0.00Formation End Depth:10.00Formation End Depth931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Layer:	1
General Color:GREYMat1:05Most Common Material:CLAYMat2:11Other Materials:GRAVELMat3:0ther Materials:Formation Top Depth:0.00Formation End Depth:10.00Formation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Color:	2
Mat1:05Most Common Material:CLAYMat2:11Other Materials:GRAVELMat3:0Other Materials:0.00Formation Top Depth:0.00Formation End Depth:10.00Formation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	General Color:	GREY
Most Common Material:CLAYMat2:11Other Materials:GRAVELMat3:Other Materials:Formation Top Depth:0.00Formation End Depth:10.00Formation End Depth UOM:ftFormation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Mat1:	05
Mat2:11Other Materials:GRAVELMat3:GRAVELOther Materials:0.00Formation Top Depth:10.00Formation End Depth:10.00Formation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Most Common Material:	CLAY
Other Materials:GRAVELMat3:GraduationOther Materials:0.00Formation Top Depth:0.00Formation End Depth:10.00Formation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Mat2:	11
Mat3:Other Materials:Formation Top Depth:0.00Formation End Depth:10.00Formation End Depth UOM:ftFormation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Other Materials:	GRAVEL
Other Materials:Formation Top Depth:0.00Formation End Depth:10.00Formation End Depth UOM:ftFormation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Mat3:	
Formation Top Depth:0.00Formation End Depth:10.00Formation End Depth UOM:ftFormation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONE	Other Materials:	
Formation End Depth:10.00Formation End Depth UOM:ftFormation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONEMat2:15	Formation Top Depth:	0.00
Formation End Depth UOM:ftFormation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONEMat2:15	Formation End Depth:	10.00
Formation ID:931052416Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONEMat2:LIMESTONE	Formation End Depth UOM:	ft
Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONEMat2:LIMESTONE	Formation ID:	931052416
Color: 2 General Color: GREY Mat1: 15 Most Common Material: LIMESTONE Mat2:	Layer:	2
General Color: GREY Mat1: 15 Most Common Material: LIMESTONE Mat2:	Color:	2
Mat1: 15 Most Common Material: LIMESTONE Mat2:	General Color:	GREY
Most Common Material: LIMESTONE	Mat1:	15
Mat2·	Most Common Material:	LIMESTONE
	Mat2:	

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

1 10/26/1988 1

3644 1

OTTAWA-CARLETON GOULBOURN TOWNSHIP

019

Spatial Status:	
Cluster Kind:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na
Org CS:	
Date Completed:	8/19/1988

# Database:

Other Materiala	
Other Materials:	
Mat3:	
Other Materials:	40.00
Formation Top Deptn:	10.00
Formation End Depth:	82.00
Formation End Depth UOM:	Ħ
Method of Construction & Well	
036	
Method Construction ID:	961522730
Method Construction Code:	5
Method Construction	Air Percussion
Other Method Construction:	
Pipe Information	
Pipe ID:	10593110
Casing No:	1
Comment:	
Alt Name:	
Construction Record - Casing	
Casing ID:	930077889
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930077890
Laver:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	82.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
g	
Results of Well Yield Testing	
Rump Toot ID:	001522720
ruinp lest iD: Dump Sot Ati	391522730
rump Set At: Statia Lavali	0.00
Statut Level:	0.00
Filial Level After Pumping:	30.00
Recommenaea Pump Depth:	30.00
rumping kate:	25.00
Flowing Rate:	

Pipe ID:	10593110
Casing No:	1
Comment:	
Alt Name:	

Casing ID:	930077889
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930077890
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	82.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Denth LIOM	ft

Pump Test ID:	99152273
Pump Set At:	
Static Level:	0.00
Final Level After Pumping:	30.00
Recommended Pump Depth:	30.00
Pumping Rate:	25.00
Flowing Rate:	
Recommended Pump Rate:	10.00
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:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934111475
Test Type.	15
Test Lovel:	30.00
Test Level. Test Level LIOM:	50.00 ft
Test Level OOM.	it.
Pump Test Detail ID:	934386898
Test Type:	20
Test Duration:	30
Test Level:	30.00 4
Test Level UOM:	π
Pump Test Detail ID:	934656274
Test Type:	
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934905091
Test Type:	
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft
Water Details	
Water ID:	933480732
Laver:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.00
Water Found Depth UOM:	ft
· · · · · · · · · · · · · · · · · · ·	
Water ID:	933480733
Layer:	2
Kind Code:	1

## Site:

Kind:

lot 19 ON

Water Found Depth: Water Found Depth UOM:

Well ID: Construction Date:	1524207	Data Entry Status: Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/26/1990
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	3644
Casing Material:		Form Version:	1
Audit No:	56433	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	019
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

FRESH

80.00 ft

Bore Hole ID: DP2BR: 26 Code OB: r Bedrock Code OB Desc: **Open Hole:** . Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

10045979

#### **Overburden and Bedrock** Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931057171 1 2 GREY 05 CLAY 14 HARDPAN 12 STONES 0.00 26.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials:	931057172 2 GREY 15 LIMESTONE
Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	26.00 63.00 ft
<u>Method of Construction &amp; Well</u> <u>Use</u>	

Method Construction ID:	961524207
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

## Pipe Information

Pipe ID:	10594549
Casing No:	1
Comment:	
Alt Name:	

## **Construction Record - Casing**

Casing ID:	930080510
Layer:	1

155

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

9/25/1989

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	29.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930080511
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	63.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991524207
Pump Set At:	
Static Level:	7.00
Final Level After Pumping:	40.00
Recommended Pump Depth:	40.00
Pumping Rate:	30.00
Flowing Rate:	
Recommended Pump Rate:	15.00
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

934107788
15
40.00
ft
934392017
30
40.00
ft
934652987
934652987
934652987 45
934652987 45 40.00
934652987 45 40.00 ft
934652987 45 40.00 ft 934910187
934652987 45 40.00 ft 934910187
934652987 45 40.00 ft 934910187 60
934652987 45 40.00 ft 934910187 60 40.00

## Water Details

Water	ın
rater	$\boldsymbol{\nu}$ .

933482770

FRESH 58.00

1524953

Domestic

68450

Water Supply

#### Site:

lot 19 ON

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: 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:

## **Bore Hole Information**

Bore Hole ID: 10046696 DP2BR: 26 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931059596
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials: Mat3: Other Materials:	STONES
Formation Top Depth:	0.00
Formation End Depth:	26.00
Formation End Depth LIOM:	ft
Formation ID: Laver:	 931059597 2

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

1

#### OTTAWA-CARLETON OSGOODE TOWNSHIP

019

Spatial Status: Cluster Kind: UTMRC: 9 UTMRC Desc: Location Method: na Org CS: Date Completed:

unknown UTM

8/17/1990

Color: General Color:	2 GREY
Mat1: Most Common Material: Mat2:	15 LIMESTONE
Matz: Other Materials: Mat3:	
Other Materials:	
Formation Top Depth:	26.00
Formation End Depth:	103.00
ronnadon End Depar oom.	it.
<u>Method of Construction &amp; Well</u> <u>Use</u>	
Method Construction ID:	961524953
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	
Pipe Information	
Pipe ID:	10595266
Casing No:	1
Comment:	
Ait Name:	
Construction Record - Casing	
Casing ID:	930081777
Layer: Motoriali	1
Material: Open Hole or Material:	
Depth From:	
Depth To:	29.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930081778
Layer. Matorial:	2 A
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	103.00
Casing Diameter:	6.00
Casing Diameter UOM:	
Casing Depth UOM:	п
<u>Results of Well Yield Testing</u>	
Pump Test ID:	991524953
Pump Set At:	05.00
Static Level:	25.00
Final Level After Pumping: Bocommondod Pump Dopth:	60.00
Pumping Rate:	50.00
Flowing Rate:	00.00
Recommended Pump Rate:	15.00
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:	0 N
Draw Down & Recovery	
Pump Test Detail ID:	934110551
Test Type:	
Test Duration:	15
Test Level:	60.00
Test Level UOM:	ft
Pump Test Detail ID:	934385959
Test Type:	
Test Duration:	30
Test Level	60.00

Test Level:	60.00
Test Level UOM:	ft
Pump Test Detail ID:	934655740
Test Type:	
Test Duration:	45
Test Level:	60.00
Test Level UOM:	ft
Pump Test Detail ID:	934904115
Test Type:	
Test Duration:	60
Test Level:	60.00
Test Level UOM:	ft

## Water Details

Water ID:	933483737	
Layer:	1	
Kind Code:	1	
Kind:	FRESH	
Water Found Depth:	95.00	
Water Found Depth UOM:	ft	
•		

## Site:

Well ID:1524954Data Entry Status:Construction Date:Data Src:1Primary Water Use:DomesticDate Received:9/17/1990Sec. Water Use:Selected Flag:1Final Well Status:Water SupplyAbandonment Rec:Water Type:Water Type:Contractor:3644Casing Material:Form Version:1Audit No:56349Owner:1Tag:Street Name:County:OTTAWA-CARLETONElevation (m):LSite Info:019Elevation Reliability:Site Info:019Well Depth:Concession Name:Concession Name:Overburden/Bedrock:Easting NAD83:Static Water Level:Flowing (Y/N):LNorthing NAD83:Lite Lite Level:Flowing (Y/N):LSone:Lite Lite Level:	<u>Site:</u> lot 19 ON				Database: WWIS
Flow Rate: UTM Reliability: Clear/Cloudy:	Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 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:	1524954 Domestic Water Supply 56349	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 9/17/1990 1 3644 1 OTTAWA-CARLETON OSGOODE TOWNSHIP 019	

## Bore Hole Information

Bore Hole ID:	10046697	Spatial Status:
DP2BR:	58	Cluster Kind:

Code OB:rCode OB Desc:BedrockOpen Hole:Elevation:Elevation:Elevrc:Remarks:Elevrc Desc:Location Source Date:Improvement Location Source:Improvement Location Source:Improvement Location Method:Source Revision Comment:Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931059598
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material	SAND
Mat2.	11
Other Materials:	GRAVEL
Materials.	ONAVEL
Malo.	
Other Materials:	0.00
Formation Top Deptn:	0.00
Formation End Depth:	58.00
Formation End Depth UOM:	ft
Formation ID:	931059599
Laver:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	
Most Common Material.	
Matz. Othor Matorials:	
Mata	
Malo.	
Other Materials:	50.00
Formation Top Deptn:	58.00
Formation End Depth:	125.00
Formation End Depth UOM:	ft
Method of Construction & Well	
llse	
<u> </u>	
Method Construction ID:	961524954
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	
Other Method Construction.	
Pipe Information	
Pipe ID:	10595267
Casing No:	1
Comment:	
Alt Name:	
Construction Bocard Costra	
<u>Construction Record - Casing</u>	
Casing ID:	930081779
Laver:	1
Material:	1

UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed: 9 unknown UTM na

5/2/1990

Open Hole or Material:

1 STEEL

Depth From:	
Depth To:	61.00
Casing Diameter:	6.00 inch
Casing Diameter 00m: Casing Depth UOM:	ft
Cushig Depth Com.	i.
Casing ID:	930081780
Layer:	2
Material: Open Hole or Material:	
Depth From:	
Depth To:	125.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	п
Results of Well Yield Testing	
results of their field resulting	
Pump Test ID:	991524954
Pump Set At: Static Level:	10.00
Final Level After Pumping:	50.00
Recommended Pump Depth:	50.00
Pumping Rate:	20.00
Flowing Rate:	10.00
Recommended Pump Rate:	10.00 ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR: Pumping Duration MIN:	0
Flowing:	N
	IN
riowing.	
Draw Down & Recovery	
Draw Down & Recovery Pump Test Detail ID:	934110552
Draw Down & Recovery Pump Test Detail ID: Test Type:	934110552
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration:	934110552 15
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934110552 15 50.00 ft
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934110552 15 50.00 ft
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID:	934110552 15 50.00 ft 934385960
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type: Test Duration:	934110552 15 50.00 ft 934385960 30
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type: Test Duration: Test Level:	934110552 15 50.00 ft 934385960 30 50.00
Draw Down & Recovery         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level:         Test Level UOM:         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level UOM:         Test Type:         Test Duration:         Test Level:         Test Level UOM:	934110552 15 50.00 ft 934385960 30 50.00 ft
Draw Down & Recovery         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level:         Test Level UOM:         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level UOM:         Pump Test Detail ID:         Test Duration:         Test Level:         Test Level:      <	934110552 15 50.00 ft 934385960 30 50.00 ft
Draw Down & Recovery         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level:         Test Level UOM:         Pump Test Detail ID:         Test Duration:         Test Type:         Test Detail ID:         Test Duration:         Test Level:         Test Type:	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741
Draw Down & Recovery         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level:         Test Level UOM:         Pump Test Detail ID:         Test Duration:         Test Type:         Test Detail ID:         Test Level:         Test Duration:         Test Level:         Test Duration:         Pump Test Detail ID:         Test Type:         Test Duration:	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Level: Test Duration: Test Type: Test Duration: Test Level: Test Duration: Test Type: Test Duration: Test Duration: Test Level: Test Duration: Test Duration: Test Level:	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level: <b< th=""><th>934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft</th></b<>	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level: Test Level: Test Level: Test Level: Test Level: Test Level: Test Duration: Test Type: Test Duration: Test Type: Test Duration: Test Level: Test Level: 	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116
Draw Down & Recovery         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level:         Test Level UOM:         Pump Test Detail ID:         Test Duration:         Test Duration:         Test Duration:         Test Duration:         Test Level UOM:         Pump Test Detail ID:         Test Level UOM:         Pump Test Detail ID:         Test Type:         Test Duration:         Test Duration:         Test Level:         Test Detail ID:         Test Type:         Test Duration:	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116
Draw Down & Recovery         Pump Test Detail ID:         Test Type:         Test Duration:         Test Level:         Test Level UOM:         Pump Test Detail ID:         Test Duration:         Test Duration:         Test Duration:         Test Duration:         Test Level         Test Level UOM:         Pump Test Detail ID:         Test Level         Test Duration:         Test Duration:         Test Duration:         Test Level:         Test Duration:         Test Duration:         Test Duration:         Test Duration:         Test Level:	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level UOM:Pump Test Detail ID: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level:	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00 ft
Draw Down & RecoveryPump Test Detail ID:Test Type:Test Duration:Test Duration:Test Level:Test Level UOM:Pump Test Detail ID:Test Level:Test Level:Test Level:Test Level:Test Level:Test Level:Test Level:Test Duration:Test Level:Test Level:Test Duration:Test Duration:Test Level:Test Level:Test Level:Test Level:Test Level UOM:Pump Test Detail ID:Test Type:Test Type:Test Duration:Test Level:Test Level: <td< th=""><th>934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00 ft</th></td<>	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00 ft
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level UOM:Pump Test Detail ID: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Level: Test Level: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level: 	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00 ft
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level UOM:Pump Test Detail ID: Test Level: Test Level UOM:Pump Test Detail ID: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Level: Test Level: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level: Test Level: Test Level: Test Level: Test Level: Test Level: Test Duration: Test Level: Test Level: Test Level: Test Level: Test Level: 	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00 ft 934904116 60 50.00 ft
Draw Down & RecoveryPump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level UOM:Pump Test Detail ID: Test Level: Test Level: Test Level UOM:Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Duration: Test Level: Test Duration: Test Level: Test Level: 	934110552 15 50.00 ft 934385960 30 50.00 ft 934655741 45 50.00 ft 934904116 60 50.00 ft 934904116 60 50.00 ft

161

Kind: Water Found Depth: Water Found Depth UOM:	FRESH 70.00 ft
Water ID:	933483739
Laver:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120.00
Water Found Depth UOM:	ft

#### Site:

lot 19 ON

Well ID: Construction Date:	1525459	Data Entry Status: Data Src:	1
Primary Water Use:	Domestic	Date Received:	6/14/1991
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3749
Casing Material:		Form Version:	1
Audit No:	91549	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	GOULBOURN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	019
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:	10047197	Spatial Status:	
DP2BR:	6	Cluster Kind:	
Code OB:	r	UTMRC:	9
Code OB Desc:	Bedrock	UTMRC Desc:	unknown UTM
Open Hole:		Location Method:	na
Elevation:		Org CS:	
Elevrc:		Date Completed:	5/8/1991
Remarks:			
Elevrc Desc:			
Location Source Da	nte:		

Overburden and Bedrock Materials Interval

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

931061215
1
6
BROWN
05
CLAY
12
STONES
14
HARDPAN
0.00

Database:

WWIS

Formation End Depth: Formation End Depth UOM:	6.00 ft
Formation ID:	931061216
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mats: Other Meteriale	
Example 1 Malerials.	6.00
Formation End Depth:	80.00
Formation End Depth.	ft
· · · · · · · · · · · · · · · · · · ·	
Annular Space/Abandonment Sealing Record	
Plug ID:	933111212
Layer:	1
Plug From:	0.00
Plug To:	7.00
Plug Depth UOM:	ft
Plug ID:	933111213
Layer:	2
Plug From:	7.00
Plug To:	22.00
Plug Depth UOM:	ft
Method of Construction & Well Use	
Method Construction ID:	961525459
Method Construction Code:	4
Method Construction:	Rotarv (Air)
Other Method Construction:	, (,
Pipe Information	
Pine ID:	10595767
Casing No:	1
Comment:	
Alt Name:	
Construction Record - Casing	
Casing ID:	930082635
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	π
Results of Well Yield Testing	
	004505450

991525459
6.00
52.00

Recommended Pump Depth:	72.00
Pumping Rate:	8.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	934112282
Test Type:	Draw Down
Test Duration:	15
Test Level:	32.00
Test Level UOM:	ft
Pump Test Detail ID:	934387686
Test Type:	Draw Down
Test Duration:	30
Test Level:	52.00
Test Level UOM:	ft

## Water Details

Water ID:	933484458
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72.00
Water Found Depth UOM:	ft

lot 19 ON

## <u>Site:</u>

Database: WWIS

Well ID:	1528113	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	8/8/1994
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	4006
Casing Material:		Form Version:	1
Audit No:	126256	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	019
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

164

Bore Hole ID:	10049652	Spatial Status:	
DP2BR:	12	Cluster Kind:	
Code OB:	r	UTMRC:	9
Code OB Desc:	Bedrock	UTMRC Desc:	unknown UTM

Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931068615
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	12
Other Materials:	STONES
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0.00
Formation End Depth:	12.00
Formation End Depth UOM:	ft
Formation ID:	931068616
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	71
Other Materials:	FRACTURED
Mat3:	
Other Materials:	
Formation Top Depth:	12.00
Formation End Depth:	20.00
Formation End Depth UOM:	ft
Formation ID:	931068617
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	71
Other Materials:	FRACTURED
Mat3:	
Other Materials:	
Formation Top Depth:	20.00
Formation End Depth:	100.00
Formation End Depth UOM:	ft
· · · · · · · · · · · · · · · · · · ·	

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

933112980
1
0.00
20.00
ft

## Method of Construction & Well

Location Method: Org CS: Date Completed:

7/12/1994

na

## <u>Use</u>

Method Construction ID:	961528113
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

## Pipe Information

Pipe ID:	10598222
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930086759
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	20.00
Casing Diameter:	10.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930086760
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930086761
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991528113
Pump Set At:	
Static Level:	10.00
Final Level After Pumping:	25.00
Recommended Pump Depth:	90.00
Pumping Rate:	5.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	934112376
Test Type:	
Test Duration:	15
Test Level:	12.00
Test Level UOM:	ft
Pump Test Detail ID:	934387185
Test Type:	
Test Duration:	30
Test Level:	17.00
Test Level UOM:	ft
Pump Test Detail ID:	934656513
Test Type:	
Test Duration:	45
Test Level:	20.00
Test Level UOM:	ft
Pump Test Detail ID:	934904884
Test Type:	
Test Duration:	60
Test Level:	25.00
Test Level UOM:	ft
Water Details	

Water ID:	933487701
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	90.00
Water Found Depth UOM:	ft

lot 19 ON

## <u>Site:</u>

Database: WWIS

Well ID:	1531372	Data Entry Status:	
Construction Date:		Data Src:	1
Primarv Water Use:	Domestic	Date Received:	9/7/2000
Sec. Water Use:		Selected Flag:	1
Final Well Status	Water Supply	Abandonment Rec	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	220234	Ownor:	1
Addit No.	220234	Street Name	
Tay. Construction Mothod:			
		County:	
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	019
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:		••••••••••••••••••••••••••••••	
eleal, eleady!			
Dava Hala Information			
Bure Hole Information			
Boro Holo ID:	10052906	Spatial Status:	

Bore Hole ID:	10052906	Spatial Status:	
DP2BR:	14	Cluster Kind:	
Code OB:	r	UTMRC:	9
Code OB Desc:	Bedrock	UTMRC Desc:	unknown UTM
Open Hole:		Location Method:	na

erisinfo.com | Environmental Risk Information Services

Elevation: Elevrc: Remarks: 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: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931078299 1 6 BROWN 14 HARDPAN 12 STONES
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.00 14.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931078300 2 GREY 15 LIMESTONE
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	14.00 80.00 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933116538 1 0.00 27.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961531372 1 Cable Tool

## Pipe Information

 Pipe ID:
 10601476

 Casing No:
 1

 Comment:
 Alt Name:

Org CS: Date Completed:

8/28/2000

## Construction Record - Casing

Casing ID:	930092561
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## **Results of Well Yield Testing**

Pump Test ID:	991531372
Pump Set At:	
Static Level:	15.00
Final Level After Pumping:	60.00
Recommended Pump Depth:	75.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	8.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

## Draw Down & Recovery

Pump Test Detail ID:	934113536
Test Type:	Draw Down
Test Duration:	15
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934396040
Test Type:	Draw Down
Test Duration:	30
Test Level:	55.00
Test Level UOM:	ft
Pump Test Detail ID:	934657531
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.00
Test Level UOM:	ft
Pump Test Detail ID:	934914423
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.00
Test Level UOM:	ft
Water Details	

933491811
1
1
FRESH
78.00
ft

#### Site:

Int	19	- (

Well ID: 1533898 **Construction Date:** Primary Water Use: Domestic Sec. Water Use: Final Well Status: 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:

#### **Bore Hole Information**

Bore Hole ID: 10543013 DP2BR: 11 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	932924534
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0.00
Formation End Depth:	3.00
Formation End Depth UOM:	ft
Formation ID:	932924535
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Other Materials	BOUI DERS

## lot 19 ON

Water Supply

257295

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: **Concession Name:** Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

UTMRC:

Org CS:

1 7/25/2003 1

1414

1

**OTTAWA-CARLETON** OSGOODE TOWNSHIP

019

Spatial Status: . Cluster Kind: 9 UTMRC Desc: unknown UTM Location Method: na 7/3/2003 Date Completed:

BOULDERS Other Materials:

Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	3.00
Formation End Depth:	11.00
Formation End Depth UOM:	ft
Formation ID:	932924536
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	17
Other Materials:	SHALE
Formation Top Depth:	11.00
Formation End Depth:	30.00
Formation End Depth UOM:	ft
Formation ID:	932924537
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	74
Other Materials:	LAYERED
Formation Top Depth:	30.00
Formation End Depth:	120.00
Formation End Depth UOM:	ft

## Annular Space/Abandonment Sealing Record

Plug ID:	933240795
Layer:	1
Plug From:	0.00
Plug To:	42.00
Plug Depth UOM:	ft

## <u>Method of Construction & Well</u> <u>Use</u>

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

## Pipe Information

Pipe ID:	11091583
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930097820
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	

Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	8.00 inch ft
Casing ID: Layer: Material: Open Hole or Material: Depth From: Denth To:	930097821 2 1 STEEL
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	6.00 inch ft
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930097822 3 4 OPEN HOLE
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	6.00 inch ft

## Results of Well Yield Testing

Pump Test ID:	991533898
Pump Set At:	
Static Level:	25.00
Final Level After Pumping:	120.00
Recommended Pump Depth:	110.00
Pumping Rate:	8.00
Flowing Rate:	
Recommended Pump Rate:	8.00
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:	Ν

## Draw Down & Recovery

Pump Test Detail ID:	934113031
Test Type:	Recovery
Test Duration:	15
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934396645
Test Type:	Recovery
Test Duration:	30
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934656605
Test Type:	Recovery
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934914052
Test Type:	Recovery
Test Duration:	60

Test Level:	25.00
Test Level UOM:	ft

## Water Details

Water ID:	934036721
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	110.00
Water Found Depth UOM:	ft

Site:

lot 19 ON

	4500070		
Well ID:	1526072	Data Entry Status:	1
Construction Date:	Domostio	Data Src:	I 2/4/1002
Fillinary Water Use.	Domestic	Solootod Elogy	2/4/1992
Sec. Water Use.	Water Supply	Abandonmont Poor	1
Water Tupo:		Abandonment Rec.	3701
Casing Material:		Contractor.	1
	100584		1
Audit No.	100304	Street Name	
Tay.			
Elevation (m):		County. Municipality	
Elevation Poliability:		Site Info:	USGOODE TOWNSHIP
Depth to Podrock			010
Well Dopth:		Loi. Concossion:	019
Overburden/Redrock:		Concession Namo:	
Bump Pato:		Easting NAD92:	
Static Water Level:		Northing NAD03.	
Elowing (V/N):		Zono:	
Flow Pato:		LITM Poliability:	
Clear/Cloudy:		o na Kenability.	
Glean/Gloudy.			

#### Bore Hole Information

Bore Hole ID:	10047807 50	
Code OB:	r	
Code OB Desc:	Bedrock	
Open Hole:		
Elevation:		
Elevrc:		
Remarks:		
Elevrc Desc:		
Location Source Dat	te:	
Improvement Location Source:		
Improvement Location Method:		
Source Revision Comment:		
Supplier Comment:		

#### Overburden and Bedrock Materials Interval

Formation ID:	931063139
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	28
Other Materials:	SAND
Mat3:	05
Other Materials:	CLAY

Spatial Status:Cluster Kind:UTMRC:9UTMRC Desc:unknown UTMLocation Method:naOrg CS:7/29/1991

173

Formation Top Depth:	0.00
Formation End Depth:	35.00
Formation End Depth UOM:	ft
Formation ID:	931063140
Laver:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	79
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	35.00
Formation End Depth:	50.00
Formation End Depth UOM:	ft
Formation ID:	021062141
Laver:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	50.00
Formation End Depth:	155.00
Formation End Depth UOM:	ft
Method of Construction & Well	
<u>Use</u>	
Method Construction ID:	961526072
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	,
Pipe Information	
<u>- po momaton</u>	
Pipe ID:	10596377
Casing No:	1
Comment:	
Alt Name:	
Results of Well Yield Testing	
Pump Test ID:	001526072
Pump Set At:	991520072
Static Level:	40.00
Final Level After Pumping:	85.00
Recommended Pump Depth:	125.00
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	6.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	
Pumping Duration HR:	1
Pumping Duration MIN:	U
Flowing:	N

#### Draw Down & Recovery

Pump Test Detail ID:	934106251
Test Type:	
Test Duration:	15
Test Level:	75.00
Test Level UOM:	ft
Pump Test Detail ID:	934389885
Test Type:	
Test Duration:	30
Test Level:	85.00
Test Level UOM:	ft
Pump Test Detail ID:	934650828
Test Type:	
Test Duration:	45
Test Level:	85.00
Test Level UOM:	ft
Pump Test Detail ID:	934908026
Test Type:	
Test Duration:	60
Test Level:	85.00
Test Level UOM:	ft
Water Details	
Water ID <sup>.</sup>	933485263
Laver:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102.00
Water Found Depth UOM:	ft
Water ID:	933485264
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	128.00
Water Found Depth UOM:	ft
Water ID:	933485265
Layer:	2
	5
Kind Code:	1
Kind Code: Kind:	1 FRESH

## Site:

Well ID: 1524908 **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Water Found Depth UOM:

lot 19 ON

Domestic Water Supply

ft

56425

#### Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot:

Concession:

## 1 9/17/1990 1 3644 1 OTTAWA-CARLETON OSGOODE TOWNSHIP

019

175

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

## Bore Hole Information

Bore Hole ID: 10046651 DP2BR: 42 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931059458
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	12.00
Formation End Depth UOM:	ft
Formation ID:	931059459
Laver:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	12.00
Formation End Depth:	34.00
Formation End Depth UOM:	ft
Formation ID:	931059460
Layer:	3
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	34.00
Formation End Depth:	42.00

Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

4/17/1990

Formation End Depth UOM:	ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials:	931059461 4 2 GREY 15 LIMESTONE
Nats: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	42.00 83.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961524908 5 Air Percussion
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10595221 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930081688 1 1 STEEL
Depth To: Casing Diameter:	45.00 6.00

Casing Diameter UOM:	Inch
Casing Depth UOM:	ft
Casing ID:	930081689
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	83.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

## Results of Well Yield Testing

Pump Test ID:	991524908
Pump Set At:	
Static Level:	7.00
Final Level After Pumping:	30.00
Recommended Pump Depth:	30.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	2 CLOUDY 1 1 0 N
Draw Down & Recovery	
Pump Test Detail ID: Test Type:	934110506
Test Duration:	15
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934385914
Test Type:	
Test Duration:	30
Test Level:	30.00 ft
Test Level DOM:	п
Pump Test Detail ID:	934655274
Test Type:	
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934904070
Test Type:	<u></u>
rest Duration:	
rest Level:	30.00 #
Test Level UOM:	п

## Water Details

Water ID:	933483683
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.00
Water Found Depth UOM:	ft
Water ID:	933483684
Water ID: Layer:	933483684 2
Water ID: Layer: Kind Code:	933483684 2 1
Water ID: Layer: Kind Code: Kind:	933483684 2 1 FRESH
Water ID: Layer: Kind Code: Kind: Water Found Depth:	933483684 2 1 FRESH 78.00

## <u>Site:</u>

lot 19 ON

Well ID:	1523726	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	8/4/1989
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3644
Casing Material:		Form Version:	1
Audit No:	49803	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	019
Well Depth:		Concession:	

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

## Bore Hole Information

Bore Hole ID: 10045500 DP2BR: 10 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931055541
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Other Materials:	HARDPAN
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	0.00
Formation End Depth:	10.00
Formation End Depth UOM:	ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931055542 2 GREY 15 LIMESTONE 10.00 64.00 ft

#### Method of Construction & Well Use

Method Construction ID:	961523726
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

#### Pipe Information

Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

6/28/1989

Pipe ID:	10594070
Casing No:	1
Comment:	
Alt Name:	

## Construction Record - Casing

Casing ID:	930079627
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930079628
Casing ID: Layer:	930079628 2
Casing ID: Layer: Material:	930079628 2 4
Casing ID: Layer: Material: Open Hole or Material:	930079628 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930079628 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930079628 2 4 OPEN HOLE 64.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930079628 2 4 OPEN HOLE 64.00 6.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	930079628 2 4 OPEN HOLE 64.00 6.00 inch

## Results of Well Yield Testing

Pump Test ID:	991523726
Pump Set At:	
Static Level:	10.00
Final Level After Pumping:	30.00
Recommended Pump Depth:	30.00
Pumping Rate:	15.00
Flowing Rate:	
Recommended Pump Rate:	10.00
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:	934106084
Test Type: Test Duration: Test Level:	15
Test Level UOM:	ft
Pump Test Detail ID:	934390311
Test Duration:	30
Test Level: Test Level UOM:	30.00 ft
Pump Test Detail ID:	934651289
Test Duration:	45
Test Level: Test Level UOM:	30.00 ft
Pump Test Detail ID:	934908495
----------------------	-----------
Test Type:	
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft

### Water Details

Water ID:	933482096
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	57.00
Water Found Depth UOM:	ft

<u>Site:</u>

lot 19 ON

Well ID:	1524206
Construction Date:	
Primary Water Use:	Domestic
Sec. Water Use:	
Final Well Status:	Water Supply
Water Type:	
Casing Material:	
Audit No:	56432
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:	

### Bore Hole Information

Bore Hole ID: 10045978 DP2BR: 27 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

### Overburden and Bedrock Materials Interval

Formation ID: 931	057169
Layer: 1	
Color: 2	
General Color: GR	EY
Mat1: 05	
Most Common Material: CLA	٩Y
<i>Mat2:</i> 14	

Data Entry Status: Data Src: 1 1/26/1990 Date Received: Selected Flag: 1 Abandonment Rec: Contractor: 3644 Form Version: 1 Owner: Street Name: County: OTTAWA-CARLETON OSGOODE TOWNSHIP Municipality: Site Info: Lot: 019 Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

WWIS

Database:

Spatial Status:	
Cluster Kind:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na
Org CS:	
Date Completed:	9/25/1989

Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	HARDPAN 12 STONES 0.00 27.00 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	931057170 2 GREY 15 LIMESTONE
Nation Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	27.00 63.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961524206 4 Rotary (Air)
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10594548 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930080508 1 1 STEEL 30.00 6.00 inch ft
Casing ID: Layer: Material: Open Hole or Material: Dearth From:	930080509 2 4 OPEN HOLE
Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	63.00 6.00 inch ft

### Results of Well Yield Testing

991524206
8.00
40.00
40.00

Pumping Rate:	30.00
Flowing Rate:	
Recommended Pump Rate:	15.00
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:	934107787
Test Type:	
Test Duration:	15
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934392016
Test Type:	
Test Duration:	30
Test Level:	40.00
Test Level UOM:	ft
Pump Test Detail ID:	934652986
Test Type:	
Test Duration:	45
Test Level:	40.00
Test Level UOM:	ft
	004040400
Pump Test Detail ID:	934910186
Test Type:	
Test Duration:	60
Test Level:	40.00
Test Level UOM:	tt

### Water Details

Water ID:	933482769
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	56.00
Water Found Depth UOM:	ft

### <u>Site:</u>

### lot 19 ON

### Database: WWIS

Well ID: Construction Date:	1523079	Data Entry Status: Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/13/1988
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	25476	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OSGOODE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	019
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	

Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

### Bore Hole Information

Bore Hole ID: 10044885 DP2BR: 33 Code OB: r Bedrock Code OB Desc: **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Northing NAD83: Zone: UTM Reliability:

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

11/21/1988

### <u>Overburden and Bedrock</u> <u>Materials Interval</u>

Formation ID:	931053471
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	05
Other Materials:	CLAY
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	0.00
Formation End Depth:	28.00
Formation End Depth UOM:	ft
Formation ID:	931053472
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	28.00
Formation End Depth:	33.00
Formation End Depth UOM:	ft
Formation ID:	931053473
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	33.00
Formation End Depth:	37.00
Formation End Depth UOM:	ft

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931053474 4 8 BLACK 15 LIMESTONE 37.00 60.00 ft
Annular Space/Abandonment Sealing Record	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933110096 1 4.00 37.00 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961523079 4 Rotary (Air)
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10593455 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930078517 1 STEEL 37.00 6.00 inch ft
Results of Well Yield Testing	
Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate:	991523079 40.00 50.00 30.00
Recommended Pump Rate: Levels UOM:	12.00 ft

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1

Pumping Duration HR: Pumping Duration MIN: Flowing:	1 0 N
Draw Down & Recovery	
Pump Test Detail ID: Test Type:	934112653
Test Duration:	15
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934388071
Test Type:	
Test Duration:	30
Test Level:	35.00
Test Level UOM:	ft
Pump Test Detail ID:	934649053
Test Type:	45
Test Duration:	45
Test Level:	40.00
Test Level DOM:	п
Pump Test Detail ID:	934906257
Test Type:	
Test Duration:	60
Test Level:	40.00
Test Level UOM:	π

### Water Details

Water ID:	933481208
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.00
Water Found Depth UOM:	ft

### Site:

lot 19 ON				WWIS
Well ID:	1522944	Data Entry Status:		
Construction Date:		Data Src:	1	
Primarv Water Use:	Domestic	Date Received:	10/26/1988	
Sec. Water Use:		Selected Flag:	1	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	3644	
Casing Material:		Form Version:	1	
Audit No:	18369	Owner:		
Tag:		Street Name:		
<b>Construction Method:</b>		County:	OTTAWA-CARLETON	
Elevation (m):		Municipality:	OSGOODE TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	019	
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:

10044751

Spatial Status:

Database: WWIS

DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location S Improvement Location N Source Revision Comment Supplier Comment:	25 r Bedrock		Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:
Overburden and Bedroc Materials Interval	<u>k</u>		
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials:		931053028 1 2 GREY 11 GRAVEL	
Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth U(	OM:	0.00 25.00 ft	
Formation ID: Layer: Color: General Color: Mat1:		931053029 2 2 GREY 15	
Most Common Material: Mat2: Other Materials: Mat3: Other Materials:		LIMESTONE	
Formation Top Depth: Formation End Depth: Formation End Depth UC	ОМ:	25.00 62.00 ft	
Method of Construction	& Well		
Method Construction ID: Method Construction Co Method Construction: Other Method Construct	ion:	961522944 5 Air Percussion	
Pipe Information			
Pipe ID: Casing No: Comment: Alt Name:		10593321 1	
Construction Record - C	asing		
Casing ID: Layer: Material:		930078285 1 1	

9

na

unknown UTM

5/25/1988

Open Hole or Material:	STEEL
Depth From:	
Depth To:	27.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930078286
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	62.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

991522944
10.00
30.00
30.00
20.00
10.00
ft
GPM
2
CLOUDY
1
1
0
N

### Draw Down & Recovery

Pump Test Detail ID:	934112102
Test Type:	
Test Duration:	15
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934387525
Test Type:	
Test Duration:	30
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934648507
Test Type:	
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934905714
Test Type:	
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft
Water Details	
Water ID:	933481018

Water ID:	
Layer:	

### Site:

Well ID:

con 4 ON

**Construction Date:** 

Primary Water Use:

Sec. Water Use:

Final Well Status:

1528107 Domestic

Water Supply

143607

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:

### **Bore Hole Information**

### 10049646 Bore Hole ID: DP2BR: 40 Code OB: r Code OB Desc: Bedrock **Open Hole:** Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

### **Overburden and Bedrock** Materials Interval

Formation ID: Layer: Color:	931068599 1
General Color: Mat1: Most Common Material:	28 SAND
Mat2: Other Materials: Mat3:	14 HARDPAN
Other Materials: Formation Top Depth: Formation End Depth:	0.00 33.00
Formation ID: Layer:	931068600 2

Color:

189

Data Entry Status:
Data Src:
Date Received:
Selected Flag:
Abandonment Rec:
Contractor:
Form Version:
Owner:
Street Name:
County:
Municipality:
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Spatial Status:

Cluster Kind: UTMRC:

UTMRC Desc:

Date Completed:

Org CS:

9 unknown UTM Location Method: na

6/13/1994

1

1

1

04

CON

2348

8/9/1994

OTTAWA-CARLETON OSGOODE TOWNSHIP



Order No: 20180522066

General Color.	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	33.00
Formation End Dopth:	40.00
Formation End Depth.	40.00
Formation End Depth UOM:	п
Formation ID:	931068601
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials	
Mat3:	
Othor Matorials:	
Ciller Materials.	40.00
Formation Top Depth:	40.00
Formation End Depth:	47.00
Formation End Depth UOM:	ft
Method of Construction & Well	
<u>Use</u>	
Method Construction ID:	961528107
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	
Other method Construction.	
Pipe Information	
<u>- po momaton</u>	
Pipe ID:	10508216
Pipe ID:	10598216
Pipe ID: Casing No:	10598216 1
Pipe ID: Casing No: Comment:	10598216 1
Pipe ID: Casing No: Comment: Alt Name:	10598216 1
Pipe ID: Casing No: Comment: Alt Name:	10598216 1
Pipe ID: Casing No: Comment: Alt Name:	10598216 1
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u>	10598216 1
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u>	10598216 1
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u> Casing ID:	10598216 1 930086749
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u> Casing ID: Layer:	10598216 1 930086749 1
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u> Casing ID: Layer: Material:	10598216 1 930086749 1 1
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u> Casing ID: Layer: Material: Open Hole or Material:	10598216 1 930086749 1 1 STEEL
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From:	10598216 1 930086749 1 1 STEEL
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	10598216 1 930086749 1 1 STEEL 40.00
Pipe ID: Casing No: Comment: Alt Name: <u>Construction Record - Casing</u> Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	10598216 1 930086749 1 STEEL 40.00 6.00
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Results of Well Yield Testing	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Results of Well Yield Testing	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Test ID: Pump Sot At:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Statie Level.	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth From: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00 15.00
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth From: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00 15.00
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00 15.00 10.00
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth To: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00 15.00 10.00 ft
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth From: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Caste: Flowing Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: Rate UOM:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00 15.00 10.00 ft GPM
Pipe ID: Casing No: Comment: Alt Name: Construction Record - Casing Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth From: Depth From: Casing Diameter: Casing Diameter: Casing Diameter: Casing Diameter UOM: Casing Depth UOM: Results of Well Yield Testing Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: Rate UOM: Water State After Test Code:	10598216 1 930086749 1 1 STEEL 40.00 6.00 inch ft 991528107 30.00 30.00 15.00 10.00 ft GPM 1

Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	CLEAR 1 1 0 N
<u>Draw Down &amp; Recovery</u>	
Pump Test Detail ID: Test Type:	934112371
Test Duration:	15
Test Level:	30.00
Test Level DOM.	п
Pump Test Detail ID:	934387180
Test Type:	
Test Duration:	30
Test Level:	30.00 ft
Test Level DOM.	п
Pump Test Detail ID:	934656508
Test Type:	
Test Duration:	45
Test Level:	30.00
Test Level DOM:	п
Pump Test Detail ID:	934904879
Test Type:	
Test Duration:	60
Test Level:	30.00
lest Level UUM:	π

### Water Details

Water ID:	933487695
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	44.00
Water Found Depth UOM:	ft

### <u>Site:</u>

<u>Site:</u> con 3 ON				Database: WWIS
Well ID:	1521314	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	5/20/1987	
Sec. Water Use:		Selected Flag:	1	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	1558	
Casing Material:		Form Version:	1	
Audit No:	04583	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: 10043136 DP2BR: 8 Code OB: r Bedrock Code OB Desc: **Open Hole:** . Elevation: Elevrc: Remarks: 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:	931047543
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	4.00
Formation End Depth UOM:	ft
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 00
Formation End Depth:	8.00
Formation End Depth UOM:	ft
Formation (D)	021047545
	331047343
Layer.	3 2
Color:	
Mott:	15
Matt: Maat Common Motoriol:	
Most Common Material: Mat2:	LIVIESTONE
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8.00
Formation End Depth:	167.00
Formation End Depth UOM:	ft
Formation ID:	931047546
Layer:	4
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	73

Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:

9 unknown UTM na

4/13/1987

Other Materials:	HARD
Mat3:	78
Other Materials:	MEDIUM-GRAINED
Formation Top Depth:	167.00
Formation End Depth:	224.00
Formation End Depth UOM:	ft

### Method of Construction & Well Use

Method Construction ID:	961521314
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:	930075314
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930075315
Casing ID: Laver:	930075315 2
Casing ID: Layer: Material:	930075315 2 4
Casing ID: Layer: Material: Open Hole or Material:	930075315 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930075315 2 4 OPEN HOLE
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930075315 2 4 OPEN HOLE 224.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930075315 2 4 OPEN HOLE 224.00 6.00
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	930075315 2 4 OPEN HOLE 224.00 6.00 inch

### Results of Well Yield Testing

Pump Test ID:	991521314
Pump Set At:	
Static Level:	6.00
Final Level After Pumping:	20.00
Recommended Pump Depth:	30.00
Pumping Rate:	30.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	20.00
Test Level UOM:	ft
Pump Test Detail ID:	934390092
Test Type:	Draw Down
Test Duration:	30
Test Level:	20.00
Test Level UOM:	ft
Pump Test Detail ID:	934651239
Test Type:	Draw Down
Test Duration:	45
Test Level:	20.00
Test Level UOM:	ft
Pump Test Detail ID:	934909447
Test Type:	Draw Down
Test Duration:	60
Test Level:	20.00
Test Level UOM:	ft
Water Details	
Water ID:	933478820
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150.00
Water Found Depth UOM:	ft
Water ID:	933478821
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	218.00
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:

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:

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 2017

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-Nov 2016

Abandoned Mine Information System:

### Anderson's Waste Disposal Sites:

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

### Automobile Wrecking & Supplies:

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, 2018

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.

Certificates of Approval: 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\*

Government Publication Date: 1875-Jul 2014

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Borehole:

Provincial

Provincial

Provincial

Private

Private

ANDR

AUWR

BORE

AAGR

AGR

AMIS

Provincial

Provincial

### Order No: 20180522066

### Provincial

CFOT

CHFM

CNG

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.).

(TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material,

Government Publication Date: 1999-Jan 31, 2018

### Compressed Natural Gas Stations:

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 31, 2012

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.\*

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 2017

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-Feb 28, 2018

Drill Hole Database: 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-Nov 30, 2017

Government Publication Date: Jan 2004-Dec 2016

DRYCLEANERS 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.

Environmental Activity and Sector Registry: 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-Jan 31, 2018

### Commercial Fuel Oil Tanks:

age of tank and tank size.

### Chemical Register:

Government Publication Date: Feb 28, 2017

## Inventory of Coal Gasification Plants and Coal Tar Sites:

### Government Publication Date: Apr 1987 and Nov 1988\*

**Compliance and Convictions:** 

# Certificates of Property Use:

### Dry Cleaning Facilities:

Federal

Private

Private

Provincial

Provincial

COAL

CONV

Provincial

Provincial

Environmental Registry:

### Environmental Compliance Approval:

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.

fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This

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)

Government Publication Date: Oct 2011-Jan 31, 2018

Orders please refer to those individual databases. Government Publication Date: 1994-Feb 28, 2018

### Environmental Effects Monitoring: The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of

### database provides information on the mill name, geographical location and sub-lethal toxicity data. Government Publication Date: 1992-2007\*

ERIS Historical Searches: 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-Feb 28, 2018

### Environmental Issues Inventory System:

Government Publication Date: Feb 28, 2017

### was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed. Government Publication Date: 1992-2001\*

Emergency Management Historical Event: **FMHE** 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

List of TSSA Expired Facilities: FXP List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Federal Convictions: **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\*

### Provincial

EBR

**ECA** 

EEM

EHS

FIIS

Provincial

Federal

Private

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan

Provincial

Federal

Provincial

Federal

Government Publication Date: Jun 2000-Mar 2018

### Fisheries & Oceans Fuel Tanks:

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 2017

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.

Fuel Storage Tank: FST The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

### Fuel Storage Tank - Historic:

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:**

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-December 31, 2017

### Greenhouse Gas Emissions from Large Facilities:

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 2015

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009\*

### Indian & Northern Affairs Fuel Tanks:

**TSSA Historic Incidents:** 

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\*

Federal

FCS

FOFT

**FSTH** 

GEN

GHG

HINC

IAFT

Federal

Provincial

Provincial

Provincial

Federal

Provincial

Federal

### Order No: 20180522066

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### TSSA Incidents:

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

### Landfill Inventory Management Ontario:

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: Dec 31, 2013

Private Canadian Mine Locations: 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\*

Environmental Penalty Annual Report: Provincial **MISA PENALTY** 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, 2017

Mineral Occurrences:

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 Ý) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Jan 2018

### National Analysis of Trends in Emergencies System (NATES):

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: 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, 2016

### National Defense & Canadian Forces Fuel Tanks:

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\*

199

Provincial

INC

LIMO

Provincial

Provincial

MNR

NATE

NDFT

Federal

Provincial

Federal



National Defense & Canadian Forces Spills:

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-Aug 2010

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:

Locations of pipeline incidents from 2008 to present, made available by 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, 2017

National Energy Board Wells: **NEBW** 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):

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: 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: Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect

## Government Publication Date: 1993-May 2017 Oil and Gas Wells:

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-December 31, 2017

Ontario Oil and Gas Wells: 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-Oct 2017

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The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified

NDSP

**NEBI** 

Federal

Federal

Federal

Federal

**NPRI** 

OGW

Private

Federal

Provincial

### Federal

NFFS

comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

### Orders:

## Government Publication Date: 1994-Feb 28, 2018

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.

The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

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

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009

### Parks Canada Fuel Storage Tanks:

Government Publication Date: 1920-Jan 2005\*

Canadian Pulp and Paper:

### Pesticide Register:

TSSA Pipeline Incidents:

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 2018

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, TSSA regulates fuel

and leaks from recorded by the TSSA. Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: 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).

suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike

Government Publication Date: 1989-1996\*

Permit to Take Water:

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-Feb 28, 2018

Ontario Regulation 347 Waste Receivers Summary: RFC 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

Provincial

Provincial

Private

PCFT Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites.

OPCB

ORD

PAP

PES

PINC

PTTW

Provincial

Federal

Provincial

Provincial

Provincial

Provincial

### Inventory of PCB Storage Sites:

Record of Site Condition:

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017

### Retail Fuel Storage Tanks:

### 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, 2018

Scott's Manufacturing Directory: 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:** 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-Feb 2018

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, 2016

Anderson's Storage Tanks: 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.

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands,

Government Publication Date: 1915-1953\*

### Transport Canada Fuel Storage Tanks:

### 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 2017

TSSA Variances for Abandonment of Underground Storage Tanks: List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil

Code, all 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. Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

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-Jan 31, 2018

202

Provincial

Private

RSC

RST

Provincial

Private

Private

Federal

Provincial

Provincial

WDS

VAR

TANK

TCFT

### Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

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:

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: Mar 31, 2017

203

Provincial

Provincial

WDSH

**WWIS** 

## 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.

<u>Map Key:</u> The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

<u>Unplottables:</u> These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

## APPENDIX C

# **AERIAL PHOTOGRAPHS**















# APPENDIX D

# SITE PHOTOGRAPHS



Photo 1: Main entrance to the property



Photo 2: High pressure natural gas pipeline running along Franktown Road

MCINTOSH PERRY



Photo 3: Buried Force-main adjacent to Franktown Road



Photo 4: General area around the site

CP-17-0503



Photo 5: General area around the site


Photo 6: General area around the site



Photo 7: Southside of the property looking Northwest



Photo 8: Residential area to the Northeast of the site

## APPENDIX E

## **BACKGROUND INFORMATION**

McINTOSH PERRY



Belden Map - 1879 2 10 ため With Joy 50 κ. mad 5 25 10 đ 0 3 82 だ 50 Ino 2 ŧ. R 293 2 ~ 10 -Ľ, 0 0 0 1 3 000 104 Wm. X 10 2 di la 2 10 Mixon 0 ~ Phil N Me 200 うたん Phill pe 3 -2 2 54 50 6.13 20 -C 35 2 1 305 I. Mantis 5 Q 30 allon. 0 1 0 And U. Mors 20.5 0 Min 2 0 ñ Jas 345 Z -5-2 3 3 -5-35 2 N Ċ, 100 2 ps 23 CULTURE COLUMN Mr. 2 25 m Linne -100 Ne. Wathew Arbuckle 4 Pailla) -100 0 ν. uckle 10 2 2 a li 2 2 2 5 ICHMO -Mc P 3 2 2 2 2 3 1 N. 5 Corporatio 3 P. 525 Jas 7 5 20 -0 3 23 K 2 \* 14. 3 10 Henry 7 0 -0 14 0 2 3 4 2 12 0 600 The 2 20 H. 2 2 ALEA Ma 1245-0 200 10 × mach ×. Dr. P 14 1 23.7.1 100 401 50 Henry, A Bennell

