



Geotechnical  
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Environmental  
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Hydrogeology

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Engineering

Materials Testing

Building Science

## Phase I - Environmental Site Assessment

Cardinal Creek Village South  
Old Montreal Road  
Ottawa, Ontario

Prepared For

Tamarack Homes

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May 20, 2022

Report: PE2392-4

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## **EXECUTIVE SUMMARY**

### **Assessment**

Paterson Group was commissioned by Tamarack Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the proposed Cardinal Creek Village south subdivision lands, consisting of properties addressed at 1296 & 1400 Old Montreal Road, in Lots 25, 26, and 27, Concession 1, in the former Township of Cumberland, now the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

According to the historical research, the subject site has historically been vacant or used for agricultural purposes. No environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been used for residential or agricultural purposes, with the exception of some commercial/industrial buildings further west of the subject site, outside of the Phase I study area.

Following the historical review, a site inspection was conducted to assess the present-day environmental conditions of the subject site. The subject site is currently largely vacant with a rock crushing operation and associated rock and granular piles occupying the western portion of the site. This is blast rock produced on the northern portion of Cardinal Creek that is being crushed and reused in the development. No environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the vicinity of the subject site were generally observed to be agricultural or used for residential purposes. No environmental concerns were identified with respect to the surrounding properties.

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

## 1.0 INTRODUCTION

At the request of Tamarack Homes, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for the proposed Cardinal Creek Village South Subdivision lands, in the City of Ottawa, Ontario. The development lands include properties addressed as 1296 & 1400 Old Montreal Road, in Lots 25, 26, and 27, Concession 1. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

Paterson was engaged to conduct this Phase I ESA by Mr. Tim Lee of Tamarack Homes. Mr. Tim Lee can be reached by email at [tim.lee@tamarackhomes.com](mailto:tim.lee@tamarackhomes.com).

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

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

## 2.0 PROPERTY INFORMATION

Address:	1296 & 1400 Old Montreal Road, Ottawa, Ontario.
Legal Description:	Part of Lots 25, 26, and 27, Concession 1, Formerly the Township of Cumberland, now in the City of Ottawa, Ontario.
Location:	The subject site is located on the south side of Old Montreal Road, just south of Cardinal Creek Drive and west of Cox County Road, in the City of Ottawa. Refer to Figure 1 – Key Plan for the site location.
Latitude and Longitude:	45° 29' 55.7772" N, 75° 27' 34.3404" W

### Site Description:

Configuration:	Irregular.
Site Area:	Approximately 98 ha.
Zoning:	RU (Rural) & RI15 Rural Institutional Zone
Current Uses:	The subject site is currently vacant and used for agricultural purposes.
Services:	The subject site is located within a mixed municipally serviced/privately serviced area.

### **3.0 SCOPE OF INVESTIGATION**

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

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **Phase I ESA Study Area Determination**

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties located outside of this 250 m radius are not considered to have had the potential to impact the subject site, based on their significant distance away from the site.

#### **First Developed Use Determination**

Based on a review of aerial photographs, the property has never been developed.

#### **City of Ottawa Street Directories**

Due to COVID restrictions and limited access, the City Directories are currently not available for the subject site and surrounding properties.

#### **Fire Insurance Plans**

Fire Insurance Plans (FIPs) are not available for the subject site or neighbouring properties.

#### **Chain of Title**

Based on the available historical data and the fact the land has never been developed, the chain of title was not requested since it is not expected to return any information that would have a material affect on our findings.

### **4.2 Environmental Source Information**

#### **National Pollutant Release Inventory**

A search of the National Pollutant Release Inventory (NPRI) was conducted as part of this assessment. No records of any pollutant releases were identified for the subject site or for any properties situated within the Phase I study area.

#### **PCB Waste Storage Site Inventory**

A search of the national PCB waste storage site inventory was conducted as part of this assessment. According to the database, no PCB waste storage sites are located within 250m of the vicinity of the subject property.

### **MECP Waste Disposal Site Inventory**

The Ontario Ministry of Environment, Conservation and Parks document entitled, "*Waste Disposal Site Inventory in Ontario, 1991*" was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario. A review of this document did not identify any relevant records pertaining to the subject site or for properties located within the Phase I study area.

### **MECP Coal Gasification Plant Inventory**

The Ontario Ministry of Environment, Conservation and Parks document entitled, "*Municipal Coal Gasification Plant Site Inventory, 1991*" was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the subject site. A review of this document did not identify any former coal gasification plants located on the subject site or within the Phase I study area.

### **MECP Brownfields Environmental Site Registry**

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. No Records of Site Condition (RSCs) were identified in the database has having been filed for any properties within the Phase I study area.

### **MECP Instruments**

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the subject site. A response from the MECP indicated that no records were found within the study area.

### **MECP Submissions**

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the subject site. A response from the MECP indicated that no records were found within the study area.



### **MECP Waste Management Records**

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the subject site. A response from the MECP indicated that no records were found within the study area.

### **MECP Incident Reports**

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the subject site or neighbouring properties. A response from the MECP indicated that no records were found within the study area.

### **Areas of Natural Significance**

A search for areas of natural and scientific interest situated within the Phase I study area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website. The search did not identify any natural features of areas of natural significance within the Phase I study area.

### **Technical Standards and Safety Authority (TSSA)**

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

The response from the TSSA indicated that no records were identified pertaining to the subject site or the neighbouring properties. A copy of the correspondence with the TSSA is included in Appendix 2.

### **City of Ottawa Old Landfill Sites**

The document prepared by Golder Associates entitled, "*Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa*", was reviewed as part of this assessment. No former landfill sites were identified on the subject site or within the Phase I study area.

### **City of Ottawa Historical Land Use Inventory (HLUI) Database**

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI)

database for any environmental records pertaining to the subject site as well as any properties situated within the Phase I study area.

A response from the City was received in December 2021 after the issuance of this report. The HLUI Response did not indicate any records on the subject site. As for the surrounding properties, an unnamed landfill was identified approximately 240m west of the subject site. Due to its distance away, this property does not pose a potential environmental concern to the subject site. A copy of the response has been included in Appendix 2.

### **ERIS Database Report**

A database report, prepared by ERIS (Environmental Risk Information Services) Ltd., dated August 4, 2021, was acquired and reviewed as part of this assessment. The complete ERIS report has been included in Appendix 2.

#### *On-Site Records:*

The ERIS report identified eight (8) on-site records. One (1) certificate of approval, a borehole, an environmental compliance approval, an ERIS historical search and four (4) water wells. None of the records found pose an environmental risk to the subject site.

#### *Off-Site Records:*

The ERIS report identified forty-eight (48) records pertaining to properties located within a 250 m radius of the subject site. The off-site records identified in the ERIS report are listed for properties which are situated at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to the subject site, and thus are not considered to pose an environmental concern.

### **Previous Engineering Reports**

- 'Phase I Environmental Site Assessment, Proposed Cardinal Creek Village Subdivision Lands, Old Montreal Road, Ottawa (Cumberland), Ontario', prepared by Paterson Group, dated November 13, 2013.

The original Phase I ESA (PE2392-3) was completed for a much larger tract of land than the current Phase I Property. Based on the findings of the Phase I ESA, no past or current environmental concerns were identified on the subject site. Two (2) off-site potentially contaminating activities (PCAs) were noted; however, based on their respective distances from the site, these PCAs did represent areas of

potential environmental concern (APECs). A Phase II ESA was not recommended for the property.

Geotechnical investigations were conducted by Paterson in 2012, 2013, 2014, and 2021 for the current site. No signs of environmental contamination or deleterious fill material were observed throughout the course of the subsurface investigations.

### **4.3 Physical Setting Sources**

#### **Aerial Photographs**

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals, commencing with the earliest available photograph. Based on the review, the following observations have been made:

- 1949      The subject site and adjacent properties are vacant cleared lands and appear to be used for agricultural purposes. Old Montreal Road and Cox Country Road are present north and east of the subject site. Two farmsteads can be seen within the immediate vicinity of the subject site. Farmsteads are present west and east of the subject site, along Old Montreal Road
  
- 1958      *(City of Ottawa Website)* No significant changes are apparent with respect to the subject and surrounding properties.
  
- 1976      *(City of Ottawa Website)* No significant changes are apparent with respect to the subject property. Multiple farmsteads have been developed west and east of the subject site, on the north and south sides of Old Montreal Road. Residential dwellings have also been constructed south of the subject site, at the Cox County Road and Wilhaven Road intersection. What appears to be a greenhouse business has been constructed northwest of the subject site, across Old Montreal Road. A laneway and possible residential structure are present north of the greenhouse business.
  
- 1991      *(City of Ottawa Website)* No significant changes are apparent with respect to the subject property. Residential dwellings have been constructed northeast and east of the subject site, across Old Montreal and Cox Country Roads.
  
- 2002      *(City of Ottawa Website)* No significant changes are apparent with respect to the subject property. What appears to be a communications tower is present at 1208 Old Montreal Road, west of the subject site. A

residential dwelling has been constructed north of the subject site, at the Old Montreal and Cox Country Roads intersection. Additional greenhouses have been constructed northwest of the subject site. Additions have been made to the farmstead further south of the subject site.

- 2011 (City of Ottawa Website) No significant changes are apparent with respect to the subject site. A building has been constructed west of the subject site, on the north side of Old Montreal Road. A residential building has been constructed immediately to the west of the subject site.
- 2019 (*City of Ottawa Website*) The site is now occupied by blast rock piles from Cardinal Creek north. Famillie-Laporte Avenue is now present north of the subject site. Residential dwellings have been constructed north, northwest, and southwest of the subject site.

Copies of selected aerial photographs reviewed are included in Appendix 1.

### **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was reviewed as part of this assessment. Based on the available information, the bedrock in the area of the subject site consists of limestone of the Bobcaygeon formation, whereas the surficial geology consists of Paleozoic bedrock, with an overburden thickness ranging from approximately 0 to 15m.

### **Topographic Maps**

A topographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website as part of this assessment. The regional topography in the general area of the subject site slopes down towards the northwest, in the direction of the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

### **Physiographic Maps**

A physiographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping information, the subject site is situated within the St. Lawrence Lowlands. According to the description provided: *“The lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.”* The subject

site is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

### **Water Bodies**

The Ottawa River is located approximately 1km north of the subject property. Cardinal Creek runs north to the Ottawa River to the west of the site.

### **MECP Water Well Records**

A search of the MECPs website for all drilled well records within a 250 m radius of the subject site was conducted as part of this assessment. The search identified four (4) well records onsite and sixteen (16) well records within the Phase I study area. These records pertain to wells installed from 1952 to 2012 and used for water supply, domestic potable wells and monitoring purposes.

According to the well records, the overburden stratigraphy in the area of the subject site generally consists of clay, gravel and boulders. Bedrock, consisting of limestone, was typically encountered at a depth of approximately 3m to 25m below ground surface. A copy of the aforementioned well records has been included in Appendix 2.

## **5.0 INTERVIEWS**

### **Property Owner Representative**

Mr. Tim Lee, a representative of the property owner, was interviewed by email as part of this assessment. Mr. Lee indicated that a rock crushing operation was present on-site, however, the operation consisted of crushing rock excavated from the initial phase of Cardinal Creek and re-using it within the development. This activity, which was completed by the client's forces is not considered to be a commercial or industrial use, but rather a construction operation solely attributable to the development of the land. As a result, this activity does not have a bearing on the land use classification. Mr. Lee was unaware of any potential environmental concerns regarding the Phase I Property.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

An inspection was conducted for the subject site on August 9, 2021, between 1:00 PM and 2:00 PM. Weather conditions were cloudy, with a temperature of approximately 30°C. Mr. Mohammed Ramadan, from the Environmental

Department of Paterson Group, conducted the inspection. In addition to the subject site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site inspection.

## **6.2 Site Inspection Observations**

### **Site Description**

The subject site is largely vacant with the exception of a blast rock crushing operation and associated rock and gravel piles. The remainder of the property consists of light vegetation and trees.

The site and regional topography appear to slope down to the northwest, in the direction of Ottawa River.

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

A depiction of the subject site is illustrated on Drawing PE2392-5 – Site Plan, in the Figures section of this report.

### **Potential Environmental Concerns**

#### **Transformer Oil and Polychlorinated Biphenyls (PCBs)**

No concerns were identified with respect to PCBs or transformer oil on the subject site.

#### **Hazardous Materials and Unidentified Substances**

No hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, or indications of potential sub-surface contamination were observed on the exterior of the subject site at the time of the site inspection.

#### **Fuels and Chemical Storage**

No chemical storage areas, vent and fill pipes, above ground storage tanks (ASTs), or signs of underground storage tanks (USTs) were observed on the exterior of the subject site at the time of the site inspection.

**Waste Management**

No environmental concerns were identified with respect to waste management practices on the subject site.

**Neighbouring Properties**

Land use adjacent to the subject site was observed as follows:

- North:* Old Montreal Road, followed by vacant lands and residential dwellings;  
*South:* Vacant/agricultural lands;  
*East:* Cox Country Road, followed by residential dwellings;  
*West:* Residential dwellings.

Current land use and potentially contaminating activities in the Phase I Study Area are illustrated Drawing PE2392-6 – Surrounding Land Use Plan, appended to this report.

## **7.0 REVIEW AND EVALUATION OF INFORMATION**

### **7.1 Land Use History**

Based on a review of aerial photographs, the property has never been developed.

#### **Potentially Contaminating Activities (PCAs)**

No potentially contaminating activities were identified on the subject site or within the Phase I study area.

#### **Areas of Potential Environmental Concern (APECs)**

No areas of potential environmental concern were identified on the subject site.

#### **Contaminants of Potential Concern (CPCs)**

No contaminants of potential concern were identified on the subject site.

### **7.2 Conceptual Site Model**

#### **Water Bodies**

The Ottawa River is located approximately 1km north of the subject property. Cardinal Creek runs north to the Ottawa River to the west of the site.

## **Geological and Hydrogeological Setting**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was reviewed as part of this assessment. Based on the available information, the bedrock in the area of the subject site consists of limestone of the Bobcaygeon formation, whereas the surficial geology consists of Paleozoic bedrock, with an overburden thickness ranging from approximately 0 to 15m.

Groundwater is anticipated to flow in a northwestern direction.

## **Areas of Natural Significance**

No areas of natural significance were identified on the subject site or within the Phase I study area.

## **Drinking Water Wells**

A search of the MECPs website for all drilled well records within a 250 m radius of the subject site was conducted as part of this assessment. The search identified four (4) well records onsite and sixteen (16) well records within the Phase I study area. These records pertain to wells installed from 1952 to 2012 and used for water supply, domestic potable wells and monitoring purposes.

## **Neighbouring Land Use**

Neighbouring land use within the Phase I study area consists mainly of residential dwellings and agricultural lands.

## **Potentially Contaminating Activities and Areas of Potential Environmental Concern**

As per Section 7.1, no potentially contaminating activities (PCAs) resulting in areas of potential environmental concern (APECs) were identified with respect to the subject site or within the Phase I study area.

## **Contaminants of Potential Concern**

No contaminants of potential concern were identified on the subject site.

## **Assessment of Uncertainty and/or Absence of Information**

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs or APECs associated with the subject site. The absence of any PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not



affected by uncertainty which may be present with respect to the individual sources.

## **8.0 CONCLUSION**

### **8.1 Assessment**

Paterson Group was commissioned by Tamarack Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the proposed Cardinal Creek Village south subdivision lands, consisting of properties addressed at 1296 & 1400 Old Montreal Road, in Lots 25, 26, and 27, Concession 1, in the former Township of Cumberland, now the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

According to the historical research, the subject site has historically been vacant or used for agricultural purposes. No environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been used for residential or agricultural purposes, with the exception of some commercial/industrial buildings further west of the subject site, outside of the Phase I study area.

Following the historical review, a site inspection was conducted to assess the present-day environmental conditions of the subject site. The subject site is currently largely vacant with a rock crushing operation and associated rock and granular piles occupying the western portion of the site. This is blast rock produced on the northern portion of Cardinal Creek that is being crushed and reused in the development. No environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the vicinity of the subject site were generally observed to be agricultural or used for residential purposes. No environmental concerns were identified with respect to the surrounding properties.

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

## 9.0 STATEMENT OF LIMITATIONS

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

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

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

### Paterson Group Inc.



Mohammed Ramadan, B.Sc.



Mark S. D'Arcy, P.Eng., QP<sub>ESA</sub>



### Report Distribution:

- Tamarack Homes.
- Paterson Group Inc.

## 10.0 REFERENCES

### Federal Records

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

### Provincial Records

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

### Municipal Records

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

### Local Information Sources

- Personal Interviews.

### Public Information Sources

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

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE2392-5 – SITE PLAN**

**DRAWING PE2392-6 – SURROUNDING LAND USE PLAN**



FIGURE 1  
KEY PLAN

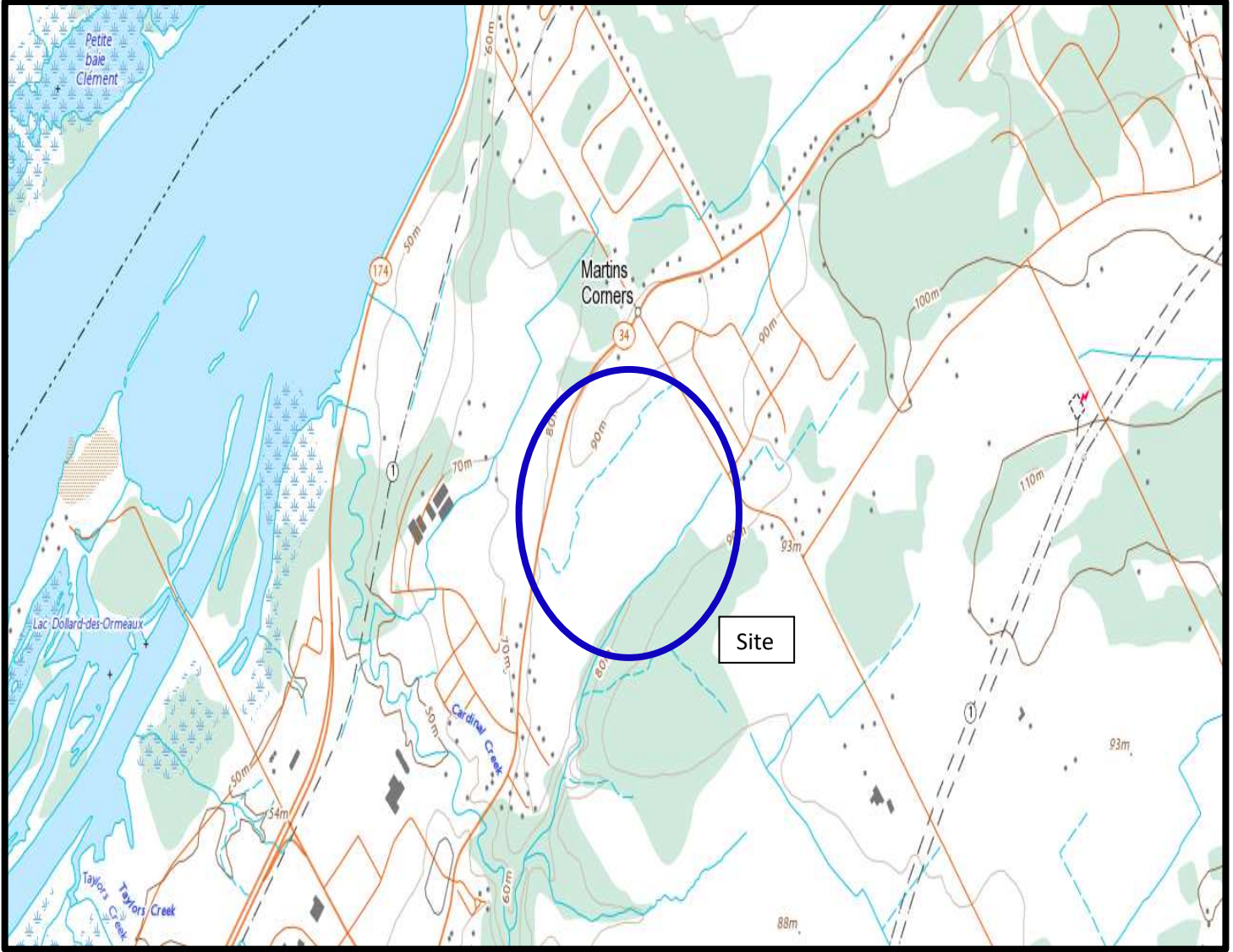
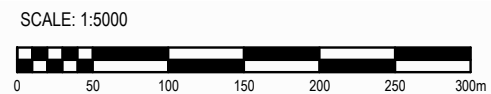
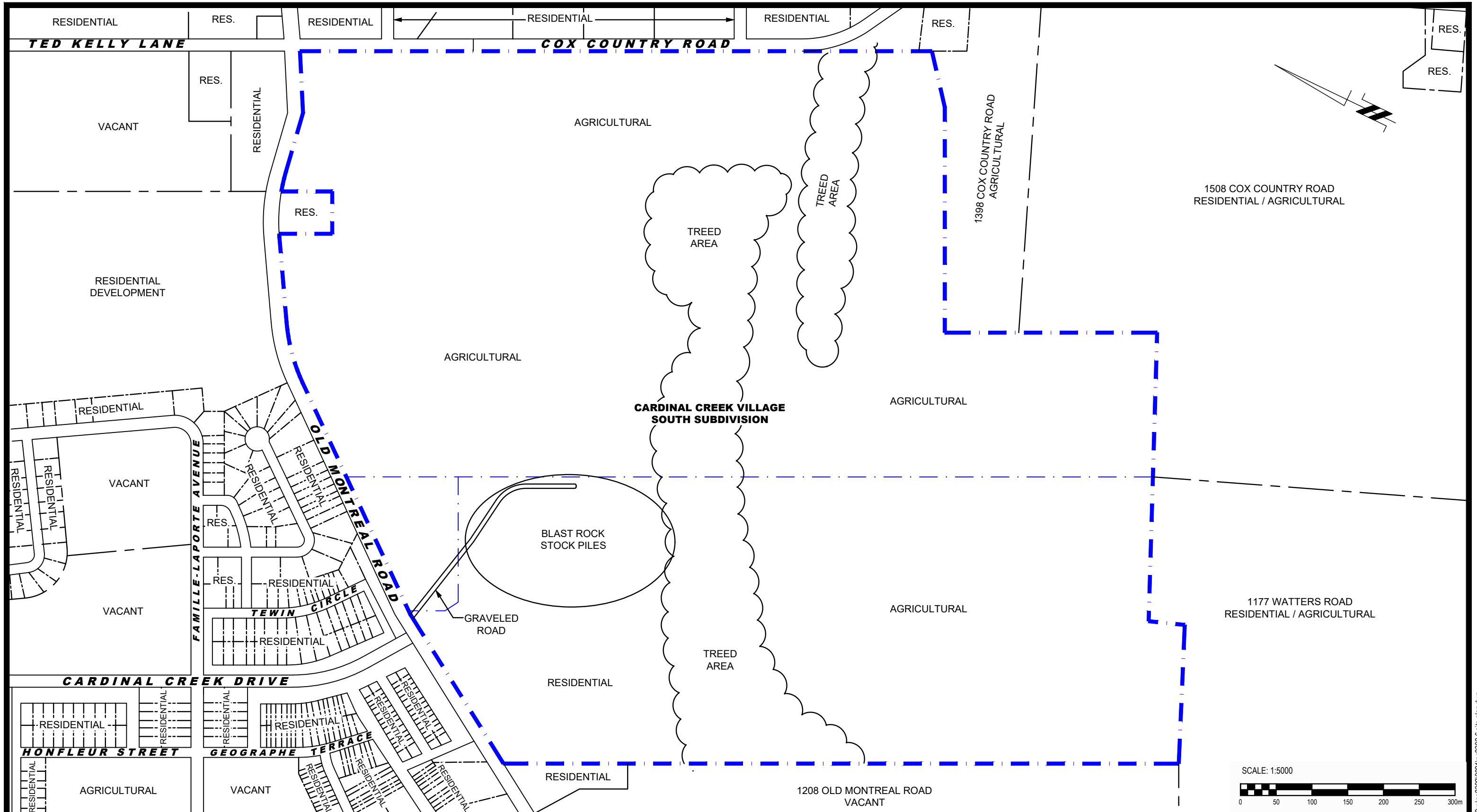


FIGURE 2  
TOPOGRAPHIC MAP





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NO.	REVISIONS	DATE	INITIAL

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**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**  
**CARDINAL CREEK VILLAGE - SOUTH SUBDIVISION**

CUMBERLAND, ONTARIO

**SITE PLAN**

Scale:	1:5000	Date:	08/2021
Drawn by:	JM	Report No.:	PE2392-4
Checked by:	MR	Dwg. No.:	<b>PE2392-6</b>
Approved by:	MSD	Revision No.:	





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**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**

**CARDINAL CREEK VILLAGE - SOUTH SUBDIVISION**

CUMBERLAND, ONTARIO

Title: **SURROUNDING LAND USE PLAN**

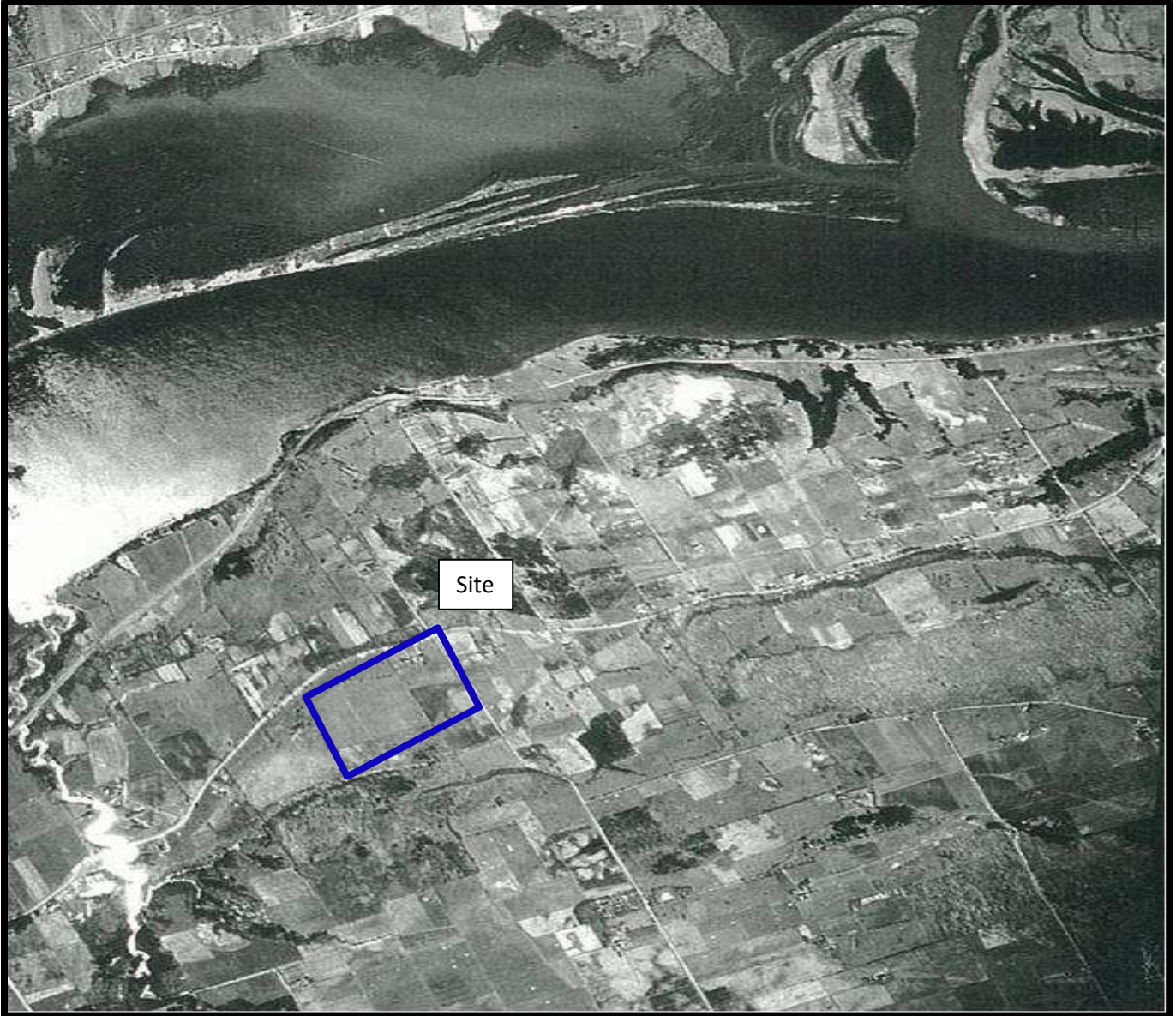
Scale:	1:10000	Date:	08/2021
Drawn by:	JM	Report No.:	PE2392-4
Checked by:	MR	Dwg. No.:	<b>PE2392-7</b>
Approved by:	MSD	Revision No.:	



# **APPENDIX 1**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



AERIAL PHOTOGRAPH  
1949



AERIAL PHOTOGRAPH  
1958





AERIAL PHOTOGRAPH  
1976



AERIAL PHOTOGRAPH  
1991





AERIAL PHOTOGRAPH  
2002





AERIAL PHOTOGRAPH  
2011





AERIAL PHOTOGRAPH  
2019



## Site Photographs

PE2392

Proposed Cardinal Creek Village Subdivision Lands, Ottawa, Ontario

August 9, 2021



Photograph 1: View of the eastern portion of the subject site, facing west.



Photograph 2: View of the southern portion of the subject site, facing northwest.

# **APPENDIX 2**

**MECP FREEDOM OF INFORMATION RESPONSE**

**MECP WATER WELL RECORDS**

**TSSA CORRESPONDENCE**

**CITY OF OTTAWA HLUI RESPONSE**

**ERIS DATABASE REPORT**

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

Access and Privacy Office  
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**Ministère de l'Environnement, de  
la Protection de la nature et des  
Parcs**

Bureau de l'accès à l'information et  
de la protection de la vie privée  
12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



May 19, 2022

Mohammed Ramadan  
Paterson Group Inc.  
154 Colonnade Road  
Ottawa, ON K2E 7J5

Dear Mohammed Ramadan:

**RE: *Freedom of Information and Protection of Privacy Act* Request  
Our File #: A-2021-05530, Your Reference #: PE 2392**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to Lot 25 & 26 Concession 1 and Lot 27 Concession 9, Old Montreal Road, Ottawa.

After a thorough search of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Liz Mico at 647-449-7764 or [liz.mico@ontario.ca](mailto:liz.mico@ontario.ca).

Yours truly,

A handwritten signature in black ink, appearing to read "Ryan Gunn".

Ryan Gunn  
Manager (A), Access and Privacy Office

Attachments



# WATER WELL RECORD

310/40

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

11

1512412

MUNICIP. 1512412

CON. OF

22 23 24

COUNTY OR DISTRICT: [REDACTED] TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON., BLOCK, TRACT, SURVEY, ETC.: **1 OF** LOT 25-27: **024**

DATE COMPLETED: 48-53

**R. R. 1, Cumberland, Ont.** DAY **03** MO. **07** YR. **72**

NG: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	hardpan			0	7
brown	rust slate			7	20
blue	rock			20	60
grey	limestone			60	212

31 0001214 0020019 0000320 0212215

32

#### 41 WATER RECORD

WATER FOUND FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	14
0212	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34-80
	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	250	0	16
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
17-18	1 <input type="checkbox"/> STEEL			20-23
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input checked="" type="checkbox"/> OPEN HOLE			
24-25	1 <input type="checkbox"/> STEEL			27-30
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

#### SCREEN

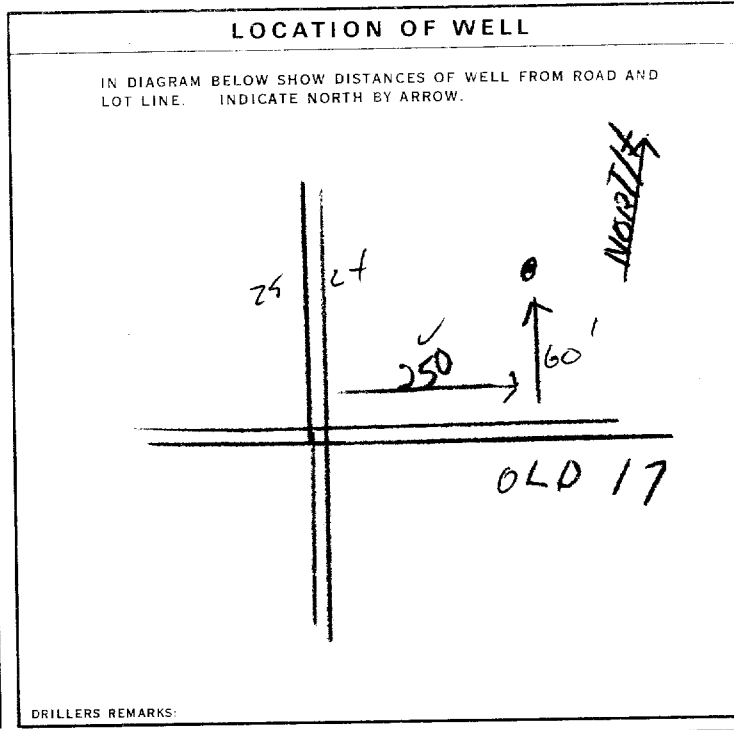
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
31-33	34-38	39-40
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN 41-44 FEET

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	80

#### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	0006	02
STATIC LEVEL 19-21: 100 FEET	WATER LEVEL END OF PUMPING 22-24: 160 FEET	WATER LEVELS DURING
		15 MINUTES 26-28: 120 FEET
		30 MINUTES 29-31: 158 FEET
		45 MINUTES 32-34: 160 FEET
		60 MINUTES 35-37: 160 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 38-41: 130 GPM	WATER AT END OF TEST 42: <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING 43-45: 200 FEET	RECOMMENDED PUMPING RATE 46-49: 0006 GPM
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP		
50-53: 001.0 GPM./FT. SPECIFIC CAPACITY		



#### FINAL STATUS OF WELL

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

#### WATER USE

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

#### METHOD OF DRILLING

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

#### CONTRACTOR

NAME OF WELL CONTRACTOR: **G. Charbonneau, Diamond & Cable Drilling** LICENCE NUMBER: **055**  
 ADDRESS: **R. R. 2, Box 194, Orleans, Ontario**  
 NAME OF DRILLER OR BORER: **Leo Bourgeois** LICENCE NUMBER:  
 SIGNATURE OF CONTRACTOR: *Leo Bourgeois* SUBMISSION DATE: DAY **3** MO. **7** YR. **72**

#### OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1504** DATE RECEIVED: **240473**  
 DATE OF INSPECTION: INSPECTOR: **K**  
 REMARKS: **P K**  
**WI**



Ontario

City of Toronto - B 21  
31-G/11-U

# WATER WELL RECORD

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

1514504      15011      02A

11      10      14      22      23      24

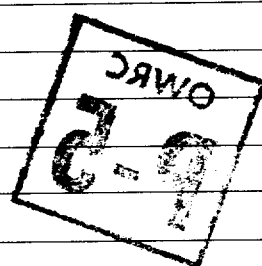
COUNTY OR DISTRICT: **Carleton**      TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland**      CON., BLOCK, TRACT, SURVEY, ETC.: **I O E**      LOT: **02A**

DATE COMPLETED: DAY **23** MO **04** YR. **74**

ING: **38682**      RC: **4**      ELEVATION: **0305**      RC: **5**      BASIN CODE: **26**

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	hardpan			0	3
grey	shale			3	10
brown	slate			10	125
grey	limestone			125	150
brown	slate			150	250
grey	limestone			250	305



31      000361H      0010317      0125619      0150215      0250619      0305215

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER			
10-13	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	14
0305	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL		
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34-80

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	250	0	0021
06	2 <input type="checkbox"/> GALVANIZED			
17-18	1 <input type="checkbox"/> STEEL			20-23
06	2 <input type="checkbox"/> GALVANIZED			0305
24-25	1 <input type="checkbox"/> STEEL			27-30

**SCREEN**

SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER INCHES	34-38 LENGTH FEET	39-40 DEPTH TO TOP OF SCREEN FEET
			41-44 80

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17
16-21	22-25
26-29	30-33 80

**71 PUMPING TEST**

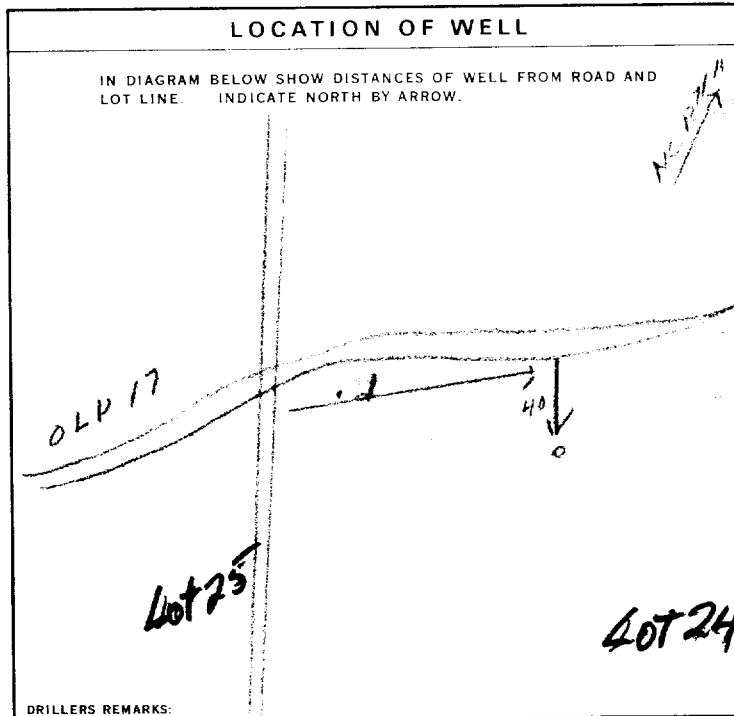
PUMPING TEST METHOD:  PUMP       BAILER

PUMPING RATE: **0004** GPM      DURATION OF PUMPING: **01** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	
030	300	250	225
030	300	200	175

RECOMMENDED PUMP TYPE:  SHALLOW       DEEP

RECOMMENDED PUMP SETTING: **300** FEET      RECOMMENDED PUMPING RATE: **0004** GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY      5  ABANDONED, INSUFFICIENT SUPPLY

2  OBSERVATION WELL      6  ABANDONED, POOR QUALITY

3  TEST HOLE      7  UNFINISHED

4  RECHARGE WELL

**WATER USE** **01**

1  DOMESTIC      5  COMMERCIAL

2  STOCK      6  MUNICIPAL

3  IRRIGATION      7  PUBLIC SUPPLY

4  INDUSTRIAL      8  COOLING OR AIR CONDITIONING

9  NOT USED

**METHOD OF DRILLING** **4**

1  CABLE TOOL      6  BORING

2  ROTARY (CONVENTIONAL)      7  DIAMOND

3  ROTARY (REVERSE)      8  JETTING

4  ROTARY (AIR)      9  DRIVING

5  AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **G. Charbonneau & Son Drilling Ltd.**      LICENCE NUMBER: **1504**

ADDRESS: **R. R. 2, Box 194, Orléans, Ont. K0A 2V0**

NAME OF DRILLER OR BORER: **L. Bourgeois**      LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: *[Signature]*      SUBMISSION DATE: DAY **23** MO **4** YR. **74**

**OFFICE USE ONLY**

DATA SOURCE: **1**      CONTRACTOR: **1504**      WELL NO.: **230175**

DATE OF INSPECTION:      INSPECTOR:

REMARKS:

PV

WI





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

11 1523410 15011 OF 01

COUNTY OR DISTRICT: OTTAWA-CARLETON TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: CUMBERLAND  
 OWNER (SURNAME FIRST): BLOOMFIELD ESTATE ADDRESS: DATE COMPLETED: DAY 9 MO 4 YR 89  
 ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	HARD PAN			0	19
BLUE	SHALE			19	222

31 32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
75	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 7/8	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1.88	0	44

**SCREEN**

SIZES OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

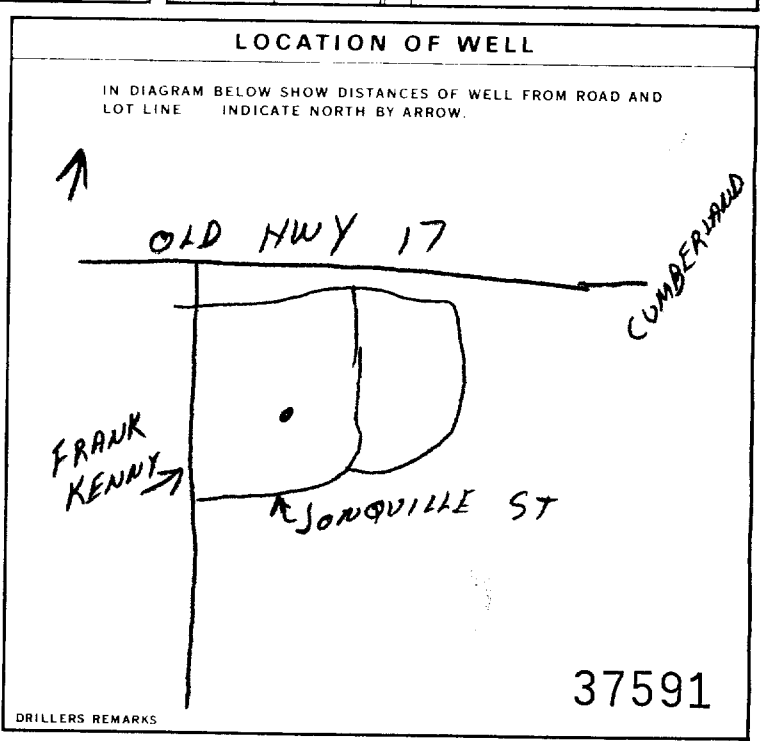
**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	26 GPM	1 HOURS 30 MINS

STATIC LEVEL: 23 FEET  
 WATER LEVEL END OF PUMPING: 218 FEET  
 WATER LEVELS DURING: 15 MINUTES: 218 FEET, 30 MINUTES: 200 FEET, 45 MINUTES: 218 FEET  
 PUMP INTAKE SET AT: 218 FEET  
 RECOMMENDED PUMP TYPE:  DEEP  
 RECOMMENDED PUMP SETTING: 218 FEET  
 RECOMMENDED PUMPING RATE: 2 GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY 8  ABANDONED, INSUFFICIENT SUPPLY  
 2  OBSERVATION WELL 9  ABANDONED POOR QUALITY  
 3  TEST HOLE 7  UNFINISHED  
 4  RECHARGE WELL 9  DEWATERING

**WATER USE**

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

**METHOD OF CONSTRUCTION**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: GENIER WELL DRILLING  
 WELL CONTRACTOR'S LICENCE NUMBER: 2351  
 ADDRESS: BOX A-7 CASSELMAN, ONT KOA-1MO  
 NAME OF WELL TECHNICIAN: YVON GENIER  
 WELL TECHNICIAN'S LICENCE NUMBER: T-0389  
 SIGNATURE OF TECHNICIAN/CONTRACTOR: Yvon Genier  
 SUBMISSION DATE: DAY 12 MO 4 YR 89

**OFFICE USE ONLY**

DATA SOURCE: 2351 CONTRACTOR: 2351 DATE RECEIVED: MAY 08 1989  
 DATE OF INSPECTION: INSPECTOR:  
 REMARKS:







# WATER WELL RECORD

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

11 1527663

MUNICIPALITY: 15011 Bloomington  
CONTRACT: 1527663

COUNTY OR DISTRICT: *Carleton Place* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Cumberland* CON. BLOCK, TRACT, SURVEY, ETC.: *Arbuckle St* LOT: *1241*  
DATE COMPLETED: DAY *2* MO *Dec* YR *93*

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>brown</i>	<i>fill</i>	<i>boulders</i>	<i>Hard</i>	<i>0</i>	<i>12</i>
<i>black</i>	<i>shale</i>		<i>Hard</i>	<i>12</i>	<i>180</i>

31  
32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER					
<i>165</i>	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>6 1/2</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC	<i>1.89</i>	<i>0</i>	<i>44</i>
<i>6 9/8</i>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		<i>44</i>	<i>180</i>

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

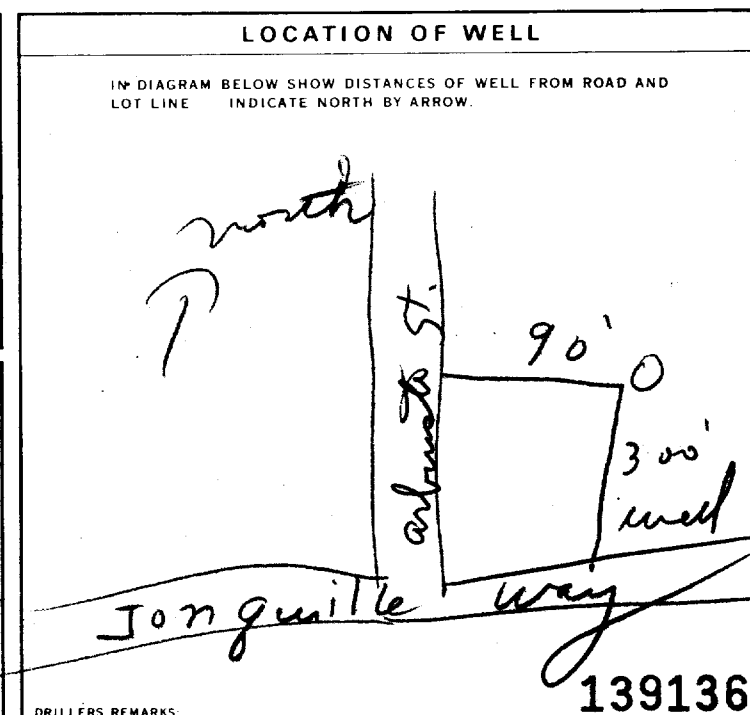
DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
<i>0</i>	<i>44</i>	<i>annular packer</i>
		<i>grout</i>

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	<i>2</i>	<i>1 1/2</i>

STATIC LEVEL FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING PUMPING			
<i>15</i>	<i>170</i>	<i>87</i>	<i>125</i>	<i>160</i>	<i>170</i>

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP  
RECOMMENDED PUMP SETTING: *168* FEET  
RECOMMENDED PUMPING RATE: *2* GPM



**FINAL STATUS OF WELL**

WATER SUPPLY  
 OBSERVATION WELL  
 TEST HOLE  
 RECHARGE WELL

**WATER USE**

DOMESTIC  
 STOCK  
 IRRIGATION  
 INDUSTRIAL  
 OTHER

**METHOD OF CONSTRUCTION**

CABLE TOOL  
 ROTARY (CONVENTIONAL)  
 ROTARY (REVERSE)  
 ROTARY (AIR)  
 AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *Gilles Bourgeois*  
ADDRESS: *St A 10th ave*  
WELL CONTRACTOR'S LICENCE NUMBER: *1414*

NAME OF WELL TECHNICIAN: *S Am*  
WELL TECHNICIAN'S LICENCE NUMBER:  
SIGNATURE OF TECHNICIAN/CONTRACTOR: *Gilles Bourgeois*  
SUBMISSION DATE: DAY *2* MO *Dec* YR *93*

**OFFICE USE ONLY**

DATA SOURCE: **1414** CONTRACTOR: **1414** DATE RECEIVED: **FEB 01 1994**

DATE OF INSPECTION: INSPECTOR:  
REMARKS:

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

11 1527663

MUNICIPALITY: *Blue Mountain* CON. DISTRICT: *Kenilworth*

COUNTY OR DISTRICT: *Ottawa Carleton Cumberland*  
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Cumberland*  
ADDRESS: *Cumberland*  
DATE COMPLETED: DAY *2* MO *Dec* YR *93*

21 ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>brown</i>	<i>fill</i>	<i>boulders</i>	<i>Hard</i>	<i>0</i>	<i>12</i>
<i>black</i>	<i>shale</i>		<i>Hard</i>	<i>12</i>	<i>180</i>

31 32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<i>165</i>	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>6 1/2</i>	<i>STEEL</i>	<i>1.84</i>	<i>0</i>	<i>44</i>
<i>6 7/8</i>	<i>STEEL</i>		<i>44</i>	<i>180</i>

**SCREEN**

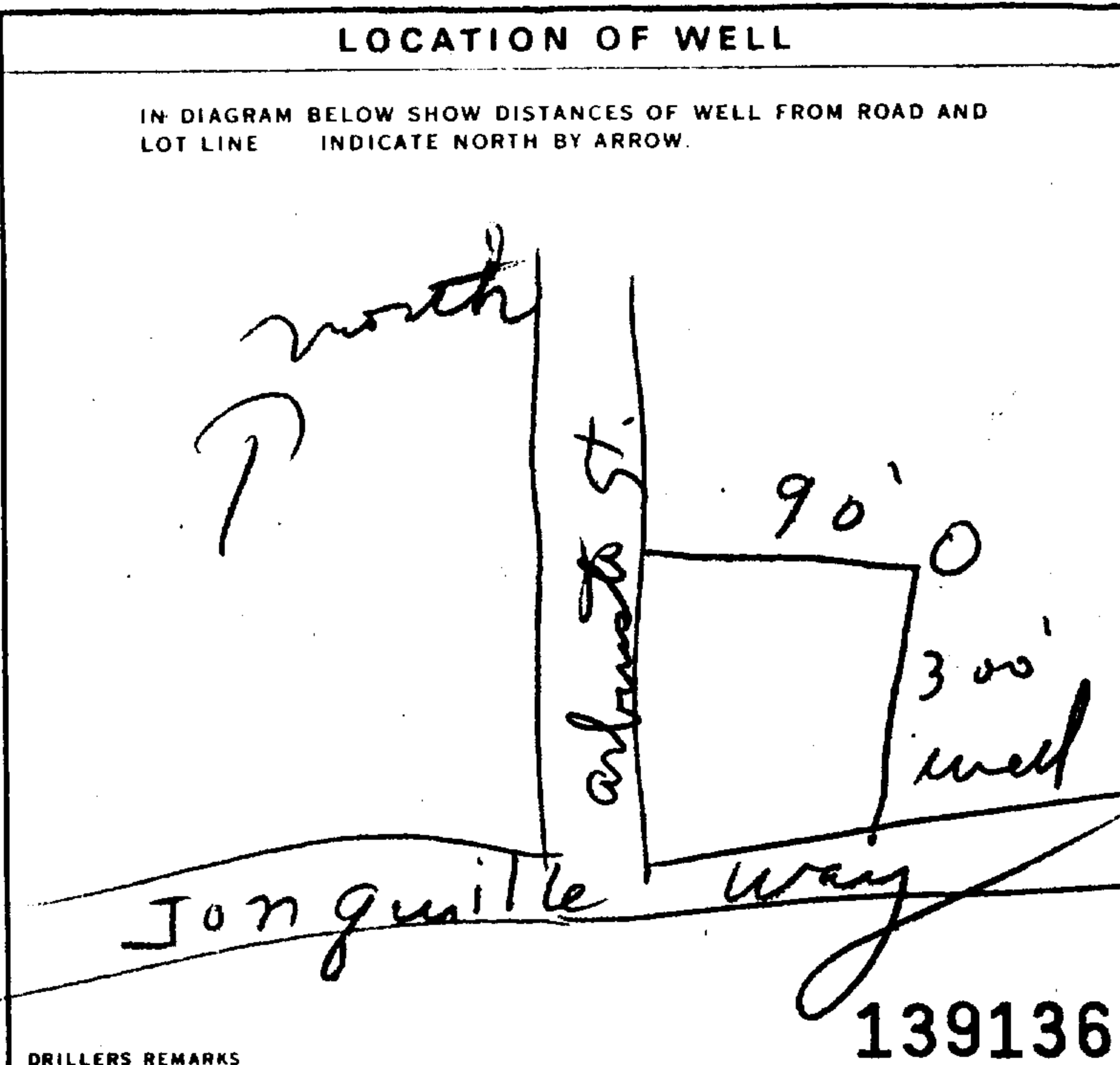
SIZE/ST OF OPENING (SLOT NO)	DIAMETER INCHES	LENGTH FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT FEET	MATERIAL AND TYPE
<i>0</i>	<i>Cement Prawn</i>
<i>44</i>	<i>grout</i>

**71 PUMPING TEST**

PUMPING TEST METHOD:  PUMP  BAILER  
 PUMPING RATE: *2* GPM  
 DURATION OF PUMPING: *1* HOUR *0* MINS  
 STATIC LEVEL: *15* FEET  
 WATER LEVEL END OF PUMPING: *170* FEET  
 WATER LEVELS DURING PUMPING:  
 15 MINUTES: *87* FEET  
 30 MINUTES: *125* FEET  
 45 MINUTES: *160* FEET  
 60 MINUTES: *170* FEET  
 PUMP INTAKE SET AT: *168* FEET  
 WATER AT END OF TEST: *2* FEET  
 RECOMMENDED PUMP TYPE:  SHALLOW  DEEP  
 RECOMMENDED PUMP SETTING: *168* FEET  
 RECOMMENDED PUMPING RATE: *2* GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

DOMESTIC  
 STOCK  
 IRRIGATION  
 INDUSTRIAL  
 OTHER

**METHOD OF CONSTRUCTION**

CABLE TOOL  
 ROTARY (CONVENTIONAL)  
 ROTARY (REVERSE)  
 ROTARY (AIR)  
 AIR PERCUSSION  
 BORING  
 DIAMOND  
 JETTING  
 DRIVING  
 DIGGING  
 OTHER

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *Gilles Bourgeois*  
 WELL CONTRACTOR'S LICENCE NUMBER: *1414*  
 ADDRESS: *57 A 16th ave*  
 NAME OF WELL TECHNICIAN: *S Am*  
 WELL TECHNICIAN'S LICENCE NUMBER:  
 SIGNATURE OF TECHNICIAN/CONTRACTOR: *Gilles Bourgeois*  
 SUBMISSION DATE: DAY *2* MO *Dec* YR *93*

**OFFICE USE ONLY**

DATA SOURCE: *1414*  
 CONTRACTOR: *1414*  
 DATE RECEIVED: *FEB 01 1994*  
 DATE OF INSPECTION:  
 INSPECTOR:  
 REMARKS:  
*Casler*



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

11

1532723

15011  
Municipality Con.

Plan 50M-166

County or District: Ottawa-Carleton Township/Borough/City/Town/Village: Cumberland Con block tract survey, etc. Lot: 2

Address: Cumberland, Ont Date completed: 07 02 02

Basin Code: ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)					
General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
	clay			0	5 1/2
green-grey	limestone			5 1/2	260

31

32

**41 WATER RECORD**

Water found at - feet	Kind of water
10-13	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Salty
15-18	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Salty
20-23	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Salty
25-28	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Salty
30-33	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Salty

*DRY*

**51 CASING & OPEN HOLE RECORD**

Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
6 1/4	1 <input checked="" type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic	188	0	44
0 3/4	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input checked="" type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic		0	42
6	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input checked="" type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic		42	260

**SCREEN**

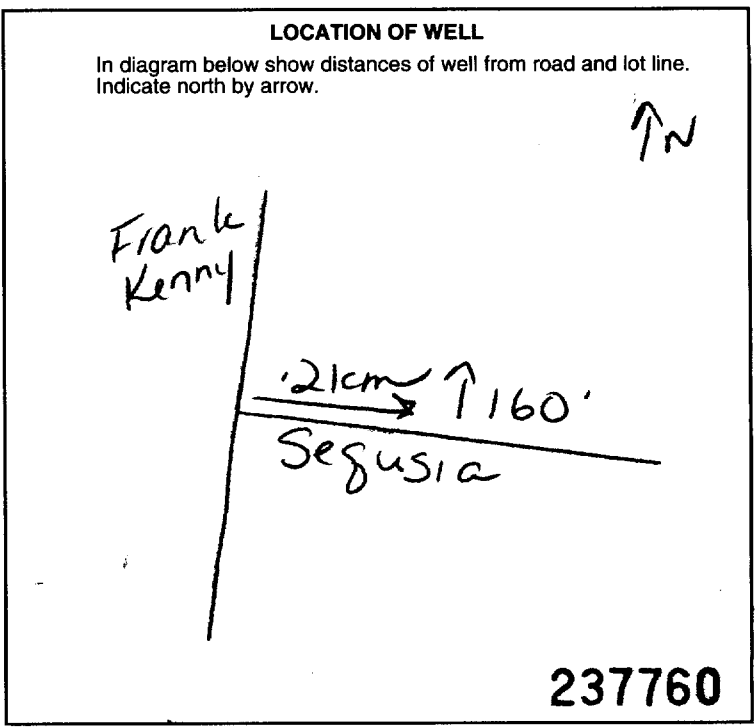
Sizes of opening (Slot No.)	Diameter inches	Length feet
Material and type		Depth at top of screen feet

**61 PLUGGING & SEALING RECORD**

Depth set at - feet		Material and type (Cement grout, bentonite, etc.)
From	To	
2 1/4	14-17	Cement grout
18-21	22-25	
26-29	30-33	

**71 PUMPING TEST**

Pumping test method	Pumping rate GPM	Duration of pumping Hours Mins
1 <input type="checkbox"/> Pump 2 <input type="checkbox"/> Bailer		
Static level: 19-21 feet	Water level end of pumping: 22-24 feet	Water levels during pumping: 15 minutes (25-28 feet), 30 minutes (29-31 feet), 45 minutes (32-34 feet), 60 minutes (35-37 feet)
If flowing give rate: 38-41 GPM	Pump intake set at: 42 feet	Water at end of test: <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy
Recommended pump type: <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	Recommended pump setting: 43-45 feet	Recommended pump rate: 46-49 GPM



**FINAL STATUS OF WELL**

1 <input checked="" type="checkbox"/> Water supply	5 <input type="checkbox"/> Abandoned, insufficient supply	9 <input type="checkbox"/> Unfinished
2 <input type="checkbox"/> Observation well	6 <input type="checkbox"/> Abandoned, poor quality	10 <input type="checkbox"/> Replacement well
3 <input type="checkbox"/> Test hole	7 <input type="checkbox"/> Abandoned (Other)	
4 <input type="checkbox"/> Recharge well	8 <input type="checkbox"/> Dewatering	

**WATER USE**

1 <input checked="" type="checkbox"/> Domestic	5 <input type="checkbox"/> Commercial	9 <input type="checkbox"/> Not use
2 <input type="checkbox"/> Stock	6 <input type="checkbox"/> Municipal	10 <input type="checkbox"/> Other
3 <input type="checkbox"/> Irrigation	7 <input type="checkbox"/> Public supply	
4 <input type="checkbox"/> Industrial	8 <input type="checkbox"/> Cooling & air conditioning	

**METHOD OF CONSTRUCTION**

1 <input type="checkbox"/> Cable tool	5 <input checked="" type="checkbox"/> Air percussion	9 <input type="checkbox"/> Driving
2 <input type="checkbox"/> Rotary (conventional)	6 <input type="checkbox"/> Boring	10 <input type="checkbox"/> Digging
3 <input type="checkbox"/> Rotary (reverse)	7 <input type="checkbox"/> Diamond	11 <input type="checkbox"/> Other
4 <input type="checkbox"/> Rotary (air)	8 <input type="checkbox"/> Jetting	

Name of Well Contractor: Arkol Drilling Ltd Well Contractor's Licence No.: 1119

Address: RR#2 Jasper, Ont

Name of Well Technician: Shannon Purcell Well Technician's Licence No.: 12122

Signature of Technician/Contractor: Kenny Submission date: 28 7 02

**MINISTRY USE ONLY**

Data source: <u>1119</u>	Contractor: <u>1119</u>	Date received: <u>APR 16 2002</u>
Date of inspection:	Inspector:	
Remarks: <u>CSS.ES2</u>		



**Well Location**

Address of Well Location (Street Number/Name) <b>1120 Ted Kelly hwy</b>		Township <b>Cumberland.</b>	Lot <b>25</b>	Concession <b>1</b>
County/District/Municipality <b>OTTAWA-city</b>		City/Town/Village <b>OTTAWA</b>	Province <b>Ontario</b>	Postal Code <b>K1C1A7</b>
UTM Coordinates NAD 83	Zone <b>18</b>	Easting <b>464419</b>	Northing <b>5030991</b>	Municipal Plan and Sublot Number <b>50R 1299</b>

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Top Soil	Cravel-SHAW	loose.	0	3.64
Grey	limestone.		Hard.	3.64	100

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
6.06 0	Cement bunts # 30	120 kg

Method of Construction	Well Use
<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input checked="" type="checkbox"/> Rotary (Reverse) <b>AIR</b> <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify	<input type="checkbox"/> Public <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
15.86	Steel	0.48	0.45 6.66	

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

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
6.18	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
		0 6.66	15.86
		6.66 100	15.55

Well Contractor and Well Technician Information	
Business Name of Well Contractor <b>D&amp;R WATER-well-Drillings</b>	Well Contractor's Licence No. <b>60006</b>
Business Address (Street Number/Name) <b>1763 Route 900 west</b>	Municipality <b>NATION</b>
Province <b>ON</b>	Postal Code <b>K0A3C0</b>

Bus. Telephone No. (inc. area code) <b>613987-5598</b>	Name of Well Technician (Last Name, First Name) <b>Desnoyers Louis</b>
Well Technician's Licence No. <b>T625</b>	Signature of Technician and/or Contractor <b>Louis Desnoyers</b>
	Date Submitted <b>2010 07 15</b>

Results of Well Yield Testing				
After test of well yield, water was: <input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level	27.84		54.55
	1	30.04	1	54.46
	2	32.94	2	54.37
	3	36.80	3	54.28
	4	39.12	4	54.20
	5	42.08	5	53.70
Pump intake set at (m/ft) <b>54.55</b>				
Pumping rate (l/min / GPM) <b>13.50</b>				
Duration of pumping hrs + <b>27</b> min				
Final water level end of pumping (m/ft) <b>54.55</b>	10	45.16	10	53.75
If flowing give rate (l/min / GPM)	15	48.18	15	52.70
	20	51.23	20	52.25
	25	54.02	25	51.95
	30	54.55	30	51.70
	40		40	51.10
	50		50	50.92
Recommended pump depth (m/ft) <b>98.48</b>				
Recommended pump rate (l/min / GPM) <b>22.75</b>				
Well production (l/min / GPM) <b>0.38 GPM</b>				
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	60		60	50.78

Map of Well Location	
Please provide a map below following instructions on the back.	
<p>53 metric →</p> <p>Frank-Kenny Rd Ted-kelly hwy</p> <p>old Mowtrench Rd.</p>	
Comments:	

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
<input checked="" type="checkbox"/> Yes	2010 06 30	Audit No. <b>2117697</b>
<input type="checkbox"/> No	2010 06 30	Date Work Completed
		<b>AUG 10 2010</b>



Ontario is now in Step Three of the [Roadmap to Reopen \(/page/reopening-ontario\)](/page/reopening-ontario). Follow the [restrictions and public health measures \(https://covid-19.ontario.ca/public-health-measures\)](https://covid-19.ontario.ca/public-health-measures).



## Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue \(https://data.ontario.ca/dataset/well-records\)](https://data.ontario.ca/dataset/well-records).

---

[Go Back to Map \(\)](#)

### Well ID

Well ID Number: 7207986

Well Audit Number: Z163962

Well Tag Number: A148052

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	1400 OLD MONTREAL ROAD
--------------------------	------------------------

<b>Township</b>	CUMBERLAND TOWNSHIP
<b>Lot</b>	025
<b>Concession</b>	OF
<b>County/District/Municipality</b>	OTTAWA-CARLETON
<b>City/Town/Village</b>	Ottawa
<b>Province</b>	ON
<b>Postal Code</b>	n/a
<b>UTM Coordinates</b>	NAD83 — Zone 18 Easting: 464665.00 Northing: 5038180.00
<b>Municipal Plan and Sublot Number</b>	
<b>Other</b>	

## Overburden and Bedrock Materials Interval

<b>General Colour</b>	<b>Most Common Material</b>	<b>Other Materials</b>	<b>General Description</b>	<b>Depth From</b>	<b>Depth To</b>
GREY	LMSN	ROCK		0 m	8.74 m

## Annular Space/Abandonment Sealing Record

<b>Depth From</b>	<b>Depth To</b>	<b>Type of Sealant Used (Material and Type)</b>	<b>Volume Placed</b>
0 m	5.8 m	BENTONITE	

## Method of Construction & Well Use



Method of Construction	Well Use

## Status of Well

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.08 cm	PLASTIC	0 m	7.1 m

### Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
5.8 cm	PLASTIC	7.1 m	8.74 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7328

## Results of Well Yield Testing

<b>After test of well yield, water was</b>
<b>If pumping discontinued, give reason</b>

<b>Pump intake set at</b>
<b>Pumping Rate</b>
<b>Duration of Pumping</b>
<b>Final water level</b>
<b>If flowing give rate</b>
<b>Recommended pump depth</b>
<b>Recommended pump rate</b>
<b>Well Production</b>
<b>Disinfected?</b>

## Draw Down & Recovery

<b>Draw Down Time(min)</b>	<b>Draw Down Water level</b>	<b>Recovery Time(min)</b>	<b>Recovery Water level</b>
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	

30	30
40	40
45	45
50	50
60	60

## Water Details

Water Found at Depth	Kind
7.35 m	

## Hole Diameter

Depth From	Depth To	Diameter
0 m	8.74 m	20.3 cm

**Audit Number:** Z163962

**Date Well Completed:** November 02, 2012

**Date Well Record Received by MOE:** September 17, 2013

Updated: July 21, 2021

## Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

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UTM | 18 | 2 | 4164 | 31310 | E  
 9 | R | 51038 | 81215 | N  
 Elev. 9  
 Conc. 10 2 4 15 12  
 Basin 2 5 4



1513109

56 No. 754

RECEIVED  
 APR - 3 1952  
 GEOLOGICAL BRANCH  
 DEPARTMENT of MINES

The Well Drillers Act  
 Department of Mines, Province of Ontario

# Water Well Record

↑ ~~Road crossing~~  
 QF. Cont. lot 24  
 Township, Village, Town or City... Cumberland  
 Town or City).....  
 s..... Cumberland Ont.  
 Date Completed... 12 / 12 / 52 Cost of well (excluding pump).....

## Pipe and Casing Record

## Pumping Test

Casing diameter(s)..... <u>4"</u>	Date... <u>Feb. 12</u>
Length(s) of casing(s)..... <u>20'</u>	Static level... <u>14 feet</u>
Type of screen.....	Pumping level... <u>14 feet</u>
Length of screen.....	Pumping rate... <u>2.00 gals</u>
Distance from top of screen to ground level.....	Duration of test... <u>1/2 test</u>
Is well a gravel-wall type?.....	Distance from cylinder or bowls to ground level.....

## Water Record

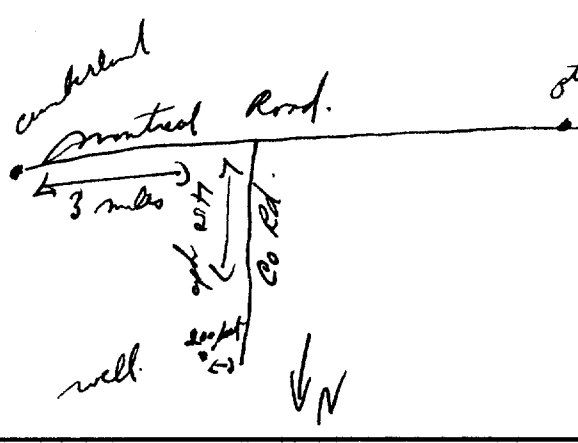
Kind (fresh or mineral).....	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<u>fresh</u>	<u>92'</u>	<u>fresh</u>	<u>78 feet</u>
Quality (hard, soft, contains iron, sulphur, etc.)..... <u>hard</u>			
Appearance (clear, cloudy, coloured)..... <u>clear</u>			
For what purpose(s) is the water to be used?..... <u>domestic</u>			
How far is well from possible source of contamination?..... <u>75 feet</u>			
What is the source of contamination?..... <u>septic tank</u>			
Enclose a copy of any mineral analysis that has been made of water.....			

## Well Log

Overburden and Bedrock Record	From	To
	0 ft.	...ft.
	<u>-1</u>	<u>20</u>
<u>1 to 20 feet sandstone</u>		
<u>20 to 92 feet Black limestone</u>	<u>20</u>	<u>92</u>

## Location of Well

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



Situation: Is well on upland, in valley, or on hillside?..... level  
 Drilling Firm... Gordon & McMillan  
 Address... 488 Mac Lane st  
 Name of Driller... Mr. Moses Perand Address... 427 Clarence  
 Date... Feb 12/52 Licence Number.....  
 Signature of Licensee... Gordon & McMillan per Mr. M. P.

Ontario is now in Step Three of the [Roadmap to Reopen \(/page/reopening-ontario\)](/page/reopening-ontario). Follow the [restrictions and public health measures \(https://covid-19.ontario.ca/public-health-measures\)](https://covid-19.ontario.ca/public-health-measures).



## Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue \(https://data.ontario.ca/dataset/well-records\)](https://data.ontario.ca/dataset/well-records).

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[Go Back to Map \(\)](#)

### Well ID

Well ID Number: 7207987

Well Audit Number: Z164003

Well Tag Number: A148052

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location
1400 OLD MONTREAL RD

<b>Township</b>	CUMBERLAND TOWNSHIP
<b>Lot</b>	025
<b>Concession</b>	OF
<b>County/District/Municipality</b>	OTTAWA-CARLETON
<b>City/Town/Village</b>	Ottawa
<b>Province</b>	ON
<b>Postal Code</b>	n/a
<b>UTM Coordinates</b>	NAD83 — Zone 18 Easting: 464589.00 Northing: 5038158.00
<b>Municipal Plan and Sublot Number</b>	
<b>Other</b>	

## Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	LMSN	ROCK		0 m	10.39 m

## Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	6.2 m	BENTONITE	

## Method of Construction & Well Use

Method of Construction	Well Use
H.S.A.	
	Monitoring

## Status of Well

Observation Wells

## Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.08 cm	PLASTIC	0 m	7.1 m

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
5.8 cm	PLASTIC	7.1 m	10.39 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7328

## Results of Well Yield Testing

After test of well yield, water was



**If pumping discontinued, give reason**

**Pump intake set at**

**Pumping Rate**

**Duration of Pumping**

**Final water level**

**If flowing give rate**

**Recommended pump depth**

**Recommended pump rate**

**Well Production**

**Disinfected?**

## Draw Down & Recovery

<b>Draw Down Time(min)</b>	<b>Draw Down Water level</b>	<b>Recovery Time(min)</b>	<b>Recovery Water level</b>
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25	25
30	30
40	40
45	45
50	50
60	60

## Water Details

Water Found at Depth	Kind
7.17 m	

## Hole Diameter

Depth From	Depth To	Diameter
0 m	10.39 m	20.3 cm

**Audit Number:** Z164003

**Date Well Completed:** November 02, 2012

**Date Well Record Received by MOE:** September 17, 2013

Updated: July 21, 2021  
Published: April 16, 2021

## Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

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UTM 182 464520 E

5R 510386910 N

Elev. 5R 031010

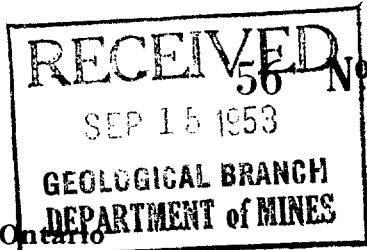
Basin 24

O.F. Con I Rot 24



ONTARIO

The Well Drillers Act  
Department of Mines, Province of Ontario



755

1513110

# Water Well Record

County or District Russell Tp. Cumberland Cont. 7 Lot. 24 Pt. Lot. 3  
Edwards Cumberland Acres             
(including pump)           

## Type and Casing Record

## Pumping Test

Casing diameter(s) <u>5"</u>	Date <u>          </u>
Length(s) of casing(s) <u>9</u>	Developed Capacity <u>          </u>
Length of screen <u>          </u>	Duration of Test <u>3 hr</u>
Type of screen <u>          </u>	Pumping Rate <u>250</u>
Type of pump <u>          </u>	Drawdown <u>3.5</u>
Capacity of pump <u>          </u>	Static level of completed well <u>1.1 fut</u>
Depth of pump setting <u>          </u>	Is well a gravel-wall type? <u>          </u>

## Water Record

Kind (fresh or mineral) <u>fresh</u>	Depth(s) to Water Horizon(s) <u>90'</u>	Kind of Water <u>          </u>	No. of Feet Water Rises <u>79</u>
Quality (hard, soft, contains iron, sulphur etc.) <u>hard</u>			
Appearance (clear, cloudy, coloured) <u>clear</u>			
For what purpose(s) is the water to be used? <u>home</u>			
How far is well from possible source of contamination? <u>10 fut</u>			
What is source of contamination? <u>septic</u>			
Enclose a copy of any mineral analysis that has been made of water <u>          </u>			

## Well Log

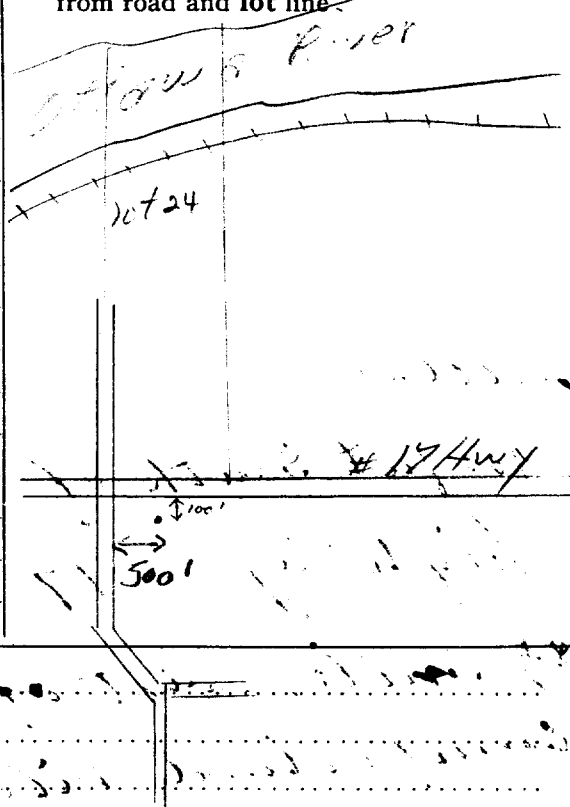
### Drift and Bedrock Record

From	To
0 ft.	ft.
<u>1</u>	<u>5</u>
	<u>90</u>

Blue clay  
gray limestone

## Location of Well

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



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

Drilling Firm W. B. Cherry

Address           

Recorded by            Address           

Date Sept 14 Licence Number 365

UTM 182 464440 E  
 19R 51038625 N  
 Elev. 19R 0280



1513111

56 No 328

RECEIVED  
 APR - 3 1952  
 GEOLOGICAL BRANCH  
 DEPARTMENT OF MINES

The Well Drillers Act  
 Department of Mines, Province of Ontario

Basin 25  
 O.F. Cont Rpt 24

# Water Well Record

Township, Village, Town or City... *319/11W Cumberland Ont*  
 Town or City).....  
 .....

Date Completed... *Feb 7 1952* (day) (month) (year) Cost of Well (excluding pump).....

## Pipe and Casing Record

## Pumping Test

Casing diameter(s)..... <i>4"</i>	Date..... <i>Feb 7 1952</i>
Length(s) of casing(s)..... <i>20'</i>	Static level... <i>1.2 feet</i>
Type of screen.....	Pumping level... <i>1.5 feet</i>
Length of screen.....	Pumping rate... <i>200 gals</i>
Distance from top of screen to ground level.....	Duration of test... <i>1/2 hr</i>
Is well a gravel-wall type?.....	Distance from cylinder or bowls to ground level.....

## Water Record

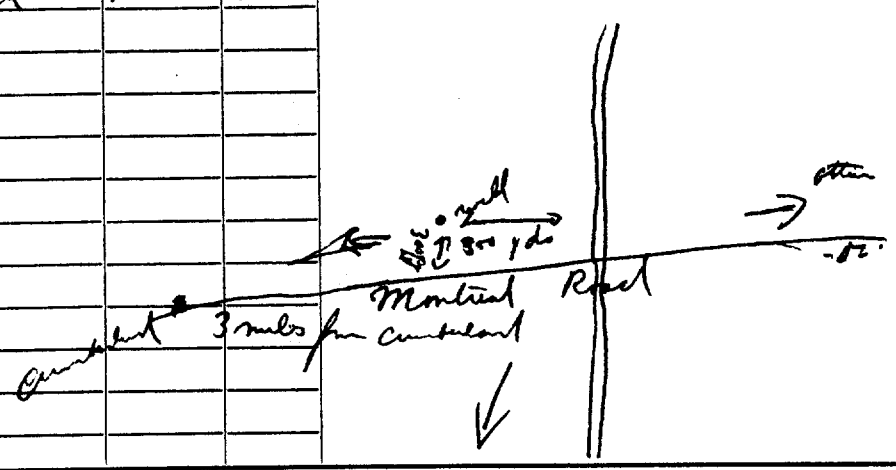
Kind (fresh or mineral).....	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<i>fresh</i>	<i>81'</i>	<i>fresh</i>	<i>69 feet</i>
Quality (hard, soft, contains iron, sulphur, etc.)..... <i>hard</i>			
Appearance (clear, cloudy, coloured)..... <i>clear</i>			
For what purpose(s) is the water to be used?..... <i>Domestic</i>			
How far is well from possible source of contamination?.....			
What is the source of contamination?.....			
Enclose a copy of any mineral analysis that has been made of water.....			

## Well Log

Overburden and Bedrock Record	From	To
	0 ft.	...ft.
<i>1 - 12 feet Clay</i>	<i>1 -</i>	<i>12</i>
<i>12 - 81 feet sandstone with</i>	<i>12 -</i>	<i>81</i>

## Location of Well

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



Situation: Is well on upland, in valley, or on hillside?..... *level*  
 Drilling Firm..... *Gordon & Mulvey*  
 Address..... *488 Mac Lary st*  
 Name of Driller..... *Moss* *Renard* Address..... *427 clawn st*  
 Date..... *March 21 / 52* Licence Number.....  
 Signature of Licensee..... *Gordon & Mulvey Per MR*

UTM 182464510E  
 5R 503871010N  
 Elev. 5R 03010  
 Basin 25



1513113

GROUND WATER No 757  
 AUG 15 1960  
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

# WATER WELL RECORD

O.F. Con I Rot 24  
 County or District Russell Township, Village, Town or City Cumberland  
 Con. 10 E. Lot EAST PT 24 Date completed 30 6 60  
 (day month year)  
 Owner [REDACTED] Address Cumberland, Ontario

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 4 inches  
 Total length of casing 23 feet  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 4 inches

Static level 16 feet  
 Test-pumping rate 8 G.P.M.  
 Pumping level 130 feet  
 Duration of test pumping 1 hour  
 Water clear or cloudy at end of test clear  
 Recommended pumping rate 3 G.P.M.  
 with pumping level of 50

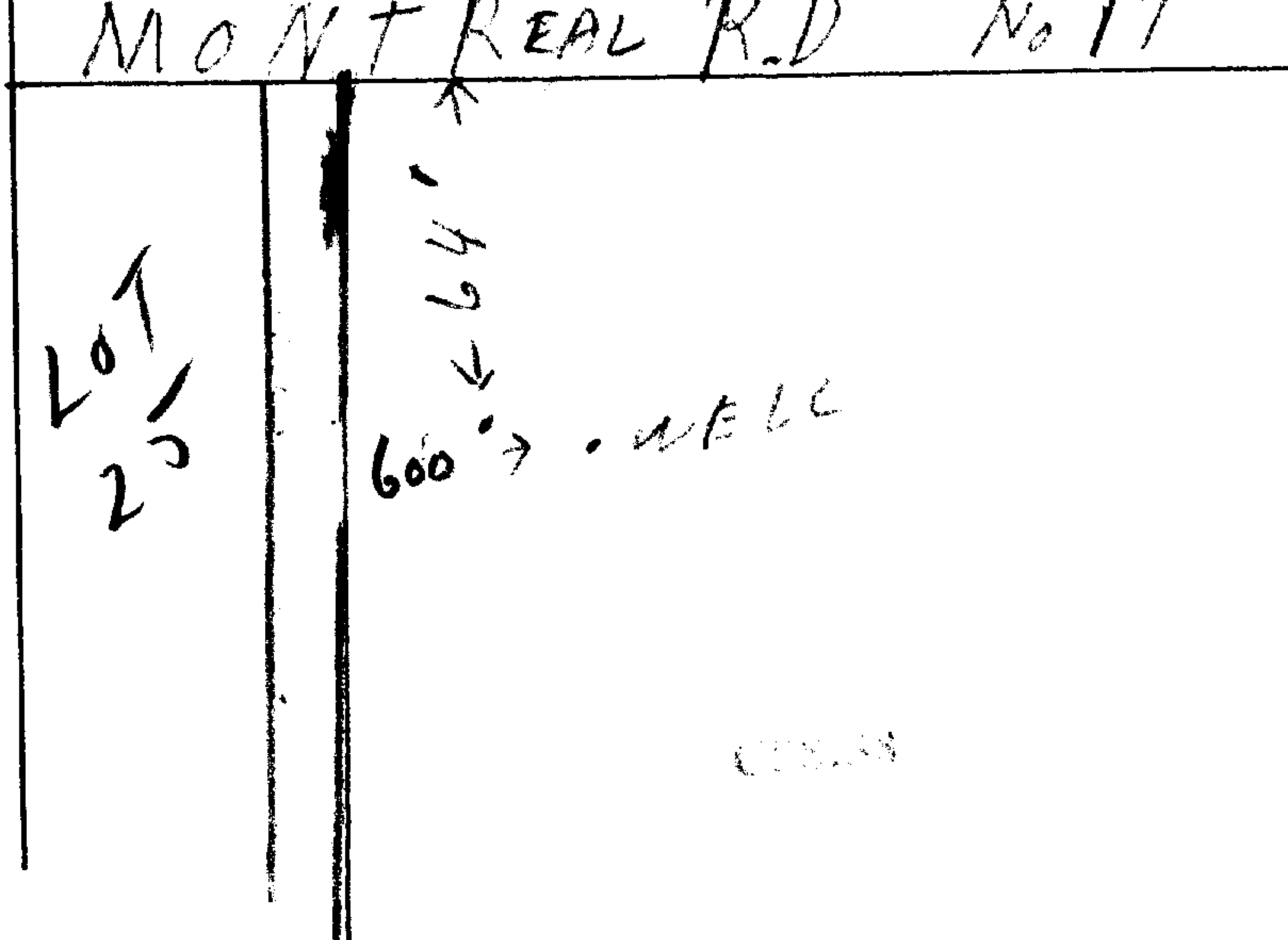
## Well Log

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Loam	0	3	130	114	fresh
Limestone rock	3	130			

For what purpose(s) is the water to be used?  
Domestic  
 Is well on upland, in valley, or on hillside?  
uplands  
 Drilling Firm T. H. Adams  
 Address r.r. #6 Ottawa  
 Licence Number 450  
 Name of Driller  
 Address THE SAME  
 Date August 8, 1960.  
Thos H Adams  
 (Signature of Licensed Drilling Contractor)

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







5601228

31 G  
11 W

GROUND WATER BRANCH  
AUG 15 1961  
ONTARIO WATER  
RESOURCES COMMISSION  
Cumberland and

# The Ontario Water Resources Commission Act WATER WELL RECORD

County or District Russell Township, Village, Town or City Cumberland and  
Con. lot, from Ottawa R. Lot S. 1 lot 25 Date completed August 1st, 1961  
(day month year) 15 13 125  
Address Cumberland, Ont.

### Casing and Screen Record

Inside diameter of casing 2"  
Total length of casing 25'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 2"

### Pumping Test

Static level 75'  
Test-pumping rate 3 G.P.M.  
Pumping level 85'  
Duration of test pumping 3 hrs.  
Water clear or cloudy at end of test clear  
Recommended pumping rate 3 G.P.M.  
with pump setting of 85' feet below ground surface

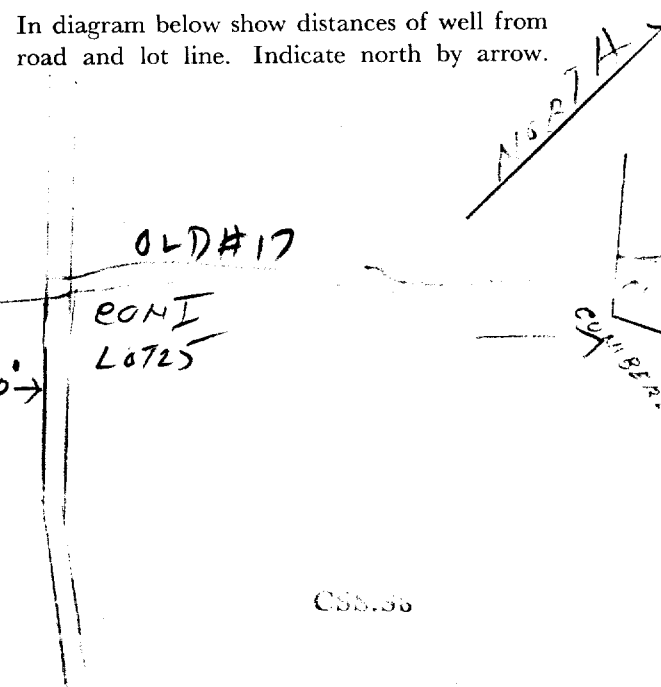
### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>holders &amp; gravel</u>	<u>0</u>	<u>10</u>	<u>210'</u>	<u>fresh</u>
<u>grey limestone</u>	<u>10</u>	<u>210</u>		

For what purpose(s) is the water to be used? domestic  
Is well on upland, in valley, or on hillside? upland  
Drilling or Boring Firm G. CHARBONNEAU  
DIAMOND DRILLER - ARTESIAN WELLS  
MODERN HOME BUILDERS  
Address ORLEANS, ONT.  
R.R. 1 Navan 9R - 25  
Licence Number 224  
Name of Driller or Borer G. Charbonneau  
Address R. R. # 1, Orleans, Ont.  
Date August 1st, 1961  
G. Charbonneau  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well





# WATER WELL RECORD

Water management in Ontario

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

11

5601286

MUNICIP. 56003

CON. OF 01

COUNTY OR DISTRICT: **Carleton Place** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON., BLOCK, TRACT, SURVEY, ETC.: **1st. from Ottawa R.** LOT: **025**

DATE COMPLETED: DAY **04** MO **05** YR **70**

LOCATION: **Cumberland, Ont.**

DEPTH: **038890** (24) **14** (25) **0275** (26) **15** (30) **25** (31)

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
grey	clay			0	8
black	muck			8	12
blue	clay & bolders			12	70
grey	limestone		<b>1513128</b>	70	85

31 **008895** | **0012803** | **007031513** | **0085215**

32

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	<input checked="" type="checkbox"/> STEEL	188	0	72
17-18	<input type="checkbox"/> STEEL			20-23
24-25	<input type="checkbox"/> STEEL			27-30

#### SCREEN

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

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	
18-21	
26-29	

#### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	0006 GPM.	02 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
010 FEET	050 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		025 FEET	035 FEET	045 FEET	045 FEET

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM.

PUMP INTAKE SET AT: 50 FEET

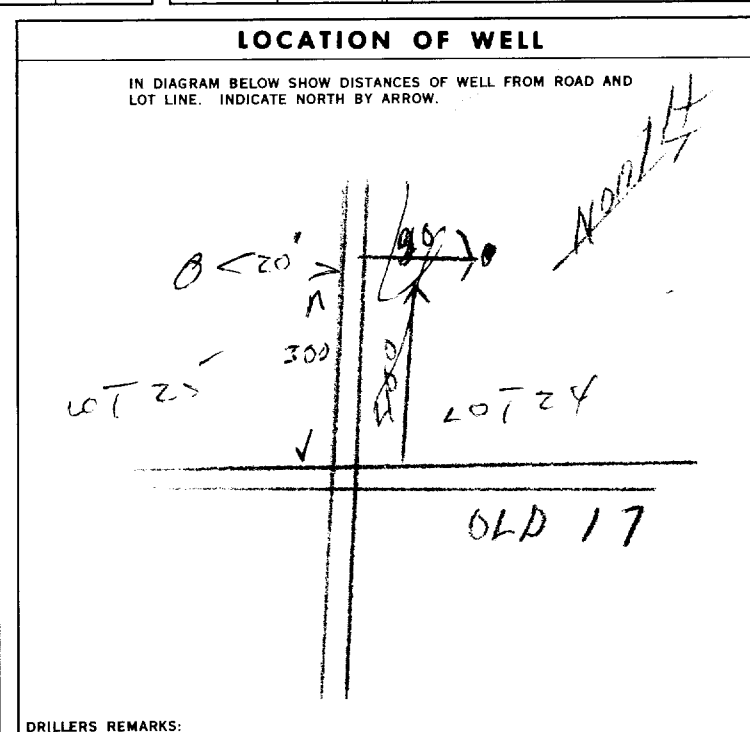
WATER AT END OF TEST:  CLEAR  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 070 FEET

RECOMMENDED PUMPING RATE: 0006 GPM.

50-53: 000.2 GPM./FT. SPECIFIC CAPACITY



#### FINAL STATUS OF WELL

WATER SUPPLY

#### WATER USE

01  DOMESTIC

#### METHOD OF DRILLING

CABLE TOOL

#### CONTRACTOR

NAME OF WELL CONTRACTOR: **G. Charbonneau, Diamond & Cable Drilling, 1504 R. R. 2, 194, Orleans, Ont.**

NAME OF DRILLER OR BORER: **J. C. Piché**

SIGNATURE OF CONTRACTOR: *G. Charbonneau*

SUBMISSION DATE: DAY **4** MO **5** YR **70**

#### OFFICE USE ONLY

DATA SOURCE: **1**

CONTRACTOR: **1504**

DATE RECEIVED: **230271**

REMARKS:





Ontario

# WATER WELL RECORD

319/11d

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

11

1513951

MUNICIP. 1501/11

CON. CAR

1011

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON., BLOCK, TRACT, SURVEY ETC.: **1501/11** LOT: **025**

DATE COMPLETED: DAY **10** MO **07** YR **73**

WELL NO. **038810** RC **16** ELEVATION **10275** RC **4** BASIN CODE **25**

WELL LOCATION: **in Bella Vista, Cumberland, Ont.**

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	hardpan			0	4
brown	shale			4	12
brown slate				12	90
grey	limestone			90	150
brown	slate			150	220

31 **1609/16/11A** **16012/1/17** **1009/16/19** **0150215** **02206/19**

32

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0-220	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
0-6	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	221
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

#### SCREEN

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

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
FROM TO	(CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33

#### 71 PUMPING TEST

PUMPING TEST METHOD: 1  PUMP 2  BAILER

PUMPING RATE: **0010** GPM

DURATION OF PUMPING: 15-16 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
100 FEET	150 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		140 FEET	130 FEET	120 FEET	110 FEET

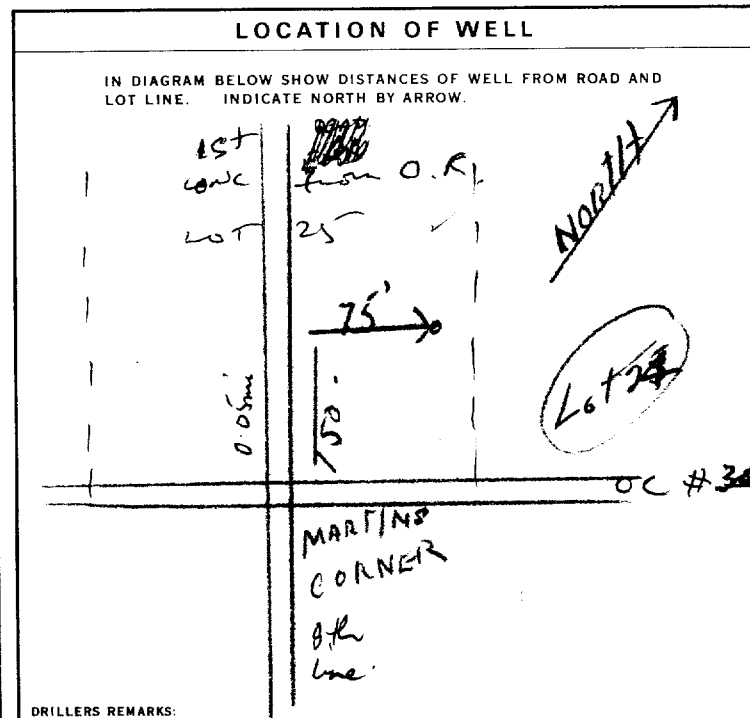
IF FLOWING GIVE RATE: **160** GPM

RECOMMENDED PUMP TYPE: 1  SHALLOW 2  DEEP

RECOMMENDED PUMP SETTING: **160** FEET

RECOMMENDED PUMPING RATE: **0010** GPM

50-53 **0022** GPM./FT. SPECIFIC CAPACITY



#### FINAL STATUS OF WELL

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

#### WATER USE

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

#### METHOD OF DRILLING

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

#### CONTRACTOR

NAME OF WELL CONTRACTOR: **G. Charbonneau, Diamond & Cable Drilling 1504** LICENCE NUMBER

ADDRESS: **R.R. 2, Box 194, Orleans, Ont.**

NAME OF DRILLER OR BORER: **Leo Bourgeois** LICENCE NUMBER

SIGNATURE OF CONTRACTOR: *Gerard Charbonneau* SUBMISSION DATE: DAY **10** MO **7** YR **73**

#### OFFICE USE ONLY

DATA SOURCE: **1504** CONTRACTOR: **1504** DATE RECEIVED: **7/10/73**

DATE OF INSPECTION: **7/10/73** INSPECTOR: **R**

REMARKS: **OC #34**

P **R**

WI

**RE: Records Search Request for PE2392**

Public Information Services &lt;publicinformationsservices@tssa.org&gt;

Thu 8/12/2021 12:19 PM

To: Mohammed Ramadan &lt;MRamadan@Patersongroup.ca&gt;

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

**NO RECORD FOUND**

Hello Mohammed,

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,

Mariah

**Public Information Agent**

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)[www.tssa.org](http://www.tssa.org)**From:**

Mohammed  
Ramadan  
<MRamadan  
@Patersongro  
up.ca>

**Sent:** August 11, 2021 11:25 PM**To:** Public Information Services <publicinformationsservices@tssa.org>**Subject:** Records Search Request for PE2392

**[CAUTION]:** This email originated outside the organisation.

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

Good Afternoon,

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

1296, 1400, 1222, 1208, 1422 Old Montreal Road

1398, 1508 Cox Country Road

1177 Watters Road



1212, 1240 Arbuste Avenue

Regards,  
Mohammed Ramadan, B.Sc

**patergroup**

**solution oriented engineering**

**over 60 years serving our clients**

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

Cell: (343) 998-8982

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File Number: D06-03-21-0158

December 20, 2021

Mohammed Ramadan  
Paterson Group  
154 Colonnade Road South  
Ottawa, ON K2E 7J5

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

Dear Mr. Ramadan,

**Re: Information Request  
1296 and 1400 Old Montreal Road, Ottawa, Ontario ("Subject Property")**

**Internal Department Circulation:**

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

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

**Documents Provided:**

**HLUI Summary Report and HLUI Map**

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

**Additional information may be obtained by contacting:**

**Ontario's Environmental Registry**

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

## **The Ontario Land Registry Office**

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

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

**Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.**

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

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

If you have any further questions or comments, please contact [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca).

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey Ren". The signature is fluid and cursive, with a horizontal line underlining the name.

Jeffrey Ren

Per:

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

MB / JR

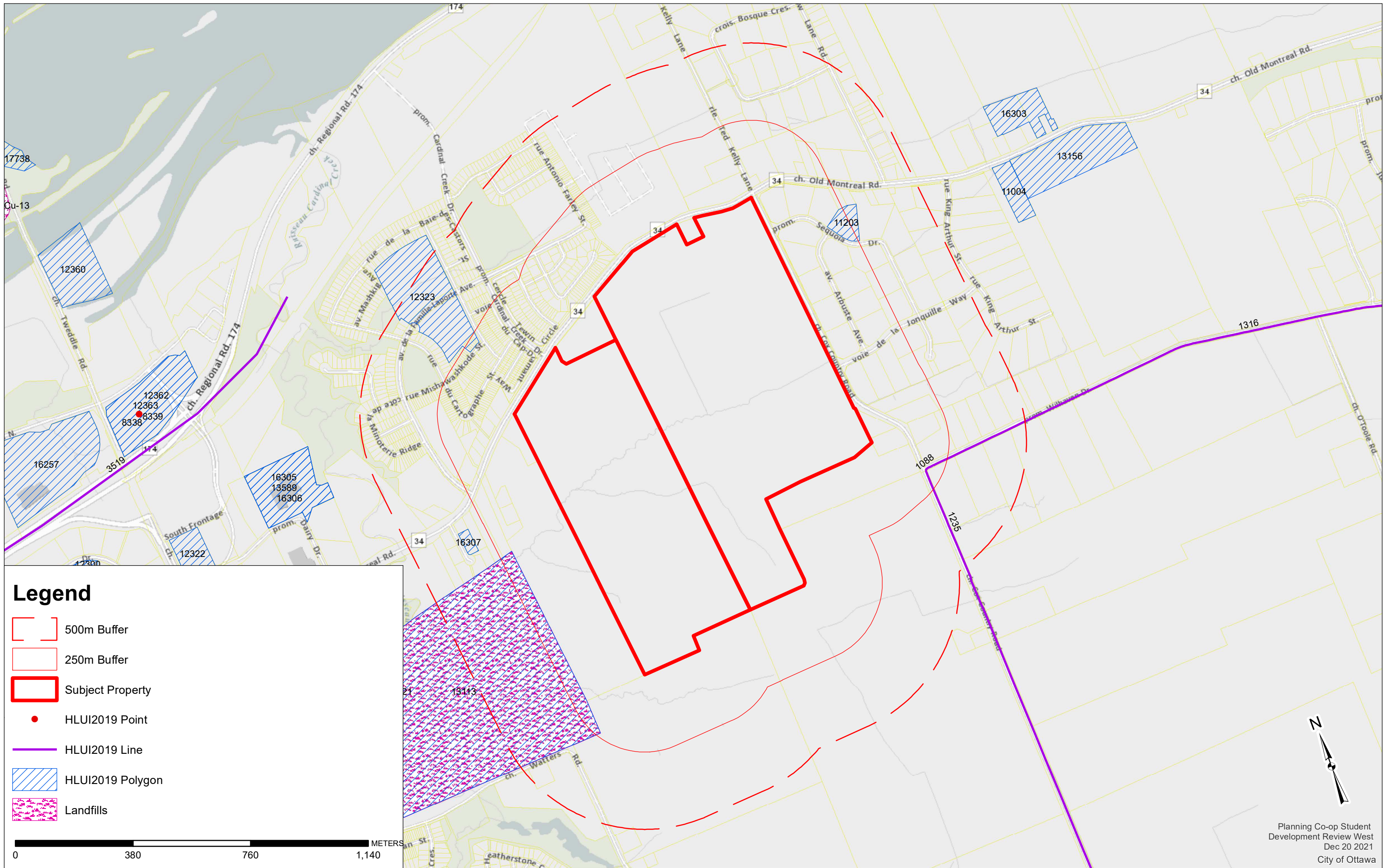
Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report








cc: File no. D06-03-21-0158



# HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



## Legend

-  500m Buffer
-  250m Buffer
-  Subject Property
-  HLUI2019 Point
-  HLUI2019 Line
-  HLUI2019 Polygon
-  Landfills

0 380 760 1,140 METERS







---

# DATABASE REPORT

**Project Property:** *Vacant Land On Montreal Road  
Old Montreal Road  
Ottawa ON K4A 3N6*

**Project No:** *PE2392*

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order No:** *21073001373*

**Requested by:** *Paterson Group Inc.*

**Date Completed:** *August 4, 2021*

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

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

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# Executive Summary

## **Property Information:**

**Project Property:** *Vacant Land On Montreal Road  
Old Montreal Road Ottawa ON K4A 3N6*

**Project No:** *PE2392*

## **Order Information:**

**Order No:** *21073001373*

**Date Requested:** *July 30, 2021*

**Requested by:** *Paterson Group Inc.*

**Report Type:** *Quote - Custom-Build Your Own Report*

## **Historical/Products:**

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	1	9	10
CA	<i>Certificates of Approval</i>	Y	1	0	1
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	1	0	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	1	5	6
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	1	1
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	4	32	36
<b>Total:</b>			8	48	56



## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	CA	McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON	WNW/0.0	-0.66	<a href="#">21</a>
<a href="#">1</a>	ECA	McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON K2P 1A2	WNW/0.0	-0.66	<a href="#">21</a>
<a href="#">2</a>	WWIS		1400 OLD MONTREAL RD lot 25 Ottawa ON  <i>Well ID: 7207987</i>	E/0.0	11.76	<a href="#">21</a>
<a href="#">3</a>	WWIS		1400 OLD MONTREAL ROAD lot 25 Ottawa ON  <i>Well ID: 7207986</i>	E/0.0	10.74	<a href="#">24</a>
<a href="#">4</a>	EHS		1422 Old Montreal Rd Ottawa ON K4A 3N8	N/0.0	3.59	<a href="#">26</a>
<a href="#">5</a>	WWIS		lot 25 con 1 ON  <i>Well ID: 1513125</i>	N/0.0	3.72	<a href="#">26</a>
<a href="#">6</a>	BORE		ON	N/0.0	3.72	<a href="#">28</a>
<a href="#">7</a>	WWIS		lot 25 con 1 ON  <i>Well ID: 1513933</i>	NNE/0.0	4.25	<a href="#">30</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">8</a>	WWIS		lot 27 con 1 ON <b>Well ID:</b> 1514989	W/6.0	0.66	<a href="#">33</a>
<a href="#">9</a>	WWIS		lot 25 con 1 ON <b>Well ID:</b> 1513129	E/38.4	9.79	<a href="#">37</a>
<a href="#">10</a>	BORE		ON	E/38.5	9.79	<a href="#">40</a>
<a href="#">11</a>	WWIS		lot 27 con 1 ON <b>Well ID:</b> 1512335	W/53.4	-8.00	<a href="#">41</a>
<a href="#">12</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1513111	NE/61.0	5.49	<a href="#">44</a>
<a href="#">13</a>	BORE		ON	NE/61.1	5.49	<a href="#">46</a>
<a href="#">14</a>	PINC		1562 Jonquille Way, Cumberland ON	E/62.2	7.11	<a href="#">47</a>
<a href="#">15</a>	EHS		1208 Old Montreal Road Orléans ON K4A 3N6	W/71.7	-3.70	<a href="#">48</a>
<a href="#">16</a>	WWIS		lot 24 ON <b>Well ID:</b> 1523410	ENE/79.4	4.64	<a href="#">48</a>
<a href="#">17</a>	WWIS		1120 TED KELLY LANE lot 25 Ottawa ON <b>Well ID:</b> 7149729	NNE/85.7	5.11	<a href="#">51</a>
<a href="#">18</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1514504	NNE/86.8	5.33	<a href="#">57</a>
<a href="#">19</a>	WWIS		lot 24 con 1 ON	NNE/87.2	5.14	<a href="#">61</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 1512412			
<a href="#">20</a>	WWIS		lot D con 8 ON	E/99.6	10.16	<a href="#">65</a>
			<b>Well ID:</b> 1512331			
<a href="#">21</a>	WWIS		lot 25 ON	N/100.6	0.30	<a href="#">68</a>
			<b>Well ID:</b> 1520011			
<a href="#">21</a>	WWIS		lot 25 ON	N/100.6	0.30	<a href="#">71</a>
			<b>Well ID:</b> 1523892			
<a href="#">22</a>	WWIS		lot 25 con 1 ON	NNE/110.2	4.30	<a href="#">74</a>
			<b>Well ID:</b> 1519190			
<a href="#">23</a>	WWIS		lot 25 con 1 ON	NNE/114.0	3.95	<a href="#">77</a>
			<b>Well ID:</b> 1513951			
<a href="#">24</a>	WWIS		lot 27 ON	WNW/124.9	-11.03	<a href="#">80</a>
			<b>Well ID:</b> 1526501			
<a href="#">24</a>	WWIS		lot 27 ON	WNW/124.9	-11.03	<a href="#">84</a>
			<b>Well ID:</b> 1528921			
<a href="#">25</a>	EHS		1154-1208 Old Montreal Rd Ottawa ON	WSW/126.0	1.45	<a href="#">87</a>
<a href="#">26</a>	WWIS		lot 27 con 1 ON	W/128.2	0.06	<a href="#">87</a>
			<b>Well ID:</b> 1512408			
<a href="#">27</a>	WWIS		lot 24 con 1 ON	NNE/129.4	3.47	<a href="#">91</a>
			<b>Well ID:</b> 1513109			
<a href="#">28</a>	BORE		ON	ESE/129.5	10.32	<a href="#">93</a>
<a href="#">29</a>	BORE		ON	W/134.6	-10.95	<a href="#">95</a>
<a href="#">30</a>	WWIS		lot 27 con 1 ON	W/134.7	-10.95	<a href="#">96</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 1513130			
<a href="#">31</a>	BORE		ON	N/135.0	0.78	<a href="#">99</a>
<a href="#">32</a>	WWIS		lot 25 con 1 ON <b>Well ID:</b> 1513128	N/135.7	0.78	<a href="#">100</a>
<a href="#">33</a>	WWIS		lot 27 con 1 ON <b>Well ID:</b> 1532616	WNW/145.7	-11.93	<a href="#">104</a>
<a href="#">34</a>	WWIS		lot 25 con 8 ON <b>Well ID:</b> 1527663	ENE/149.9	4.76	<a href="#">107</a>
<a href="#">35</a>	BORE		ON	E/159.0	10.10	<a href="#">110</a>
<a href="#">36</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1513110	NE/160.4	5.19	<a href="#">111</a>
<a href="#">37</a>	EHS		1373 Cox Country Road Cumberland ON K4C 1N7	E/164.2	9.99	<a href="#">114</a>
<a href="#">38</a>	WWIS		1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON <b>Well ID:</b> 1534641	WSW/169.8	-0.31	<a href="#">114</a>
<a href="#">39</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1513927	NNE/171.5	4.39	<a href="#">121</a>
<a href="#">40</a>	BORE		ON	NNE/187.8	2.48	<a href="#">124</a>
<a href="#">41</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1513118	NNE/188.5	2.48	<a href="#">126</a>
<a href="#">42</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1513113	NE/191.9	5.18	<a href="#">128</a>
<a href="#">43</a>	BORE		ON	NE/192.0	5.18	<a href="#">131</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">44</a>	BORE		ON	NNE/192.3	3.37	<a href="#">132</a>
<a href="#">45</a>	WWIS		lot 24 con 1 ON <b>Well ID:</b> 1513117	NNE/193.0	3.37	<a href="#">133</a>
<a href="#">46</a>	HINC		1571 SEQUOIA DRIVE CUMBERLAND ON K4C 1C2	NE/193.8	5.14	<a href="#">135</a>
<a href="#">47</a>	WWIS		lot D con 8 ON <b>Well ID:</b> 1519783	SE/213.3	7.34	<a href="#">136</a>
<a href="#">48</a>	WWIS		lot 2 ON <b>Well ID:</b> 1532723	NE/223.8	4.82	<a href="#">139</a>
<a href="#">49</a>	WWIS		1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON <b>Well ID:</b> 1534642	WSW/225.4	-7.33	<a href="#">142</a>
<a href="#">50</a>	WWIS		lot 28 con 1 ON <b>Well ID:</b> 1513134	WSW/231.0	-7.33	<a href="#">143</a>
<a href="#">51</a>	EHS		Part Lot 28 Concession 1 OS Cumberland Part 1 Plan 4R24727 Orléans ON K4A 3N6	W/238.9	-16.05	<a href="#">145</a>
<a href="#">52</a>	WWIS		lot 1 con 1 ON <b>Well ID:</b> 1532633	ENE/239.9	4.39	<a href="#">145</a>
<a href="#">53</a>	EHS		1123 Old Montreal Rd Ottawa ON K4A3N6	W/245.2	-17.27	<a href="#">149</a>



## Executive Summary: Summary By Data Source

### **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 10 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ON		0.0	<a href="#"><u>6</u></a>
ON		38.5	<a href="#"><u>10</u></a>
ON		61.1	<a href="#"><u>13</u></a>
ON		129.5	<a href="#"><u>28</u></a>
ON		134.6	<a href="#"><u>29</u></a>
ON		135.0	<a href="#"><u>31</u></a>
ON		159.0	<a href="#"><u>35</u></a>
ON		187.8	<a href="#"><u>40</u></a>
ON		192.0	<a href="#"><u>43</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	192.3	<a href="#">44</a>

### **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON	0.0	<a href="#">1</a>

### **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON K2P 1A2	0.0	<a href="#">1</a>

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

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1422 Old Montreal Rd Ottawa ON K4A 3N8	0.0	<a href="#">4</a>
	1208 Old Montreal Road Orléans ON K4A 3N6	71.7	<a href="#">15</a>
	1154-1208 Old Montreal Rd Ottawa ON	126.0	<a href="#">25</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1373 Cox Country Road Cumberland ON K4C 1N7	164.2	<a href="#">37</a>
	Part Lot 28 Concession 1 OS Cumberland Part 1 Plan 4R24727 Orléans ON K4A 3N6	238.9	<a href="#">51</a>
	1123 Old Montreal Rd Ottawa ON K4A3N6	245.2	<a href="#">53</a>

### **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1571 SEQUOIA DRIVE CUMBERLAND ON K4C 1C2	193.8	<a href="#">46</a>

### **PINC - Pipeline Incidents**

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1562 Jonquille Way, Cumberland ON	62.2	<a href="#">14</a>

### **WWIS - Water Well Information System**

A search of the WWIS database, dated Apr 30, 2021 has found that there are 36 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1400 OLD MONTREAL RD lot 25 Ottawa ON  <i>Well ID: 7207987</i>	0.0	<a href="#">2</a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1400 OLD MONTREAL ROAD lot 25 Ottawa ON  <i>Well ID:</i> 7207986	0.0	<a href="#"><u>3</u></a>
	lot 25 con 1 ON  <i>Well ID:</i> 1513125	0.0	<a href="#"><u>5</u></a>
	lot 25 con 1 ON  <i>Well ID:</i> 1513933	0.0	<a href="#"><u>7</u></a>
	lot 27 con 1 ON  <i>Well ID:</i> 1514989	6.0	<a href="#"><u>8</u></a>
	lot 25 con 1 ON  <i>Well ID:</i> 1513129	38.4	<a href="#"><u>9</u></a>
	lot 27 con 1 ON  <i>Well ID:</i> 1512335	53.4	<a href="#"><u>11</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1513111	61.0	<a href="#"><u>12</u></a>
	lot 24 ON  <i>Well ID:</i> 1523410	79.4	<a href="#"><u>16</u></a>
	1120 TED KELLY LANE lot 25 Ottawa ON  <i>Well ID:</i> 7149729	85.7	<a href="#"><u>17</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1514504	86.8	<a href="#"><u>18</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1512412	87.2	<a href="#"><u>19</u></a>
	lot D con 8 ON	99.6	<a href="#"><u>20</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1512331		
	lot 25 ON	100.6	<a href="#"><u>21</u></a>
	<i>Well ID:</i> 1520011		
	lot 25 ON	100.6	<a href="#"><u>21</u></a>
	<i>Well ID:</i> 1523892		
	lot 25 con 1 ON	110.2	<a href="#"><u>22</u></a>
	<i>Well ID:</i> 1519190		
	lot 25 con 1 ON	114.0	<a href="#"><u>23</u></a>
	<i>Well ID:</i> 1513951		
	lot 27 ON	124.9	<a href="#"><u>24</u></a>
	<i>Well ID:</i> 1526501		
	lot 27 ON	124.9	<a href="#"><u>24</u></a>
	<i>Well ID:</i> 1528921		
	lot 27 con 1 ON	128.2	<a href="#"><u>26</u></a>
	<i>Well ID:</i> 1512408		
	lot 24 con 1 ON	129.4	<a href="#"><u>27</u></a>
	<i>Well ID:</i> 1513109		
	lot 27 con 1 ON	134.7	<a href="#"><u>30</u></a>
	<i>Well ID:</i> 1513130		
	lot 25 con 1 ON	135.7	<a href="#"><u>32</u></a>
	<i>Well ID:</i> 1513128		
	lot 27 con 1 ON	145.7	<a href="#"><u>33</u></a>
	<i>Well ID:</i> 1532616		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 25 con 8 ON  <i>Well ID:</i> 1527663	149.9	<a href="#"><u>34</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1513110	160.4	<a href="#"><u>36</u></a>
	1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON  <i>Well ID:</i> 1534641	169.8	<a href="#"><u>38</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1513927	171.5	<a href="#"><u>39</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1513118	188.5	<a href="#"><u>41</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1513113	191.9	<a href="#"><u>42</u></a>
	lot 24 con 1 ON  <i>Well ID:</i> 1513117	193.0	<a href="#"><u>45</u></a>
	lot D con 8 ON  <i>Well ID:</i> 1519783	213.3	<a href="#"><u>47</u></a>
	lot 2 ON  <i>Well ID:</i> 1532723	223.8	<a href="#"><u>48</u></a>
	1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON  <i>Well ID:</i> 1534642	225.4	<a href="#"><u>49</u></a>
	lot 28 con 1 ON  <i>Well ID:</i> 1513134	231.0	<a href="#"><u>50</u></a>
	lot 1 con 1 ON	239.9	<a href="#"><u>52</u></a>



**Site**

**Address**

**Distance (m)**

**Map Key**

*Well ID: 1532633*

75°28'W

75°27'30"W

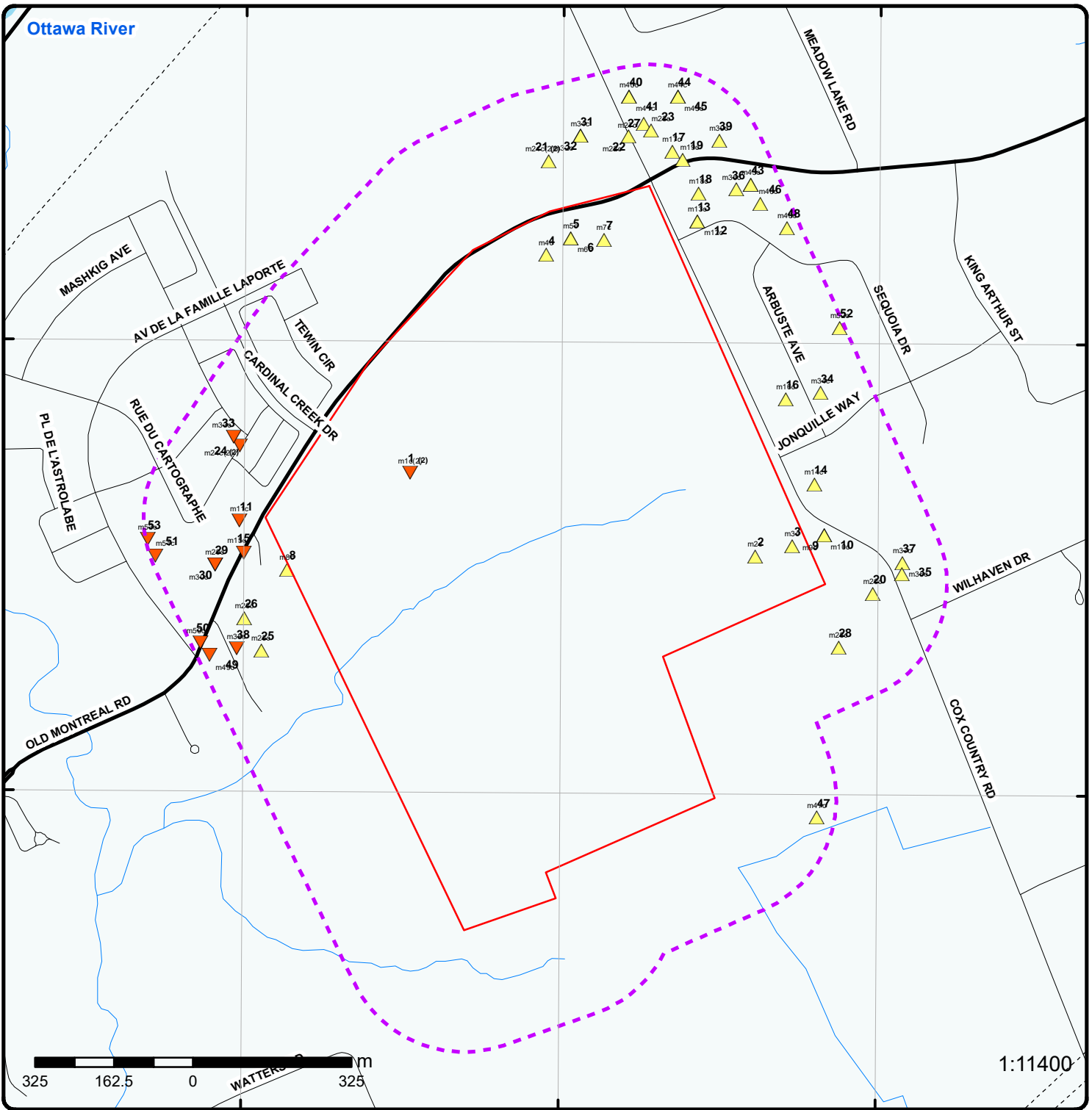
75°27'W

45°30'N

45°30'N

45°29'30"N

45°29'30"N



### Map: 0.25 Kilometer Radius

Order Number: 21073001373

Address: Old Montreal Road, Ottawa, ON



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



**Aerial** Year: 2020

Order Number: 21073001373

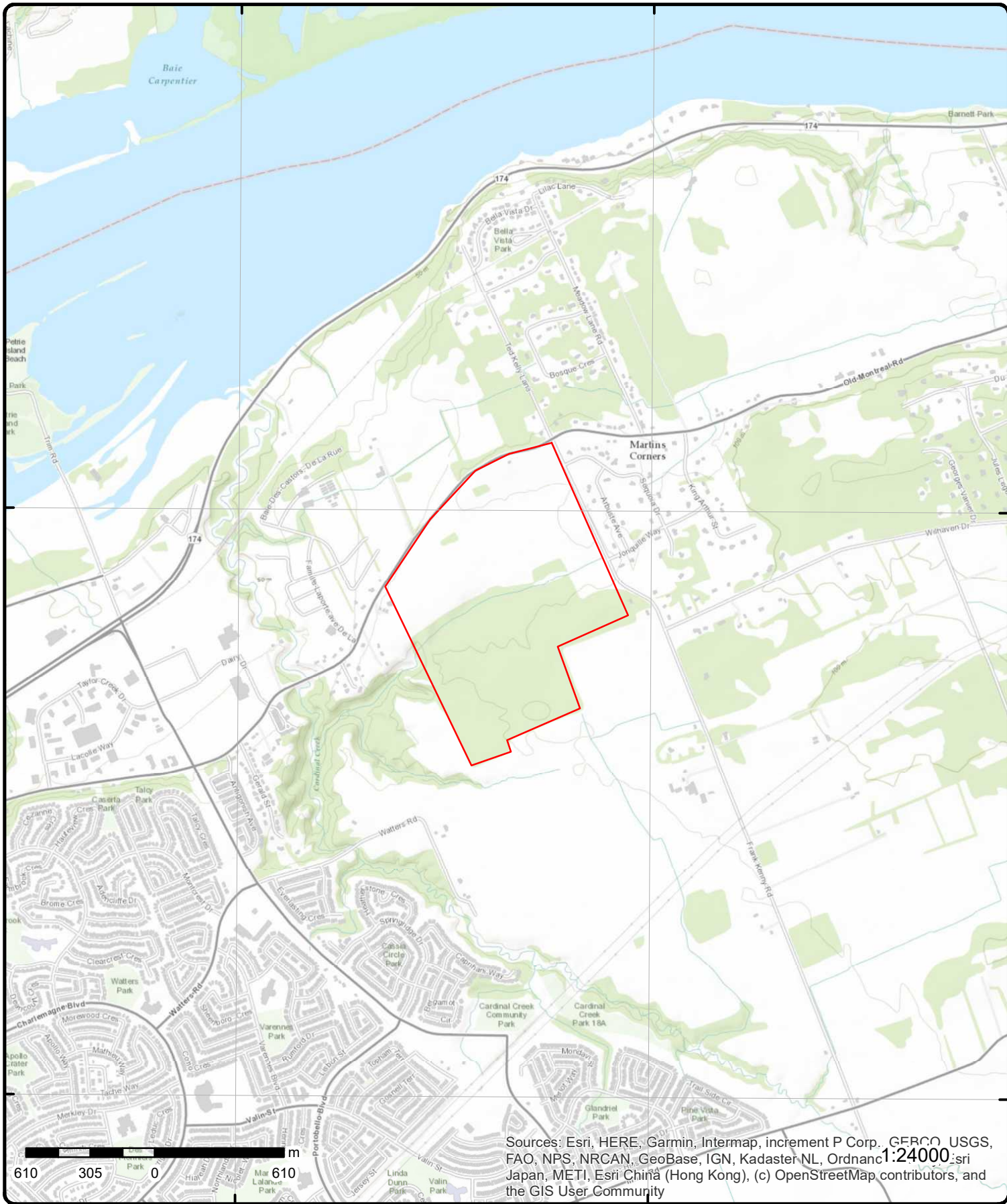
**Address: Old Montreal Road, Ottawa, ON**



Source: ESRI World Imagery

© ERIS Information Limited Partnership





# Topographic Map

Address: Old Montreal Road, ON

Source: ESRI World Topographic Map

Order Number: 21073001373



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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><a href="#">1</a></p> <p><b>Certificate #:</b> 2233-7M7Q7Z  <b>Application Year:</b> 2009  <b>Issue Date:</b> 1/6/2009  <b>Approval Type:</b> Industrial Sewage Works  <b>Status:</b> Approved  <b>Application Type:</b>  <b>Client Name:</b>  <b>Client Address:</b>  <b>Client City:</b>  <b>Client Postal Code:</b>  <b>Project Description:</b>  <b>Contaminants:</b>  <b>Emission Control:</b></p>	1 of 2	WNW/0.0	83.9 / -0.66	<p><b>McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.</b>            1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535            Ottawa ON</p>	CA
<p><a href="#">1</a></p> <p><b>Approval No:</b> 2233-7M7Q7Z  <b>Approval Date:</b> 2009-01-06  <b>Status:</b> Approved  <b>Record Type:</b> ECA  <b>Link Source:</b> IDS  <b>SWP Area Name:</b> Rideau Valley  <b>Approval Type:</b> ECA-INDUSTRIAL SEWAGE WORKS  <b>Project Type:</b> INDUSTRIAL SEWAGE WORKS  <b>Business Name:</b> McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.  <b>Address:</b> 1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535  <b>Full Address:</b>  <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5410-7LZPCL-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5410-7LZPCL-14.pdf</a></p>	2 of 2	WNW/0.0	83.9 / -0.66	<p><b>McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.</b>            1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535            Ottawa ON K2P 1A2</p> <p><b>MOE District:</b> Ottawa  <b>City:</b>  <b>Longitude:</b> -75.69218  <b>Latitude:</b> 45.41207  <b>Geometry X:</b>  <b>Geometry Y:</b></p>	ECA
<p><a href="#">2</a></p> <p><b>Well ID:</b> 7207987  <b>Construction Date:</b>  <b>Primary Water Use:</b> Monitoring  <b>Sec. Water Use:</b>  <b>Final Well Status:</b> Observation Wells  <b>Water Type:</b>  <b>Casing Material:</b>  <b>Audit No:</b> Z164003  <b>Tag:</b> A148052  <b>Construction</b></p>	1 of 1	E/0.0	96.3 / 11.76	<p><b>1400 OLD MONTREAL RD lot 25</b>            Ottawa ON</p> <p><b>Data Entry Status:</b>  <b>Data Src:</b>  <b>Date Received:</b> 9/17/2013  <b>Selected Flag:</b> True  <b>Abandonment Rec:</b>  <b>Contractor:</b> 7328  <b>Form Version:</b> 7  <b>Owner:</b>  <b>Street Name:</b> 1400 OLD MONTREAL RD  <b>County:</b> OTTAWA</p>	WWIS

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

Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	OF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map):

**Additional Detail(s) (Map)**

Well Completed Date: 2012/11/02  
Year Completed: 2012  
Depth (m): 10.39  
Latitude: 45.4960539745299  
Longitude: -75.4532187711448  
Path:

**Bore Hole Information**

Bore Hole ID:	1004570412	Elevation:	97.347122
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	464589.00
Code OB Desc:		North83:	5038158.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	02-Nov-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 1004600790  
Layer: 1  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2: 26  
Mat2 Desc: ROCK  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 10.390000343322754  
Formation End Depth UOM: m

**Annular Space/Abandonment**

**Sealing Record**

Plug ID: 1004600797



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		6.19999980926514			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004600796			
<b>Method Construction Code:</b>		F			
<b>Method Construction:</b>		H.S.A.			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004600789			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004600793			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		7.09999990463257			
<b>Casing Diameter:</b>		5.07999992370605			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004600794			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		7.09999990463257			
<b>Screen End Depth:</b>		10.3900003433228			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		5.80000019073486			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004600792			
<b>Layer:</b>		1			
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>		7.170000076293945			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1004600791			
<b>Diameter:</b>		20.299999237060547			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		10.390000343322754			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">3</a>	1 of 1	E/0.0	95.3 / 10.74	1400 OLD MONTREAL ROAD lot 25 Ottawa ON	WWIS
<b>Well ID:</b> 7207986 <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> 0 <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z163962 <b>Tag:</b> A148052 <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>		<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 9/17/2013 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 7328 <b>Form Version:</b> 7 <b>Owner:</b> <b>Street Name:</b> 1400 OLD MONTREAL ROAD <b>County:</b> OTTAWA <b>Municipality:</b> CUMBERLAND TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 025 <b>Concession:</b> <b>Concession Name:</b> OF <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>			
<b>PDF URL (Map):</b>					
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b> 2012/11/02 <b>Year Completed:</b> 2012 <b>Depth (m):</b> 8.74 <b>Latitude:</b> 45.496255848594 <b>Longitude:</b> -75.4522476769836 <b>Path:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 1004570394 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 02-Nov-2012 00:00:00 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>		<b>Elevation:</b> 98.192924 <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 464665.00 <b>North83:</b> 5038180.00 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 1004600777 <b>Layer:</b> 1 <b>Color:</b> 2 <b>General Color:</b> GREY					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>		26			
<b>Mat2 Desc:</b>		ROCK			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		8.739999771118164			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004600783			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		5.80000019073486			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004600782			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004600776			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004600780			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		7.09999990463257			
<b>Casing Diameter:</b>		5.07999992370605			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004600781			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		7.09999990463257			
<b>Screen End Depth:</b>		8.73999977111816			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		5.80000019073486			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004600779			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		7.349999904632568			
Water Found Depth UOM:		m			
<b>Hole Diameter</b>					
Hole ID:		1004600778			
Diameter:		20.299999237060547			
Depth From:		0.0			
Depth To:		8.739999771118164			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>4</u>	1 of 1	N/0.0	88.1 / 3.59	1422 Old Montreal Rd Ottawa ON K4A 3N8	EHS
Order No:	20190603240			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	NY
Report Date:	10-JUN-19			Search Radius (km):	.25
Date Received:	03-JUN-19			X:	-75.45875
Previous Site Name:				Y:	45.501611
Lot/Building Size:					
Additional Info Ordered:					

<u>5</u>	1 of 1	N/0.0	88.3 / 3.72	lot 25 con 1 ON	WWIS
Well ID:	1513125			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/15/1961
Sec. Water Use:	0			Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	025
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513125.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513125.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 1961/08/01  
Year Completed: 1961  
Depth (m): 64.008  
Latitude: 45.5019212224055  
Longitude: -75.4581068606122

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		151\1513125.pdf			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035113	<b>Elevation:</b>	95.313407
<b>DP2BR:</b>	10.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464210.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038812.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	01-Aug-1961 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022477
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	13
<b>Most Common Material:</b>	BOULDERS
<b>Mat2:</b>	11
<b>Mat2 Desc:</b>	GRAVEL
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	10.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022478
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	15
<b>Most Common Material:</b>	LIMESTONE
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	10.0
<b>Formation End Depth:</b>	210.0
<b>Formation End Depth UOM:</b>	ft

**Method of Construction & Well**

**Use**

<b>Method Construction ID:</b>	961513125
<b>Method Construction Code:</b>	7
<b>Method Construction:</b>	Diamond
<b>Other Method Construction:</b>	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583683			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062212			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		25			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062213			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		210			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513125			
<b>Pump Set At:</b>					
<b>Static Level:</b>		75.0			
<b>Final Level After Pumping:</b>		85.0			
<b>Recommended Pump Depth:</b>		85.0			
<b>Pumping Rate:</b>		3.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		3.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933468626			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		210.0			
<b>Water Found Depth UOM:</b>		ft			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Borehole ID:</b>	616417			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517204			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	AUG-1961			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.501923
<b>Total Depth m:</b>	64			<b>Longitude DD:</b>	-75.458107
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	464211
<b>Drill Method:</b>				<b>Northing:</b>	5038812
<b>Orig Ground Elev m:</b>	85.3			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	95.3				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

#### Borehole Geology Stratum

<b>Geology Stratum ID:</b>	218403875			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	3			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	64			<b>Material Texture:</b>	
<b>Material Color:</b>	Blue			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Limestone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	LIMESTONE. GREY. GRANITE. BLUE. 002800098OCITY = 6600. BEDROCK. SEISMIC VELOCITY = 1900 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

<b>Geology Stratum ID:</b>	218403874			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	3			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Boulders			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Gravel			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BOULDERS.				

#### Source

<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 08925 NTS_Sheet:				
<b>Confiden 1:</b>					

#### Source List

<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Scale or Resolution:</b> Varies					
<b>Source Name:</b> Urban Geology Automated Information System (UGAIS)					
<b>Source Originators:</b> Geological Survey of Canada					

<a href="#">7</a>	1 of 1	NNE/0.0	88.8 / 4.25	lot 25 con 1 ON	WWIS
<b>Well ID:</b>		1513933		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 3/18/1974	
<b>Sec. Water Use:</b>		0		<b>Selected Flag:</b> True	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 1504	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> CUMBERLAND TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 025	
<b>Well Depth:</b>				<b>Concession:</b> 01	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> OF	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513933.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513933.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1973/09/19  
**Year Completed:** 1973  
**Depth (m):** 70.104  
**Latitude:** 45.5018977071683  
**Longitude:** -75.4572362602778  
**Path:** 151\1513933.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035915	<b>Elevation:</b>	94.575462
<b>DP2BR:</b>	6.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464278.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038809.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	19-Sep-1973 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931024831

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		19			
<b>Most Common Material:</b>		SLATE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		6.0			
<b>Formation End Depth:</b>		80.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931024832			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		80.0			
<b>Formation End Depth:</b>		200.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931024833			
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		19			
<b>Most Common Material:</b>		SLATE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		200.0			
<b>Formation End Depth:</b>		230.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931024830			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		6.0			
<b>Formation End Depth UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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**Method of Construction & Well Use**

**Method Construction ID:** 961513933  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10584485  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930063472  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 21  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930063473  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 230  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991513933  
**Pump Set At:**  
**Static Level:** 30.0  
**Final Level After Pumping:** 200.0  
**Recommended Pump Depth:** 200.0  
**Pumping Rate:** 4.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 4.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pump Test Detail ID:</b> 934380779					
<b>Test Type:</b> Recovery					
<b>Test Duration:</b> 30					
<b>Test Level:</b> 100.0					
<b>Test Level UOM:</b> ft					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b> 934641772					
<b>Test Type:</b> Recovery					
<b>Test Duration:</b> 45					
<b>Test Level:</b> 50.0					
<b>Test Level UOM:</b> ft					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b> 934899242					
<b>Test Type:</b> Recovery					
<b>Test Duration:</b> 60					
<b>Test Level:</b> 30.0					
<b>Test Level UOM:</b> ft					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b> 934099705					
<b>Test Type:</b> Recovery					
<b>Test Duration:</b> 15					
<b>Test Level:</b> 150.0					
<b>Test Level UOM:</b> ft					
<b><u>Water Details</u></b>					
<b>Water ID:</b> 933469687					
<b>Layer:</b> 1					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 230.0					
<b>Water Found Depth UOM:</b> ft					

<u>8</u>	1 of 1	W/6.0	85.2 / 0.66	lot 27 con 1 ON	WWIS
<b>Well ID:</b> 1514989					
<b>Construction Date:</b>					
<b>Primary Water Use:</b> Domestic					
<b>Sec. Water Use:</b> 0					
<b>Final Well Status:</b> Water Supply					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b>					
<b>Tag:</b>					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b> 1					
<b>Date Received:</b> 10/6/1975					
<b>Selected Flag:</b> True					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 1558					
<b>Form Version:</b> 1					
<b>Owner:</b>					
<b>Street Name:</b>					
<b>County:</b> OTTAWA					
<b>Municipality:</b> CUMBERLAND TOWNSHIP					
<b>Site Info:</b>					
<b>Lot:</b> 027					
<b>Concession:</b> 01					
<b>Concession Name:</b> OF					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1514989.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514989.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 1975/09/26  
Year Completed: 1975  
Depth (m): 90.8304  
Latitude: 45.4957615319453  
Longitude: -75.4655057861356  
Path: 151\1514989.pdf

**Bore Hole Information**

Bore Hole ID:	10036954	Elevation:	85.231178
DP2BR:	76.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	463628.80
Code OB Desc:	Bedrock	North83:	5038131.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	26-Sep-1975 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931027896  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 14  
Most Common Material: HARDPAN  
Mat2: 13  
Mat2 Desc: BOULDERS  
Mat3: 79  
Mat3 Desc: PACKED  
Formation Top Depth: 68.0  
Formation End Depth: 76.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931027895  
Layer: 2  
Color: 3  
General Color: BLUE  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 17.0  
Formation End Depth: 68.0



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931027897			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>		85			
<b>Mat2 Desc:</b>		SOFT			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		76.0			
<b>Formation End Depth:</b>		298.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931027894			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		17.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961514989			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10585524			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930065329			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		298			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930065328			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		78			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991514989			
<b>Pump Set At:</b>					
<b>Static Level:</b>		75.0			
<b>Final Level After Pumping:</b>		175.0			
<b>Recommended Pump Depth:</b>		175.0			
<b>Pumping Rate:</b>		3.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		3.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934100791			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		175.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934645208			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		175.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934894332			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		175.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934384642			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		175.0			
Test Level UOM:		ft			
<b>Water Details</b>					
Water ID:		933470974			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		165.0			
Water Found Depth UOM:		ft			

<u>9</u>	1 of 1	E/38.4	94.3 / 9.79	lot 25 con 1 ON	WWIS
<b>Well ID:</b>	1513129			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	2/23/1971
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	025
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513129.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513129.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1970/05/23  
**Year Completed:** 1970  
**Depth (m):** 45.72  
**Latitude:** 45.4964571986092  
**Longitude:** -75.4514071205719  
**Path:** 151\1513129.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035117	<b>Elevation:</b>	94.780303
<b>DP2BR:</b>	10.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464730.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038202.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	23-May-1970 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931022487			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		10.0			
<b>Formation End Depth:</b>		150.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931022486			
<b>Layer:</b>		1			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		12			
<b>Most Common Material:</b>		STONES			
<b>Mat2:</b>		13			
<b>Mat2 Desc:</b>		BOULDERS			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		10.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513129			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583687			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062220			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513129			
<b>Pump Set At:</b>					
<b>Static Level:</b>		30.0			
<b>Final Level After Pumping:</b>		40.0			
<b>Recommended Pump Depth:</b>		60.0			
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934896516			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934639034			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934378036			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934098923			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933468630			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		150.0			
<b>Water Found Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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10      1 of 1      E/38.5      94.3 / 9.79      ON      BORE

<b>Borehole ID:</b>	616405	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517193	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>	MAY-1970	<b>Municipality:</b>	
<b>Static Water Level:</b>		<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.496459
<b>Total Depth m:</b>	45.7	<b>Longitude DD:</b>	-75.451407
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	464731
<b>Drill Method:</b>		<b>Northing:</b>	5038202
<b>Orig Ground Elev m:</b>	91.4	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	94.7		
<b>Concession:</b>			
<b>Location D:</b>			
<b>Survey D:</b>			
<b>Comments:</b>			

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218403849	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	3	<b>Material Texture:</b>	
<b>Material Color:</b>	Grey	<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Stones	<b>Geologic Formation:</b>	
<b>Material 2:</b>	Boulders	<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	STONES. GREY.		

<b>Geology Stratum ID:</b>	218403850	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	3	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	45.7	<b>Material Texture:</b>	
<b>Material Color:</b>	Grey	<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Limestone	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	LIMESTONE. GREY. 00147IED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY = 19000.		

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>		<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 08913 NTS_Sheet:		
<b>Confiden 1:</b>			

**Source List**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				

<a href="#">11</a>	1 of 1	W/53.4	76.5 / -8.00	lot 27 con 1 ON	WWIS
<b>Well ID:</b>	1512335			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	11/10/1972
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1512335.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512335.pdf)

#### Additional Detail(s) (Map)

**Well Completed Date:** 1972/05/31  
**Year Completed:** 1972  
**Depth (m):** 19.812  
**Latitude:** 45.496665498847  
**Longitude:** -75.4667675321101  
**Path:** 151\1512335.pdf

#### Bore Hole Information

<b>Bore Hole ID:</b>	10034327	<b>Elevation:</b>	74.747116
<b>DP2BR:</b>	10.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	463530.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038232.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	31-May-1972 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931020349			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		26			
<b>Most Common Material:</b>		ROCK			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		10.0			
<b>Formation End Depth:</b>		65.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931020348			
<b>Layer:</b>		1			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		10.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961512335			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10582897			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060853			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		25			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060854			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		65			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991512335			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>		5.0			
<b>Recommended Pump Depth:</b>		25.0			
<b>Pumping Rate:</b>		20.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934376960			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		5.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934097988			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		5.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934895861			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		5.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934647287			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		5.0			
<b>Test Level UOM:</b>		ft			

**Water Details**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933467738			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		65.0			
Water Found Depth UOM:		ft			

[12](#)    1 of 1    **NE/61.0**    **90.0 / 5.49**    **lot 24 con 1 ON**    **WWIS**

<b>Well ID:</b>	1513111	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	4/3/1952
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	3725
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	024
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513111.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513111.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1952/02/07  
**Year Completed:** 1952  
**Depth (m):** 24.6888  
**Latitude:** 45.5022495500934  
**Longitude:** -75.4547814658966  
**Path:** 151\1513111.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035099	<b>Elevation:</b>	93.038993
<b>DP2BR:</b>	12.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464470.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038847.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	07-Feb-1952 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931022446			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		12.0			
<b>Formation End Depth:</b>		81.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931022445			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		12.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513111			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583669			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062186			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		81			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<b>Casing ID:</b>		930062185			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513111			
<b>Pump Set At:</b>					
<b>Static Level:</b>		12.0			
<b>Final Level After Pumping:</b>		15.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		3.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933468612			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		81.0			
<b>Water Found Depth UOM:</b>		ft			
<hr/>					
<a href="#"><u>13</u></a>	1 of 1	NE/61.1	90.0 / 5.49	ON	BORE
<b>Borehole ID:</b>	616419			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517206			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	FEB-1952			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.502252
<b>Total Depth m:</b>	24.7			<b>Longitude DD:</b>	-75.454782
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	464471
<b>Drill Method:</b>				<b>Northing:</b>	5038847
<b>Orig Ground Elev m:</b>	85.3			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	93				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218403878			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	3.7			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY.				
<b>Geology Stratum ID:</b>	218403879			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	3.7			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	24.7			<b>Material Texture:</b>	
<b>Material Color:</b>	Blue			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SANDSTONE. 00081 GRANITE. BLUE. 002800098OCITY = 6600. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 08927 NTS_Sheet:				
<b>Confiden 1:</b>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>14</b>	<b>1 of 1</b>	<b>E/62.2</b>	<b>91.7 / 7.11</b>	<b>1562 Jonquille Way, Cumberland ON</b>	<b>PINC</b>
<b>Incident ID:</b>	2787300			<b>Pipe Material:</b>	
<b>Incident No:</b>	630600			<b>Fuel Category:</b>	Natural Gas
<b>Incident Reported Dt:</b>				<b>Health Impact:</b>	No
<b>Type:</b>	FS-Pipeline Incident			<b>Environment Impact:</b>	No
<b>Status Code:</b>	Pipeline Damage Reason Est			<b>Property Damage:</b>	No
<b>Tank Status:</b>	RC Established			<b>Service Interrupt:</b>	Yes
<b>Task No:</b>	3424526			<b>Enforce Policy:</b>	Yes
<b>Spills Action Centre:</b>				<b>Public Relation:</b>	No
<b>Fuel Type:</b>	Natural Gas			<b>Pipeline System:</b>	
<b>Fuel Occurrence Tp:</b>	Pipeline Strike			<b>PSIG:</b>	
<b>Date of Occurrence:</b>	7/12/2011 0:00			<b>Attribute Category:</b>	FS-Perform P-line Inc Invest
<b>Occurrence Start Dt:</b>	2011/07/27			<b>Regulator Location:</b>	
<b>Depth:</b>				<b>Method Details:</b>	E-mail
<b>Customer Acct Name:</b>					
<b>Incident Address:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Operation Type:** Construction Site (pipeline strike)  
**Pipeline Type:**  
**Regulator Type:**  
**Summary:** 1562 Jonquille Way, Cumberland - 1/2" Pipeline Hit  
**Reported By:** Alan Armstrong  
**Affiliation:** Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)  
**Occurrence Desc:** pipe line damage  
**Damage Reason:** Excavation practices not sufficient  
**Notes:**

<a href="#">15</a>	1 of 1	W/71.7	80.8 / -3.70	1208 Old Montreal Road Orléans ON K4A 3N6	EHS
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<b>Order No:</b> 21020200030 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 05-FEB-21 <b>Date Received:</b> 02-FEB-21 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>	<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.4666548 <b>Y:</b> 45.4960694
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<a href="#">16</a>	1 of 1	ENE/79.4	89.2 / 4.64	lot 24 ON	WWIS
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<b>Well ID:</b> 1523410 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> 37591 <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 5/8/1989 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 2351 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA <b>Municipality:</b> CUMBERLAND TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 024 <b>Concession:</b> <b>Concession Name:</b> OF <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>
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**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1523410.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1523410.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1989/04/09  
**Year Completed:** 1989  
**Depth (m):** 67.6656  
**Latitude:** 45.4989734489798  
**Longitude:** -75.4524358256153  
**Path:** 152\1523410.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b> 10045185 <b>DP2BR:</b> 19.00	<b>Elevation:</b> 89.484191 <b>Elevrc:</b>
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	464652.00
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5038482.00
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	5
<b>Date Completed:</b>	09-Apr-1989 00:00:00			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>				<b>Location Method:</b>	gis
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931054525			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		19.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931054526			
<b>Layer:</b>		2			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		19.0			
<b>Formation End Depth:</b>		222.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		933110277			
<b>Layer:</b>		1			
<b>Plug From:</b>		4			
<b>Plug To:</b>		44			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961523410			
<b>Method Construction Code:</b>		1			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10593755			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930079064			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		44			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991523410			
<b>Pump Set At:</b>					
<b>Static Level:</b>		23.0			
<b>Final Level After Pumping:</b>		218.0			
<b>Recommended Pump Depth:</b>		218.0			
<b>Pumping Rate:</b>		3.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		2.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934389169			
<b>Test Type:</b>					
<b>Test Duration:</b>		30			
<b>Test Level:</b>		135.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934650151			
<b>Test Type:</b>					
<b>Test Duration:</b>		45			
<b>Test Level:</b>		200.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934104940			
<b>Test Type:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Duration:</b>		15			
<b>Test Level:</b>		85.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934907355			
<b>Test Type:</b>					
<b>Test Duration:</b>		60			
<b>Test Level:</b>		218.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933481654			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		75.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">17</a>	1 of 1	NNE/85.7	89.6 / 5.11	1120 TED KELLY LANE lot 25 Ottawa ON	WWIS
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<b>Well ID:</b>	7149729	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	8/10/2010
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	6006
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z117697	<b>Owner:</b>	
<b>Tag:</b>	A098416	<b>Street Name:</b>	1120 TED KELLY LANE
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	025
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/714\7149729.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7149729.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	2010/06/30
<b>Year Completed:</b>	2010
<b>Depth (m):</b>	100
<b>Latitude:</b>	45.5035430302894
<b>Longitude:</b>	-75.4554549471436
<b>Path:</b>	714\7149729.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1003279872	<b>Elevation:</b>	94.313606
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	464419.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				North83:	5038991.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	5
Date Completed:	30-Jun-2010 00:00:00			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:		1003298232			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		3.640000104904175			
Formation End Depth:		100.0			
Formation End Depth UOM:		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:		1003298231			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		17			
Mat3 Desc:		SHALE			
Formation Top Depth:		0.0			
Formation End Depth:		3.640000104904175			
Formation End Depth UOM:		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
Plug ID:		1003298235			
Layer:		1			
Plug From:		6.05999994277954			
Plug To:		0			
Plug Depth UOM:		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
Method Construction ID:		1003298263			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:		ROTARY AIR			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Pipe Information**

**Pipe ID:** 1003298229  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1003298237  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:** -0.44999988079071  
**Depth To:** 6.65999984741211  
**Casing Diameter:** 15.8599996566772  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1003298238  
**Layer:**  
**Slot:**  
**Screen Top Depth:**  
**Screen End Depth:**  
**Screen Material:**  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:**

**Results of Well Yield Testing**

**Pump Test ID:** 1003298230  
**Pump Set At:** 54.54999923706055  
**Static Level:** 27.84000015258789  
**Final Level After Pumping:** 54.54999923706055  
**Recommended Pump Depth:** 98.4800033569336  
**Pumping Rate:** 13.5  
**Flowing Rate:**  
**Recommended Pump Rate:** 22.75  
**Levels UOM:** m  
**Rate UOM:** LPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 0  
**Pumping Duration HR:**  
**Pumping Duration MIN:** 27  
**Flowing:**

**Draw Down & Recovery**

**Pump Test Detail ID:** 1003298240  
**Test Type:** Recovery  
**Test Duration:** 1  
**Test Level:** 54.459999084472656  
**Test Level UOM:** m

**Draw Down & Recovery**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		1003298241			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		32.939998626708984			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298243			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		36.79999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298259			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		51.099998474121094			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298244			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		54.279998779296875			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298246			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		54.20000076293945			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298247			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		42.08000183105469			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298250			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		53.150001525878906			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298253			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		51.22999954223633			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298239				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	1				
<i>Test Level:</i>	30.040000915527344				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298256				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	25				
<i>Test Level:</i>	51.95000076293945				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298245				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	4				
<i>Test Level:</i>	39.119998931884766				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298252				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	15				
<i>Test Level:</i>	52.70000076293945				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298254				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	20				
<i>Test Level:</i>	52.25				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298242				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	2				
<i>Test Level:</i>	54.369998931884766				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1003298249				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	10				
<i>Test Level:</i>	45.15999984741211				
<i>Test Level UOM:</i>	m				
<u><i>Draw Down &amp; Recovery</i></u>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		1003298251			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		48.18000030517578			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298257			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		54.54999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298260			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		50.91999816894531			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298248			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		53.70000076293945			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298258			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		51.70000076293945			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298255			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		54.02000045776367			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1003298261			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		50.779998779296875			
<b>Test Level UOM:</b>		m			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1003298236			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		68.18000030517578			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1003298233			
<b>Diameter:</b>		15.859999656677246			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		6.659999847412109			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1003298234			
<b>Diameter:</b>		15.550000190734863			
<b>Depth From:</b>		6.659999847412109			
<b>Depth To:</b>		100.0			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

<a href="#">18</a>	1 of 1	<b>NNE/86.8</b>	<b>89.9 / 5.33</b>	<b>lot 24 con 1 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	1514504			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	1/23/1975
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	024
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1514504.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514504.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1974/04/23  
**Year Completed:** 1974  
**Depth (m):** 92.964  
**Latitude:** 45.5027627512896  
**Longitude:** -75.4547471968979  
**Path:** 151\1514504.pdf

**Bore Hole Information**

**Bore Hole ID:** 10036477  
**DP2BR:** 3.00  
**Spatial Status:**  
**Elevation:** 94.542221  
**Elevrc:**  
**Zone:** 18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Code OB:</b>	r			<b>East83:</b>	464473.80
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5038904.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	23-Apr-1974 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

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

**Formation ID:** 931026427  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 3.0  
**Formation End Depth:** 10.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931026430  
**Layer:** 5  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 19  
**Most Common Material:** SLATE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 150.0  
**Formation End Depth:** 250.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931026431  
**Layer:** 6  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 250.0  
**Formation End Depth:** 305.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931026426  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 3.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931026429  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 125.0  
**Formation End Depth:** 150.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931026428  
**Layer:** 3  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 19  
**Most Common Material:** SLATE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 10.0  
**Formation End Depth:** 125.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961514504  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pipe ID:</b>		10585047			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930064466			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		305			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930064465			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		21			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991514504			
<b>Pump Set At:</b>					
<b>Static Level:</b>		30.0			
<b>Final Level After Pumping:</b>		300.0			
<b>Recommended Pump Depth:</b>		300.0			
<b>Pumping Rate:</b>		4.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		4.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934100337			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		250.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934643507			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		200.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934382519			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		225.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934900976			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		175.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933470383			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		305.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">19</a>	1 of 1	<b>NNE/87.2</b>	<b>89.7 / 5.14</b>	<b>lot 24 con 1 ON</b>	<b>WWIS</b>
<b>Well ID:</b>		1512412		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 4/24/1973	
<b>Sec. Water Use:</b>		0		<b>Selected Flag:</b> True	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 1504	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> CUMBERLAND TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 024	
<b>Well Depth:</b>				<b>Concession:</b> 01	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> OF	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1512412.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512412.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1972/07/03  
**Year Completed:** 1972  
**Depth (m):** 64.6176  
**Latitude:** 45.5033821273289  
**Longitude:** -75.4551745992699  
**Path:** 151\1512412.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10034403			<b>Elevation:</b>	96.515174
<b>DP2BR:</b>	7.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	464440.80
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5038973.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	03-Jul-1972 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931020561				
<b>Layer:</b>	1				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	14				
<b>Most Common Material:</b>	HARDPAN				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	7.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931020564				
<b>Layer:</b>	4				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	15				
<b>Most Common Material:</b>	LIMESTONE				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	60.0				
<b>Formation End Depth:</b>	212.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931020563				
<b>Layer:</b>	3				
<b>Color:</b>	3				
<b>General Color:</b>	BLUE				
<b>Mat1:</b>	26				
<b>Most Common Material:</b>	ROCK				
<b>Mat2:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		20.0			
<b>Formation End Depth:</b>		60.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931020562			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		19			
<b>Most Common Material:</b>		SLATE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		7.0			
<b>Formation End Depth:</b>		20.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961512412			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10582973			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060975			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		23			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060976			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		212			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>			991512412		
<b>Pump Set At:</b>					
<b>Static Level:</b>			100.0		
<b>Final Level After Pumping:</b>			160.0		
<b>Recommended Pump Depth:</b>			200.0		
<b>Pumping Rate:</b>			6.0		
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>			6.0		
<b>Levels UOM:</b>			ft		
<b>Rate UOM:</b>			GPM		
<b>Water State After Test Code:</b>			1		
<b>Water State After Test:</b>			CLEAR		
<b>Pumping Test Method:</b>			2		
<b>Pumping Duration HR:</b>			2		
<b>Pumping Duration MIN:</b>			0		
<b>Flowing:</b>			No		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934377449		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			30		
<b>Test Level:</b>			158.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934647774		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			45		
<b>Test Level:</b>			160.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934895930		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			60		
<b>Test Level:</b>			160.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934098055		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			120.0		
<b>Test Level UOM:</b>			ft		
<b><u>Water Details</u></b>					
<b>Water ID:</b>			933467868		
<b>Layer:</b>			1		
<b>Kind Code:</b>			1		
<b>Kind:</b>			FRESH		
<b>Water Found Depth:</b>			212.0		
<b>Water Found Depth UOM:</b>			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">20</a>	1 of 1	E/99.6	94.7 / 10.16	lot D con 8 ON	WWIS

<b>Well ID:</b>	1512331	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	11/10/1972
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1504
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	D
<b>Well Depth:</b>		<b>Concession:</b>	08
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1512331.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512331.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1972/09/19  
**Year Completed:** 1972  
**Depth (m):** 37.4904  
**Latitude:** 45.495382145487  
**Longitude:** -75.4501186646601  
**Path:** 151\1512331.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10034323	<b>Elevation:</b>	96.221427
<b>DP2BR:</b>	7.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464830.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038082.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	19-Sep-1972 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931020336  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>		13			
<b>Mat2 Desc:</b>		BOULDERS			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		7.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931020337			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		7.0			
<b>Formation End Depth:</b>		123.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961512331			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10582893			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060846			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		16			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060847			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		123			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991512331			
<b>Pump Set At:</b>					
<b>Static Level:</b>		30.0			
<b>Final Level After Pumping:</b>		85.0			
<b>Recommended Pump Depth:</b>		115.0			
<b>Pumping Rate:</b>		5.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		7.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934376956			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		58.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934097984			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934895857			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		85.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934647283			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		85.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933467734			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		123.0			
<b>Water Found Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">21</a>	1 of 2	N/100.6	84.8 / 0.30	lot 25 ON	WWIS
<b>Well ID:</b> 1520011 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>		<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 10/21/1985 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 2351 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA <b>Municipality:</b> CUMBERLAND TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 025 <b>Concession:</b> <b>Concession Name:</b> OF <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>			
<b>PDF URL (Map):</b>		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520011.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520011.pdf</a>			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b> 1985/09/25 <b>Year Completed:</b> 1985 <b>Depth (m):</b> 76.2 <b>Latitude:</b> 45.5033410029996 <b>Longitude:</b> -75.4587046371005 <b>Path:</b> 152\1520011.pdf					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 10041861 <b>DP2BR:</b> 245.00 <b>Spatial Status:</b> <b>Code OB:</b> r <b>Code OB Desc:</b> Bedrock <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 25-Sep-1985 00:00:00 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>		<b>Elevation:</b> 84.536674 <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 464165.00 <b>North83:</b> 5038970.00 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 7 <b>UTMRC Desc:</b> margin of error : 1 km - 3 km <b>Location Method:</b> lot			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 931043458 <b>Layer:</b> 3 <b>Color:</b> 8 <b>General Color:</b> BLACK <b>Mat1:</b> 17					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		245.0			
<b>Formation End Depth:</b>		250.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931043456			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		6.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931043457			
<b>Layer:</b>		2			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		6.0			
<b>Formation End Depth:</b>		245.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961520011			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10590431			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930073085			
<b>Layer:</b>		1			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material:</b>	1				
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>	44				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	991520011				
<b>Pump Set At:</b>					
<b>Static Level:</b>	75.0				
<b>Final Level After Pumping:</b>	175.0				
<b>Recommended Pump Depth:</b>	225.0				
<b>Pumping Rate:</b>	17.0				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	10.0				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	2				
<b>Water State After Test:</b>	CLOUDY				
<b>Pumping Test Method:</b>	2				
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	No				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934654448				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	45				
<b>Test Level:</b>	175.0				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934904396				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	60				
<b>Test Level:</b>	175.0				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934110293				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	15				
<b>Test Level:</b>	140.0				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934376258				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	30				
<b>Test Level:</b>	155.0				
<b>Test Level UOM:</b>	ft				
<b><u>Water Details</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933477134			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		248.0			
Water Found Depth UOM:		ft			

<a href="#">21</a>	2 of 2	N/100.6	84.8 / 0.30	lot 25 ON	WWIS
Well ID:	1523892			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	10/20/1989
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:	17810			Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	025
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1523892.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1523892.pdf)

#### Additional Detail(s) (Map)

Well Completed Date: 1989/07/20  
Year Completed: 1989  
Depth (m): 75.2856  
Latitude: 45.5033410029996  
Longitude: -75.4587046371005  
Path: 152\1523892.pdf

#### Bore Hole Information

Bore Hole ID:	10045664	Elevation:	84.536674
DP2BR:	34.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464165.00
Code OB Desc:	Bedrock	North83:	5038970.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	7
Date Completed:	20-Jul-1989 00:00:00	UTMRC Desc:	margin of error : 1 km - 3 km
Remarks:		Location Method:	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

#### Overburden and Bedrock Materials Interval

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931056108			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		34.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931056109			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>		19			
<b>Mat2 Desc:</b>		SLATE			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		34.0			
<b>Formation End Depth:</b>		247.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961523892			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10594234			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930079930			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		43			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930079931			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		247			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991523892			
<b>Pump Set At:</b>					
<b>Static Level:</b>		100.0			
<b>Final Level After Pumping:</b>		235.0			
<b>Recommended Pump Depth:</b>		235.0			
<b>Pumping Rate:</b>		6.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934390883			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		100.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934909061			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		100.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934651857			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		100.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934106654			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		145.0			
<b>Test Level UOM:</b>		ft			

**Water Details**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933482330			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		247.0			
Water Found Depth UOM:		ft			

<a href="#">22</a>	1 of 1	NNE/110.2	88.8 / 4.30	lot 25 con 1 ON	WWIS
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<b>Well ID:</b>	1519190	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	9/14/1984
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1504
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	025
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1519190.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519190.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	1984/07/19
<b>Year Completed:</b>	1984
<b>Depth (m):</b>	65.532
<b>Latitude:</b>	45.5038174982488
<b>Longitude:</b>	-75.456598971796
<b>Path:</b>	151\1519190.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10041060	<b>Elevation:</b>	87.883239
<b>DP2BR:</b>	15.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464329.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5039022.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	19-Jul-1984 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931040887			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		15.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931040888			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		15.0			
<b>Formation End Depth:</b>		215.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961519190			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10589630			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930071696			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		215			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing ID:</b>		930071695			
<b>Layer:</b>		1			
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>		44			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991519190			
<b>Pump Set At:</b>					
<b>Static Level:</b>		55.0			
<b>Final Level After Pumping:</b>		200.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934382168			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		55.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934652701			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		55.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934107430			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		70.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934901252			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		55.0			
<b>Test Level UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Details</b>					
Water ID:		933476110			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		210.0			
Water Found Depth UOM:		ft			

<a href="#">23</a>	1 of 1	NNE/114.0	88.5 / 3.95	lot 25 con 1 ON	WWIS
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<b>Well ID:</b>	1513951	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	3/18/1974
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1504
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	025
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513951.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513951.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	1973/07/10
<b>Year Completed:</b>	1973
<b>Depth (m):</b>	67.056
<b>Latitude:</b>	45.5039188596177
<b>Longitude:</b>	-75.4560109636213
<b>Path:</b>	151\1513951.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035933	<b>Elevation:</b>	88.648254
<b>DP2BR:</b>	4.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464375.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5039033.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	6
<b>Date Completed:</b>	10-Jul-1973 00:00:00	<b>UTMRC Desc:</b>	margin of error : 300 m - 1 km
<b>Remarks:</b>		<b>Location Method:</b>	p6
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931024883		
<b>Layer:</b>			1		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			14		
<b>Most Common Material:</b>			HARDPAN		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			0.0		
<b>Formation End Depth:</b>			4.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931024885		
<b>Layer:</b>			3		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			19		
<b>Most Common Material:</b>			SLATE		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			12.0		
<b>Formation End Depth:</b>			90.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931024884		
<b>Layer:</b>			2		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			17		
<b>Most Common Material:</b>			SHALE		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			4.0		
<b>Formation End Depth:</b>			12.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931024887		
<b>Layer:</b>			5		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			19		
<b>Most Common Material:</b>			SLATE		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		150.0			
<b>Formation End Depth:</b>		220.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931024886			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		90.0			
<b>Formation End Depth:</b>		150.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513951			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10584503			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930063493			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		21			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513951			
<b>Pump Set At:</b>					
<b>Static Level:</b>		100.0			
<b>Final Level After Pumping:</b>		150.0			
<b>Recommended Pump Depth:</b>		160.0			
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934099723			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		140.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934380797			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		130.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934641790			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		120.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934899260			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		110.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933469705			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		220.0			
<b>Water Found Depth UOM:</b>		ft			

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WNW/124.9

73.5 / -11.03

lot 27  
ON

WWIS

**Well ID:** 1526501  
**Construction Date:**  
**Primary Water Use:** Commerical  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 110670  
**Tag:**  
**Construction Method:**  
**Elevation (m):**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 9/9/1992  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1504  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>				<b>Site Info:</b> <b>Lot:</b> 027 <b>Concession:</b> <b>Concession Name:</b> OF <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1526501.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526501.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1992/09/01  
**Year Completed:** 1992  
**Depth (m):** 62.1792  
**Latitude:** 45.4980516910716  
**Longitude:** -75.4667636260308  
**Path:** 152\1526501.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10048203	<b>Elevation:</b>	72.888916
<b>DP2BR:</b>	12.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	463532.00
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038386.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	7
<b>Date Completed:</b>	01-Sep-1992 00:00:00	<b>UTMRC Desc:</b>	margin of error : 1 km - 3 km
<b>Remarks:</b>		<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931064344  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 12.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931064345  
**Layer:** 2  
**Color:** 2

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>		19			
<b>Mat2 Desc:</b>		SLATE			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		12.0			
<b>Formation End Depth:</b>		204.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933111747			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		38			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961526501			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10596773			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930084409			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		38			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930084410			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		204			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test ID:</b>		991526501			
<b>Pump Set At:</b>					
<b>Static Level:</b>		79.0			
<b>Final Level After Pumping:</b>		203.0			
<b>Recommended Pump Depth:</b>		189.0			
<b>Pumping Rate:</b>		25.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		25.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934909227			
<b>Test Type:</b>					
<b>Test Duration:</b>		60			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934107879			
<b>Test Type:</b>					
<b>Test Duration:</b>		15			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934652030			
<b>Test Type:</b>					
<b>Test Duration:</b>		45			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934391512			
<b>Test Type:</b>					
<b>Test Duration:</b>		30			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
 <b><u>Water Details</u></b>					
<b>Water ID:</b>		933485842			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		176.0			
<b>Water Found Depth UOM:</b>		ft			
 <b><u>Water Details</u></b>					
<b>Water ID:</b>		933485843			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		194.0			
Water Found Depth UOM:		ft			

<a href="#">24</a>	2 of 2	WNW/124.9	73.5 / -11.03	lot 27 ON	WWIS
<b>Well ID:</b>	1528921			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Commerical			<b>Date Received:</b>	5/22/1996
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	158973			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1528921.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1528921.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1995/09/07  
**Year Completed:** 1995  
**Depth (m):** 62.1792  
**Latitude:** 45.4980516910716  
**Longitude:** -75.4667636260308  
**Path:** 152\1528921.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10050457	<b>Elevation:</b>	72.888916
<b>DP2BR:</b>	12.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	y	<b>East83:</b>	463532.00
<b>Code OB Desc:</b>	Unknown type (bedrock encountered)	<b>North83:</b>	5038386.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	7
<b>Date Completed:</b>	07-Sep-1995 00:00:00	<b>UTMRC Desc:</b>	margin of error : 1 km - 3 km
<b>Remarks:</b>		<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931071204			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		12.0			
<b>Formation End Depth:</b>		180.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931071205			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		00			
<b>Most Common Material:</b>		UNKNOWN TYPE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		180.0			
<b>Formation End Depth:</b>		204.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931071203			
<b>Layer:</b>		1			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		12.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933113913			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		38			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933113914			
<b>Layer:</b>		2			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug From:</b>		180			
<b>Plug To:</b>		204			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961528921			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10599027			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930088168			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		38			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930088169			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		204			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991528921			
<b>Pump Set At:</b>					
<b>Static Level:</b>		79.0			
<b>Final Level After Pumping:</b>		180.0			
<b>Recommended Pump Depth:</b>		175.0			
<b>Pumping Rate:</b>		12.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		12.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934105779			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934389405			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934658580			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934907105			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		79.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933488801			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		176.0			
<b>Water Found Depth UOM:</b>		ft			

[25](#)    1 of 1       **WSW/126.0**    **86.0 / 1.45**    **1154-1208 Old Montreal Rd**  
**Ottawa ON**    **EHS**

<b>Order No:</b>	20160711137	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	18-JUL-16	<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	11-JUL-16	<b>X:</b>	-75.46618
<b>Previous Site Name:</b>		<b>Y:</b>	45.494271
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>			

[26](#)    1 of 1       **W/128.2**    **84.6 / 0.06**    **lot 27 con 1**  
**ON**    **WWIS**

<b>Well ID:</b>	1512408	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	4/24/1973



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1512408.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512408.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1972/07/18  
**Year Completed:** 1972  
**Depth (m):** 25.908  
**Latitude:** 45.4948658530828  
**Longitude:** -75.4666246787785  
**Path:** 151\1512408.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10034399	<b>Elevation:</b>	80.668151
<b>DP2BR:</b>	70.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	463540.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038032.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	18-Jul-1972 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931020545  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 20.0  
**Formation End Depth:** 60.0  
**Formation End Depth UOM:** ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931020546			
<b>Layer:</b>		3			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		60.0			
<b>Formation End Depth:</b>		70.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931020544			
<b>Layer:</b>		1			
<b>Color:</b>		7			
<b>General Color:</b>		RED			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		20.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931020547			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		70.0			
<b>Formation End Depth:</b>		85.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961512408			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pipe ID:</b>		10582969			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060968			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		70			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930060969			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		85			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991512408			
<b>Pump Set At:</b>					
<b>Static Level:</b>		50.0			
<b>Final Level After Pumping:</b>		65.0			
<b>Recommended Pump Depth:</b>		80.0			
<b>Pumping Rate:</b>		7.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		4.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934895926			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		65.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934098051			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		60.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934377445			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		65.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934647770			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		65.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933467864			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		85.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">27</a>	1 of 1	NNE/129.4	88.0 / 3.47	lot 24 con 1 ON	WWIS
<b>Well ID:</b>		1513109		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 4/3/1952	
<b>Sec. Water Use:</b>		0		<b>Selected Flag:</b> True	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 3725	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> CUMBERLAND TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 024	
<b>Well Depth:</b>				<b>Concession:</b> 01	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> OF	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513109.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513109.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1952/02/12  
**Year Completed:** 1952  
**Depth (m):** 28.0416  
**Latitude:** 45.5040531056182  
**Longitude:** -75.4562040569203  
**Path:** 151\1513109.pdf

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

<b>Bore Hole ID:</b>	10035097	<b>Elevation:</b>	87.370666
<b>DP2BR:</b>	20.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464360.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5039048.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	12-Feb-1952 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022442
<b>Layer:</b>	2
<b>Color:</b>	8
<b>General Color:</b>	BLACK
<b>Mat1:</b>	15
<b>Most Common Material:</b>	LIMESTONE
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	20.0
<b>Formation End Depth:</b>	92.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022441
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	14
<b>Most Common Material:</b>	HARDPAN
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	20.0
<b>Formation End Depth UOM:</b>	ft

**Method of Construction & Well**

**Use**

<b>Method Construction ID:</b>	961513109
<b>Method Construction Code:</b>	1
<b>Method Construction:</b>	Cable Tool
<b>Other Method Construction:</b>	

**Pipe Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10583667			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930062181			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		20			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930062182			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		92			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		991513109			
Pump Set At:					
Static Level:		14.0			
Final Level After Pumping:		14.0			
Recommended Pump Depth:					
Pumping Rate:		3.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933468610			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		92.0			
Water Found Depth UOM:		ft			

**28**      1 of 1      **ESE/129.5**      **94.9 / 10.32**      **ON**      **BORE**

**Borehole ID:**      616400      **Inclin FLG:**      No  
**OGF ID:**      215517188      **SP Status:**      Initial Entry

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	DEC-1960			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.49439
<b>Total Depth m:</b>	-999			<b>Longitude DD:</b>	-75.451006
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	464761
<b>Drill Method:</b>				<b>Northing:</b>	5037972
<b>Orig Ground Elev m:</b>	94.5			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	94.9				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

### Borehole Geology Stratum

<b>Geology Stratum ID:</b>	218403837			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	2.7			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sand			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Boulders			<b>Geologic Group:</b>	
<b>Material 3:</b>	Gravel			<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SAND.				
<b>Geology Stratum ID:</b>	218403838			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	2.7			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Limestone			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BEDROCK. GREY. TY = 900. UNSPECIFIED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY =				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				

### Source

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M	<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 089080 NTS_Sheet: 31G06E		
<b>Confiden 1:</b>	Reliable information but incomplete.		

### Source List

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



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">29</a>	1 of 1	W/134.6	73.6 / -10.95	ON	BORE
<b>Borehole ID:</b>	616403			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517191			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	SEP-1959			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.495855
<b>Total Depth m:</b>	44.8			<b>Longitude DD:</b>	-75.467401
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	463481
<b>Drill Method:</b>				<b>Northing:</b>	5038142
<b>Orig Ground Elev m:</b>	74.7			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	71.4				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218403844			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	13.1			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	14			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sand			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SAND.				
<b>Geology Stratum ID:</b>	218403846			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	14.6			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	44.8			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Limestone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	LIMESTONE. 001471ED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY = 19000. K. DA **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratum ID:</b>	218403843			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	13.1			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY.				
<b>Geology Stratum ID:</b>	218403845			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	14			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	14.6			<b>Material Texture:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Gravel			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		GRAVEL.			
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Ident:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 08911 NTS_Sheet:				
<b>Confiden 1:</b>					
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>30</b>	1 of 1	<b>W/134.7</b>	<b>73.6 / -10.95</b>	<b>lot 27 con 1 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	1513130			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	1/19/1960
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513130.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513130.pdf</a>				
<b>Additional Detail(s) (Map)</b>					
<b>Well Completed Date:</b>	1959/09/15				
<b>Year Completed:</b>	1959				
<b>Depth (m):</b>	44.8056				
<b>Latitude:</b>	45.495852806392				
<b>Longitude:</b>	-75.4674007564499				
<b>Path:</b>	151\1513130.pdf				

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

<b>Bore Hole ID:</b>	10035118	<b>Elevation:</b>	71.380737
<b>DP2BR:</b>	48.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	463480.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038142.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	15-Sep-1959 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022490
<b>Layer:</b>	3
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	11
<b>Most Common Material:</b>	GRAVEL
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	46.0
<b>Formation End Depth:</b>	48.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022489
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	09
<b>Most Common Material:</b>	MEDIUM SAND
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	43.0
<b>Formation End Depth:</b>	46.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931022491
<b>Layer:</b>	4
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	15
<b>Most Common Material:</b>	LIMESTONE

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		48.0			
<b>Formation End Depth:</b>		147.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931022488			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		43.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961513130			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583688			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062221			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		49			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062222			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		147			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:	991513130				
Pump Set At:					
Static Level:	71.0				
Final Level After Pumping:	90.0				
Recommended Pump Depth:	80.0				
Pumping Rate:	9.0				
Flowing Rate:					
Recommended Pump Rate:	7.0				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	No				
<b><u>Water Details</u></b>					
Water ID:	933468631				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	147.0				
Water Found Depth UOM:	ft				

<u>31</u>	1 of 1	N/135.0	85.3 / 0.78	ON	BORE
Borehole ID:	616424			Inclin FLG:	No
OGF ID:	215517211			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAY-1970			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.503815
Total Depth m:	25.9			Longitude DD:	-75.457866
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	464231
Drill Method:				Northing:	5039022
Orig Ground Elev m:	83.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	85				
Concession:					
Location D:					
Survey D:					
Comments:					

**Borehole Geology Stratum**

Geology Stratum ID:	218403889	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	2.4	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:		Geologic Group:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		CLAY. GREY.		<b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> 218403890 <b>Top Depth:</b> 2.4 <b>Bottom Depth:</b> 3.7 <b>Material Color:</b> Black <b>Material 1:</b> Muck <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		MUCK. BLACK.		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	muck
<b>Geology Stratum ID:</b> 218403891 <b>Top Depth:</b> 3.7 <b>Bottom Depth:</b> 21.3 <b>Material Color:</b> Blue <b>Material 1:</b> Clay <b>Material 2:</b> Boulders <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		CLAY. BLUE.		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> 218403892 <b>Top Depth:</b> 21.3 <b>Bottom Depth:</b> 25.9 <b>Material Color:</b> Dark <b>Material 1:</b> Limestone <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		LIMESTONE. GREY. 00085= 6600. BEDROCK. SEISMIC VELOCITY = 19000. K. DARK,GREY,SOUND. 0		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>**Note: Many records provided by the department have a truncated [Stratum Description] field.</b>					
<b>Source</b>					
<b>Source Type:</b> Data Survey <b>Source Orig:</b> Geological Survey of Canada <b>Source Date:</b> 1956-1972 <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Details:</b> File: OTTAWA2.txt RecordID: 08932 NTS_Sheet: <b>Confiden 1:</b>		<b>Source Appl:</b> Spatial/Tabular <b>Source Iden:</b> 1 <b>Scale or Res:</b> Varies <b>Horizontal:</b> NAD27 <b>Verticalda:</b> Mean Average Sea Level			
<b>Source List</b>					
<b>Source Identifier:</b> 1 <b>Source Type:</b> Data Survey <b>Source Date:</b> 1956-1972 <b>Scale or Resolution:</b> Varies <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Originators:</b> Geological Survey of Canada		<b>Horizontal Datum:</b> NAD27 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transverse Mercator			

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1 of 1

N/135.7

85.3 / 0.78

lot 25 con 1  
ON

WWIS

Well ID: 1513128

Data Entry Status:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	2/23/1971
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	025
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513128.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513128.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1970/05/04  
**Year Completed:** 1970  
**Depth (m):** 25.908  
**Latitude:** 45.5038214267007  
**Longitude:** -75.4578662607235  
**Path:** 151\1513128.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035116	<b>Elevation:</b>	84.937629
<b>DP2BR:</b>	70.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464230.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5039023.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	04-May-1970 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931022483  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 03  
**Most Common Material:** MUCK  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 8.0



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>			12.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931022484		
<b>Layer:</b>			3		
<b>Color:</b>			3		
<b>General Color:</b>			BLUE		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			13		
<b>Mat2 Desc:</b>			BOULDERS		
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			12.0		
<b>Formation End Depth:</b>			70.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931022485		
<b>Layer:</b>			4		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			15		
<b>Most Common Material:</b>			LIMESTONE		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			70.0		
<b>Formation End Depth:</b>			85.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			931022482		
<b>Layer:</b>			1		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			0.0		
<b>Formation End Depth:</b>			8.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>			961513128		
<b>Method Construction Code:</b>			1		
<b>Method Construction:</b>			Cable Tool		
<b>Other Method Construction:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583686			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062219			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		85			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062218			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		72			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513128			
<b>Pump Set At:</b>					
<b>Static Level:</b>		10.0			
<b>Final Level After Pumping:</b>		50.0			
<b>Recommended Pump Depth:</b>		70.0			
<b>Pumping Rate:</b>		6.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934378035			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		35.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934098922			
<b>Test Type:</b>		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Duration:</b>		15			
<b>Test Level:</b>		25.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934896515			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		45.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934639033			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		45.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933468629			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		85.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">33</a>	1 of 1	WNW/145.7	72.6 / -11.93	lot 27 con 1 ON	WWIS
<b>Well ID:</b>	1532616			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	1/31/2002
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1517
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	235687			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1532616.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532616.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2001/08/27  
**Year Completed:** 2001  
**Depth (m):** 38.4048  
**Latitude:** 45.4982130261681  
**Longitude:** -75.4669313500188

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Path:</b>		153\1532616.pdf			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10523745			<b>Elevation:</b>	72.263320
<b>DP2BR:</b>	0.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved			<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	463519.00
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5038404.00
<b>Open Hole:</b>				<b>Org CS:</b>	N83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	3
<b>Date Completed:</b>	27-Aug-2001 00:00:00			<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>				<b>Location Method:</b>	
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>	1999-2004 MOE Water Well Data Improvement Project				
<b>Improvement Location Method:</b>	GIS10000				
<b>Source Revision Comment:</b>	Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features). well only moved to given lot and con				
<b>Supplier Comment:</b>	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932857286				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	17				
<b>Most Common Material:</b>	SHALE				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	65.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	932857287				
<b>Layer:</b>	2				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	15				
<b>Most Common Material:</b>	LIMESTONE				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	65.0				
<b>Formation End Depth:</b>	126.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>	961532616				
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11072315			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930095234			
<b>Layer:</b>		1			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991532616			
<b>Pump Set At:</b>					
<b>Static Level:</b>		28.0			
<b>Final Level After Pumping:</b>		30.0			
<b>Recommended Pump Depth:</b>		90.0			
<b>Pumping Rate:</b>		20.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		20.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934918846			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		30.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934661545			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		30.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934117410			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		25.0			
Test Level UOM:		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
Pump Test Detail ID:		934400465			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		28.0			
Test Level UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		934016261			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		122.0			
Water Found Depth UOM:		ft			

<u>34</u>	1 of 1	ENE/149.9	89.3 / 4.76	lot 25 con 8 ON	WWIS
<b>Well ID:</b>	1527663				
<b>Construction Date:</b>				<b>Data Entry Status:</b>	
<b>Primary Water Use:</b>	Domestic			<b>Data Src:</b>	1
<b>Sec. Water Use:</b>				<b>Date Received:</b>	2/1/1994
<b>Final Well Status:</b>	Water Supply			<b>Selected Flag:</b>	True
<b>Water Type:</b>				<b>Abandonment Rec:</b>	
<b>Casing Material:</b>				<b>Contractor:</b>	1414
<b>Audit No:</b>	139136			<b>Form Version:</b>	1
<b>Tag:</b>				<b>Owner:</b>	
<b>Construction Method:</b>				<b>Street Name:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA
<b>Elevation Reliability:</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Depth to Bedrock:</b>				<b>Site Info:</b>	
<b>Well Depth:</b>				<b>Lot:</b>	025
<b>Overburden/Bedrock:</b>				<b>Concession:</b>	08
<b>Pump Rate:</b>				<b>Concession Name:</b>	CON
<b>Static Water Level:</b>				<b>Easting NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Northing NAD83:</b>	
<b>Flow Rate:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	

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**Additional Detail(s) (Map)**

**Well Completed Date:** 1993/12/02  
**Year Completed:** 1993  
**Depth (m):** 54.864  
**Latitude:** 45.4990850954425  
**Longitude:** -75.4515177153941  
**Path:** 152\1527663.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10049290	<b>Elevation:</b>	89.593101
<b>DP2BR:</b>	12.00	<b>Elevec:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464723.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038494.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	5
<b>Date Completed:</b>	02-Dec-1993 00:00:00			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>				<b>Location Method:</b>	gis
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931067359			
<b>Layer:</b>		2			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		73			
<b>Mat2 Desc:</b>		HARD			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		12.0			
<b>Formation End Depth:</b>		180.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931067358			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		34			
<b>Most Common Material:</b>		TILL			
<b>Mat2:</b>		13			
<b>Mat2 Desc:</b>		BOULDERS			
<b>Mat3:</b>		73			
<b>Mat3 Desc:</b>		HARD			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		12.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		933112613			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		44			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961527663			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10597860			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930086100			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		44			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930086101			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		180			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991527663			
<b>Pump Set At:</b>					
<b>Static Level:</b>		15.0			
<b>Final Level After Pumping:</b>		170.0			
<b>Recommended Pump Depth:</b>		168.0			
<b>Pumping Rate:</b>		2.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		2.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934111301			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		87.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934386117			
<b>Test Type:</b>		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Duration:</b>		30			
<b>Test Level:</b>		125.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934655864			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		160.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934904235			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		170.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933487184			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		165.0			
<b>Water Found Depth UOM:</b>		ft			

[35](#)    1 of 1    *E/159.0*    94.6 / 10.10    ON    **BORE**

<b>Borehole ID:</b>	616402	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517190	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>	JAN-1966	<b>Municipality:</b>	
<b>Static Water Level:</b>		<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.495747
<b>Total Depth m:</b>	-999	<b>Longitude DD:</b>	-75.449353
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	464891
<b>Drill Method:</b>		<b>Northing:</b>	5038122
<b>Orig Ground Elev m:</b>	97.5	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	96.3		
<b>Concession:</b>			
<b>Location D:</b>			
<b>Survey D:</b>			
<b>Comments:</b>			

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218403841	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	1.8	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Boulders	<b>Geologic Formation:</b>	
<b>Material 2:</b>	Gravel	<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>				<b>Depositional Gen:</b>	
		BOULDERS.			
<b>Geology Stratum ID:</b>	218403842			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	1.8			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Limestone			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b> <b>Stratum Description:</b>		BEDROCK. GREY. 900. UNSPECIFIED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY = 1900 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 089100 NTS_Sheet: 31G06E				
<b>Confiden 1:</b>	Reliable information but incomplete.				
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>36</b>	<b>1 of 1</b>	<b>NE/160.4</b>	<b>89.7 / 5.19</b>	<b>lot 24 con 1 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	1513110			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	9/15/1953
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1526
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	024
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513110.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513110.pdf</a>				

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

Well Completed Date: 1953/07/09  
Year Completed: 1953  
Depth (m): 27.432  
Latitude: 45.5028386775035  
Longitude: -75.4537621808626  
Path: 151\1513110.pdf

Bore Hole Information

Bore Hole ID:	10035098	Elevation:	93.783790
DP2BR:	5.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464550.80
Code OB Desc:	Bedrock	North83:	5038912.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	09-Jul-1953 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 931022443  
Layer: 1  
Color: 3  
General Color: BLUE  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 5.0  
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931022444  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 5.0  
Formation End Depth: 90.0  
Formation End Depth UOM: ft

Method of Construction & Well

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961513110			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583668			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062184			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		90			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062183			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		9			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513110			
<b>Pump Set At:</b>					
<b>Static Level:</b>		11.0			
<b>Final Level After Pumping:</b>		46.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		4.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933468611			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		90.0			
Water Found Depth UOM:		ft			

<a href="#">37</a>	1 of 1	E/164.2	94.5 / 9.99	1373 Cox Country Road Cumberland ON K4C 1N7	EHS
Order No:	20180813185			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	20-AUG-18			Search Radius (km):	.25
Date Received:	13-AUG-18			X:	-75.449345
Previous Site Name:				Y:	45.49595
Lot/Building Size:					
Additional Info Ordered:	City Directory; Aerial Photos				

<a href="#">38</a>	1 of 1	WSW/169.8	84.2 / -0.31	1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON	WWIS
Well ID:	1534641			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	6/7/2004
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1119
Casing Material:				Form Version:	3
Audit No:	Z04889			Owner:	
Tag:	A004703			Street Name:	1154 OLD MONTREAL RD
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	028
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1534641.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534641.pdf)

#### Additional Detail(s) (Map)

Well Completed Date: 2004/04/02  
Year Completed: 2004  
Depth (m): 85.3  
Latitude: 45.4942979736324  
Longitude: -75.4668222038329  
Path: 153\1534641.pdf

#### Bore Hole Information

Bore Hole ID:	11104907	Elevation:	82.109863
DP2BR:	55.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	463525.00
Code OB Desc:	Bedrock	North83:	5037969.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	5
Date Completed:	02-Apr-2004 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	wwr

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932955258			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		16.799999237060547			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		932955259			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		16.799999237060547			
<b>Formation End Depth:</b>		85.30000305175781			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		933248747			
<b>Layer:</b>		2			
<b>Plug From:</b>		14.6000003814697			
<b>Plug To:</b>		0			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		933248746			
<b>Layer:</b>		1			
<b>Plug From:</b>		17.7000007629395			
<b>Plug To:</b>		14.6000003814697			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction ID:</b> 961534641					
<b>Method Construction Code:</b> 5					
<b>Method Construction:</b> Air Percussion					
<b>Other Method Construction:</b>					
 <b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 11109417					
<b>Casing No:</b> 1					
<b>Comment:</b>					
<b>Alt Name:</b>					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> 930837431					
<b>Layer:</b> 1					
<b>Material:</b> 1					
<b>Open Hole or Material:</b> STEEL					
<b>Depth From:</b> 0					
<b>Depth To:</b> 18.2999992370605					
<b>Casing Diameter:</b> 15.8800001144409					
<b>Casing Diameter UOM:</b> cm					
<b>Casing Depth UOM:</b> m					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> 930837432					
<b>Layer:</b> 2					
<b>Material:</b> 4					
<b>Open Hole or Material:</b> OPEN HOLE					
<b>Depth From:</b> 17.7000007629395					
<b>Depth To:</b> 85.3000030517578					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b> cm					
<b>Casing Depth UOM:</b> m					
 <b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b> 11117420					
<b>Pump Set At:</b>					
<b>Static Level:</b> 30.56999969482422					
<b>Final Level After Pumping:</b> 59.29999923706055					
<b>Recommended Pump Depth:</b> 79.19999694824219					
<b>Pumping Rate:</b> 15.100000381469727					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b> 15.100000381469727					
<b>Levels UOM:</b> m					
<b>Rate UOM:</b> LPM					
<b>Water State After Test Code:</b> 1					
<b>Water State After Test:</b> CLEAR					
<b>Pumping Test Method:</b> 1					
<b>Pumping Duration HR:</b> 1					
<b>Pumping Duration MIN:</b> 0					
<b>Flowing:</b>					
 <b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b> 11124745					
<b>Test Type:</b> Draw Down					
<b>Test Duration:</b> 1					
<b>Test Level:</b> 32.439998626708984					
<b>Test Level UOM:</b> m					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124804		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			41.099998474121094		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124799		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			33.20000076293945		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124805		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			20		
<b>Test Level:</b>			43.400001525878906		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124809		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			50		
<b>Test Level:</b>			56.79999923706055		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124818		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			20		
<b>Test Level:</b>			48.599998474121094		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124821		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			40		
<b>Test Level:</b>			41.099998474121094		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11124823		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			60		
<b>Test Level:</b>			36.84000015258789		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		11124743			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		0			
<b>Test Level:</b>		30.56999969482422			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124808			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		54.099998474121094			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124801			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		34.5			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124803			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		38.20000076293945			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124814			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		55.5			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124802			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		35.29999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124806			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		46.29999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124816			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		52.400001525878906			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124800			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		33.900001525878906			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124807			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		48.58000183105469			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124812			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		57.400001525878906			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124813			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		56.400001525878906			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124817			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		50.400001525878906			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124819			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		47.650001525878906			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11124820			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		45.08000183105469			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		11124744			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		0			
<b>Test Level:</b>		59.29999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124815			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		54.900001525878906			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124810			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		59.29999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124811			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		58.400001525878906			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11124822			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		39.0			
<b>Test Level UOM:</b>		m			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934046436			
<b>Layer:</b>		1			
<b>Kind Code:</b>		5			
<b>Kind:</b>		Not stated			
<b>Water Found Depth:</b>		37.5			
<b>Water Found Depth UOM:</b>		m			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934046437			
<b>Layer:</b>		2			
<b>Kind Code:</b>		5			
<b>Kind:</b>		Not stated			
<b>Water Found Depth:</b>		85.30000305175781			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11109416			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		15.239999771118164			
Depth From:		0.0			
Depth To:		85.30000305175781			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[39](#)      1 of 1      **NNE/171.5**      **88.9 / 4.39**      **lot 24 con 1 ON**      **WWIS**

<b>Well ID:</b>	1513927	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	3/18/1974
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1504
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	024
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513927.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513927.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1973/06/14  
**Year Completed:** 1973  
**Depth (m):** 100.584  
**Latitude:** 45.5037459825605  
**Longitude:** -75.4542174894465  
**Path:** 151\1513927.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035909	<b>Elevation:</b>	93.279251
<b>DP2BR:</b>	6.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464515.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5039013.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	6
<b>Date Completed:</b>	14-Jun-1973 00:00:00	<b>UTMRC Desc:</b>	margin of error : 300 m - 1 km
<b>Remarks:</b>		<b>Location Method:</b>	p6
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931024815			
<b>Layer:</b>		3			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		19			
<b>Most Common Material:</b>		SLATE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		20.0			
<b>Formation End Depth:</b>		80.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931024816			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		80.0			
<b>Formation End Depth:</b>		240.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931024817			
<b>Layer:</b>		5			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		19			
<b>Most Common Material:</b>		SLATE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		240.0			
<b>Formation End Depth:</b>		330.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931024814			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		6.0			
<b>Formation End Depth:</b>		20.0			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931024813			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		6.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513927			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10584479			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930063465			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		22			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513927			
<b>Pump Set At:</b>					
<b>Static Level:</b>		80.0			
<b>Final Level After Pumping:</b>		130.0			
<b>Recommended Pump Depth:</b>		200.0			
<b>Pumping Rate:</b>		6.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934099699			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		90.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934899236			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		130.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934380773			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		110.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934641766			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		130.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933469681			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		330.0			
<b>Water Found Depth UOM:</b>		ft			

<b>40</b>	<b>1 of 1</b>	<b>NNE/187.8</b>	<b>87.0 / 2.48</b>	<b>ON</b>	<b>BORE</b>
<b>Borehole ID:</b>	616427			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517214			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	DEC-1968			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.50454
<b>Total Depth m:</b>	77.7			<b>Longitude DD:</b>	-75.456592
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	464331
<b>Drill Method:</b>				<b>Northing:</b>	5039102
<b>Orig Ground Elev m:</b>	83.8			<b>Location Accuracy:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b> 84.5					
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218403900			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	1.2			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY.				
<b>Geology Stratum ID:</b>	218403901			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	1.2			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	74.7			<b>Material Texture:</b>	
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Limestone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	LIMESTONE. GREY.				
<b>Geology Stratum ID:</b>	218403902			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	74.7			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	77.7			<b>Material Texture:</b>	
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SANDSTONE. WHITE. 00255STONE. GREY. 00156BEDROCK. SEISMIC VELOCITY = 19000. K. DAR **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 08935 NTS_Sheet:				
<b>Confiden 1:</b>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<a href="#">41</a>	1 of 1	NNE/188.5	87.0 / 2.48	lot 24 con 1 ON	WWIS
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<b>Well ID:</b>	1513118	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	2/5/1969
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1504
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	024
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513118.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513118.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1968/12/22  
**Year Completed:** 1968  
**Depth (m):** 77.724  
**Latitude:** 45.5045466176796  
**Longitude:** -75.456592065342  
**Path:** 151\1513118.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035106	<b>Elevation:</b>	84.465843
<b>DP2BR:</b>	4.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464330.80
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5039103.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	22-Dec-1968 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931022460  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 05  
**Most Common Material:** CLAY

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		4.0			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931022461			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		4.0			
<b>Formation End Depth:</b>		245.0			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931022462			
<b>Layer:</b>		3			
<b>Color:</b>		1			
<b>General Color:</b>		WHITE			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		245.0			
<b>Formation End Depth:</b>		255.0			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961513118			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
 <b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583676			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062198			
<b>Layer:</b>		1			
<b>Material:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		22			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062199			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		255			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513118			
<b>Pump Set At:</b>					
<b>Static Level:</b>		85.0			
<b>Final Level After Pumping:</b>		85.0			
<b>Recommended Pump Depth:</b>		100.0			
<b>Pumping Rate:</b>		18.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933468619			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		255.0			
<b>Water Found Depth UOM:</b>		ft			

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<b>Well ID:</b>	1513113	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	8/15/1960
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1107
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Lot:	024
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513113.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513113.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 1960/06/30  
Year Completed: 1960  
Depth (m): 39.624  
Latitude: 45.502930210743  
Longitude: -75.4533789049314  
Path: 151\1513113.pdf

**Bore Hole Information**

Bore Hole ID:	10035101	Elevation:	93.733413
DP2BR:	3.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464580.80
Code OB Desc:	Bedrock	North83:	5038922.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	30-Jun-1960 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931022450  
Layer: 2  
Color:  
General Color:  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 3.0  
Formation End Depth: 130.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931022449  
Layer: 1  
Color:  
General Color:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		3.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513113			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583671			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062190			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		130			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062189			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		23			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513113			
<b>Pump Set At:</b>					
<b>Static Level:</b>		16.0			
<b>Final Level After Pumping:</b>		130.0			
<b>Recommended Pump Depth:</b>		50.0			
<b>Pumping Rate:</b>		8.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		3.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b>Water Details</b>					
<b>Water ID:</b>		933468614			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		130.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">43</a>	1 of 1	NE/192.0	89.7 / 5.18	ON	BORE
<b>Borehole ID:</b>	616421			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215517208			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	JUN-1960			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.502932
<b>Total Depth m:</b>	39.6			<b>Longitude DD:</b>	-75.453379
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	464581
<b>Drill Method:</b>				<b>Northing:</b>	5038922
<b>Orig Ground Elev m:</b>	91.4			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	93.7				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

**Borehole Geology Stratam**

<b>Geology Stratam ID:</b>	218403883			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	.9			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	39.6			<b>Material Texture:</b>	
<b>Material Color:</b>	Blue			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Limestone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	LIMESTONE. 0081 GRANITE. BLUE. 002800098OCITY = 6600. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratam ID:</b>	218403882			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.9			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Soil			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SOIL.				

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

**Source Type:** Data Survey  
**Source Orig:** Geological Survey of Canada  
**Source Date:** 1956-1972  
**Confidence:**  
**Observatio:**  
**Source Name:** Urban Geology Automated Information System (UGAIS)  
**Source Details:** File: OTTAWA2.txt RecordID: 08929 NTS\_Sheet:  
**Confiden 1:**

**Source Appl:** Spatial/Tabular  
**Source Iden:** 1  
**Scale or Res:** Varies  
**Horizontal:** NAD27  
**Verticalda:** Mean Average Sea Level

**Source List**

**Source Identifier:** 1  
**Source Type:** Data Survey  
**Source Date:** 1956-1972  
**Scale or Resolution:** Varies  
**Source Name:** Urban Geology Automated Information System (UGAIS)  
**Source Originators:** Geological Survey of Canada

**Horizontal Datum:** NAD27  
**Vertical Datum:** Mean Average Sea Level  
**Projection Name:** Universal Transverse Mercator

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**Borehole ID:** 616428  
**OGF ID:** 215517215  
**Status:**  
**Type:** Borehole  
**Use:**  
**Completion Date:** JUN-1968  
**Static Water Level:**  
**Primary Water Use:**  
**Sec. Water Use:**  
**Total Depth m:** 30.5  
**Depth Ref:** Ground Surface  
**Depth Elev:**  
**Drill Method:**  
**Orig Ground Elev m:** 83.8  
**Elev Reliabil Note:**  
**DEM Ground Elev m:** 85.1  
**Concession:**  
**Location D:**  
**Survey D:**  
**Comments:**

**Inclin FLG:** No  
**SP Status:** Initial Entry  
**Surv Elev:** No  
**Piezometer:** No  
**Primary Name:**  
**Municipality:**  
**Lot:**  
**Township:**  
**Latitude DD:** 45.504545  
**Longitude DD:** -75.455312  
**UTM Zone:** 18  
**Easting:** 464431  
**Northing:** 5039102  
**Location Accuracy:**  
**Accuracy:** Not Applicable

**Borehole Geology Stratum**

**Geology Stratum ID:** 218403903  
**Top Depth:** 0  
**Bottom Depth:** .9  
**Material Color:** Blue  
**Material 1:** Clay  
**Material 2:**  
**Material 3:**  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** CLAY. BLUE.

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

**Geology Stratum ID:** 218403904  
**Top Depth:** .9  
**Bottom Depth:** 30.5  
**Material Color:** Grey

**Mat Consistency:**  
**Material Moisture:**  
**Material Texture:**  
**Non Geo Mat Type:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	Limestone			<b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
		LIMESTONE. GREY. . WHITE. 00255STONE. GREY. 00156BEDROCK. SEISMIC VELOCITY = 19000.			
<b>Source</b>					
<b>Source Type:</b> <b>Source Orig:</b> <b>Source Date:</b> <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> <b>Source Details:</b> <b>Confiden 1:</b>	Data Survey Geological Survey of Canada 1956-1972			<b>Source Appl:</b> <b>Source Iden:</b> <b>Scale or Res:</b> <b>Horizontal:</b> <b>Verticalda:</b>	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
	Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 08936 NTS_Sheet:				
<b>Source List</b>					
<b>Source Identifier:</b> <b>Source Type:</b> <b>Source Date:</b> <b>Scale or Resolution:</b> <b>Source Name:</b> <b>Source Originators:</b>	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			<b>Horizontal Datum:</b> <b>Vertical Datum:</b> <b>Projection Name:</b>	NAD27 Mean Average Sea Level Universal Transverse Mercator

<a href="#"><u>45</u></a>	1 of 1	<b>NNE/193.0</b>	<b>87.9 / 3.37</b>	<b>lot 24 con 1 ON</b>	<b>WWIS</b>
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	1513117 Domestic 0 Water Supply Water Supply			<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	1 2/5/1969 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513117.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513117.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1968/06/29  
**Year Completed:** 1968  
**Depth (m):** 30.48  
**Latitude:** 45.5045517270205  
**Longitude:** -75.4553120323504  
**Path:** 151\1513117.pdf

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10035105			<b>Elevation:</b>	85.034637
<b>DP2BR:</b>	3.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	464430.80
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5039103.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	29-Jun-1968 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931022459				
<b>Layer:</b>	2				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	15				
<b>Most Common Material:</b>	LIMESTONE				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	3.0				
<b>Formation End Depth:</b>	100.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931022458				
<b>Layer:</b>	1				
<b>Color:</b>	3				
<b>General Color:</b>	BLUE				
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	3.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	961513117				
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10583675			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930062196			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		20			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930062197			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		100			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		991513117			
Pump Set At:					
Static Level:		5.0			
Final Level After Pumping:		60.0			
Recommended Pump Depth:		60.0			
Pumping Rate:		6.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933468618			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100.0			
Water Found Depth UOM:		ft			

[46](#)    1 of 1    **NE/193.8**    **89.7 / 5.14**    **1571 SEQUOIA DRIVE**    **HINC**  
**CUMBERLAND ON K4C 1C2**

External File Num: FS INC 0706-03281  
Fuel Occurrence Type: Pipeline Strike

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date of Occurrence:</b>		6/15/2007			
<b>Fuel Type Involved:</b>		Natural Gas			
<b>Status Desc:</b>		Completed - Causal Analysis(End)			
<b>Job Type Desc:</b>		Incident/Near-Miss Occurrence (FS)			
<b>Oper. Type Involved:</b>		Construction Site (pipeline strike)			
<b>Service Interruptions:</b>		No			
<b>Property Damage:</b>		No			
<b>Fuel Life Cycle Stage:</b>		Transmission, Distribution and Transportation			
<b>Root Cause:</b>		Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes			
<b>Reported Details:</b>					
<b>Fuel Category:</b>		Gaseous Fuel			
<b>Occurrence Type:</b>		Incident			
<b>Affiliation:</b>		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
<b>County Name:</b>		Prescott and Russell			
<b>Approx. Quant. Rel:</b>					
<b>Nearby body of water:</b>					
<b>Enter Drainage Syst.:</b>					
<b>Approx. Quant. Unit:</b>					
<b>Environmental Impact:</b>					

[47](#) 1 of 1 SE/213.3 91.9 / 7.34 lot D con 8 ON WWIS

<b>Well ID:</b>	1519783	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	7/25/1985
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1504
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	D
<b>Well Depth:</b>		<b>Concession:</b>	08
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1519783.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519783.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	1985/05/29
<b>Year Completed:</b>	1985
<b>Depth (m):</b>	39.624
<b>Latitude:</b>	45.4912449387282
<b>Longitude:</b>	-75.4515574463685
<b>Path:</b>	151\1519783.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10041636	<b>Elevation:</b>	91.613113
<b>DP2BR:</b>	1.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464715.80

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5037623.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	9
<b>Date Completed:</b>	29-May-1985 00:00:00			<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>				<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

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

**Formation ID:** 931042715  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 1.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931042716  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 1.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931042717  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 130.0  
**Formation End Depth UOM:** ft

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>		961519783			
<i>Method Construction Code:</i>		4			
<i>Method Construction:</i>		Rotary (Air)			
<i>Other Method Construction:</i>					
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>		10590206			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>		930072705			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		20			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>		930072706			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		130			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<i>Pump Test ID:</i>		991519783			
<i>Pump Set At:</i>					
<i>Static Level:</i>		11.0			
<i>Final Level After Pumping:</i>		100.0			
<i>Recommended Pump Depth:</i>		100.0			
<i>Pumping Rate:</i>		18.0			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		10.0			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		934654939			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		11.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934384398			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		11.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934109669			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		11.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934894723			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		11.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933476856			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		124.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">48</a>	1 of 1	NE/223.8	89.4 / 4.82	lot 2 ON	WWIS
<b>Well ID:</b>		1532723		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 4/16/2002	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> True	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 1119	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>		237760		<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> CUMBERLAND TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 002	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1532723.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532723.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2002/02/07  
**Year Completed:** 2002  
**Depth (m):** 79.248  
**Latitude:** 45.5021329007242  
**Longitude:** -75.4524227308516  
**Path:** 153\1532723.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10523851	<b>Elevation:</b>	91.514587
<b>DP2BR:</b>	6.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved	<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464655.00
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038833.00
<b>Open Hole:</b>		<b>Org CS:</b>	N83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3
<b>Date Completed:</b>	07-Feb-2002 00:00:00	<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>		<b>Location Method:</b>	
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>	1999-2004 MOE Water Well Data Improvement Project		
<b>Improvement Location Method:</b>	GIS10000		
<b>Source Revision Comment:</b>	Nothing and/or Easting field has been changed. Location estimated from sketch map.		
<b>Supplier Comment:</b>	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.		

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932857544  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 932857545  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 260.0

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933225369			
<b>Layer:</b>		1			
<b>Plug From:</b>		2			
<b>Plug To:</b>		44			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961532723			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11072421			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930095456			
<b>Layer:</b>		3			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930095454			
<b>Layer:</b>		1			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		8			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930095455			
<b>Layer:</b>		2			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">49</a>	1 of 1	WSW/225.4	77.2 / -7.33	1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON	WWIS
<b>Well ID:</b> 1534642 <b>Construction Date:</b> <b>Primary Water Use:</b> Not Used <b>Sec. Water Use:</b> <b>Final Well Status:</b> Abandoned-Quality <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z04891 <b>Tag:</b> A004710 <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>		<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 6/7/2004 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 1119 <b>Form Version:</b> 3 <b>Owner:</b> <b>Street Name:</b> 1154 OLD MONTREAL RD <b>County:</b> OTTAWA <b>Municipality:</b> CUMBERLAND TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 028 <b>Concession:</b> 01 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>			
<b>PDF URL (Map):</b>		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534642.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534642.pdf</a>			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b> 2004/04/06					
<b>Year Completed:</b> 2004					
<b>Depth (m):</b>					
<b>Latitude:</b> 45.4941870323157					
<b>Longitude:</b> -75.4675379973216					
<b>Path:</b> 153\1534642.pdf					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 11104908		<b>Elevation:</b> 74.444313			
<b>DP2BR:</b>		<b>Elevrc:</b>			
<b>Spatial Status:</b>		<b>Zone:</b> 18			
<b>Code OB:</b> _		<b>East83:</b> 463469.00			
<b>Code OB Desc:</b> No formation data		<b>North83:</b> 5037957.00			
<b>Open Hole:</b>		<b>Org CS:</b> UTM83			
<b>Cluster Kind:</b>		<b>UTMRC:</b> 5			
<b>Date Completed:</b> 06-Apr-2004 00:00:00		<b>UTMRC Desc:</b> margin of error : 100 m - 300 m			
<b>Remarks:</b>		<b>Location Method:</b> wwr			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b> 961534642					
<b>Method Construction Code:</b> 0					
<b>Method Construction:</b> Not Known					
<b>Other Method Construction:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Pipe Information</u></b>					
Pipe ID:		11109418			
Casing No:		1			
Comment:					
Alt Name:					

<a href="#">50</a>	1 of 1	WSW/231.0	77.2 / -7.33	lot 28 con 1 ON	WWIS
Well ID:	1513134			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/27/1963
Sec. Water Use:	0			Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	028
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513134.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513134.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 1963/08/13  
Year Completed: 1963  
Depth (m): 20.1168  
Latitude: 45.4944110998232  
Longitude: -75.4677727831668  
Path: 151\1513134.pdf

**Bore Hole Information**

Bore Hole ID:	10035122	Elevation:	71.379852
DP2BR:	53.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	463450.80
Code OB Desc:	Bedrock	North83:	5037982.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	13-Aug-1963 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock  
Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931022500			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		53.0			
<b>Formation End Depth:</b>		66.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931022499			
<b>Layer:</b>		1			
<b>Color:</b>		3			
<b>General Color:</b>		BLUE			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		53.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513134			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10583692			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062230			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		66			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930062229			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		56			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

**Results of Well Yield Testing**

Pump Test ID:	991513134
Pump Set At:	
Static Level:	32.0
Final Level After Pumping:	45.0
Recommended Pump Depth:	45.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

**Water Details**

Water ID:	933468635
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	66.0
Water Found Depth UOM:	ft

<a href="#">51</a>	1 of 1	W/238.9	68.5 / -16.05	Part Lot 28 Concession 1 OS Cumberland Part 1 Plan 4R24727 Orléans ON K4A 3N6	EHS
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Order No:	20180813026	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Custom Report	Client Prov/State:	ON
Report Date:	23-AUG-18	Search Radius (km):	.25
Date Received:	13-AUG-18	X:	-75.468974
Previous Site Name:		Y:	45.496013
Lot/Building Size:			
Additional Info Ordered:			

<a href="#">52</a>	1 of 1	ENE/239.9	88.9 / 4.39	lot 1 con 1 ON	WWIS
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Well ID:	1532633	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/10/2002
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6006
Casing Material:		Form Version:	1
Audit No:	237303	Owner:	
Tag:		Street Name:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	001
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1532633.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532633.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2001/12/15  
**Year Completed:** 2001  
**Depth (m):** 59.436  
**Latitude:** 45.5002931923569  
**Longitude:** -75.4510256203364  
**Path:** 153\1532633.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10523762	<b>Elevation:</b>	88.968872
<b>DP2BR:</b>	5.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved	<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	464763.00
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5038628.00
<b>Open Hole:</b>		<b>Org CS:</b>	N83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3
<b>Date Completed:</b>	15-Dec-2001 00:00:00	<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>		<b>Location Method:</b>	
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>	1999-2004 MOE Water Well Data Improvement Project		
<b>Improvement Location Method:</b>	GIS10000		
<b>Source Revision Comment:</b>	Lot field has been changed. Reasonably sure well location matches sketch map (similar features).no indication of well on sketch, moved well close to given RD names only		
<b>Supplier Comment:</b>	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.		

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 932857343  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 5.0  
**Formation End Depth:** 195.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932857342			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		13			
<b>Mat2 Desc:</b>		BOULDERS			
<b>Mat3:</b>		77			
<b>Mat3 Desc:</b>		LOOSE			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		5.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933225293			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		40			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961532633			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11072332			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930095264			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930095265			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991532633			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20.0			
<b>Final Level After Pumping:</b>		190.0			
<b>Recommended Pump Depth:</b>		190.0			
<b>Pumping Rate:</b>		3.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		2.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934400478			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		100.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934918859			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934117423			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		150.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934661558			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		50.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934016280			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		150.0			
<b>Water Found Depth UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<a href="#">53</a>	1 of 1	W/245.2	67.3 / -17.27	1123 Old Montreal Rd Ottawa ON K4A3N6	EHS
<b>Order No:</b>		20180323180		<b>Nearest Intersection:</b>	
<b>Status:</b>		C		<b>Municipality:</b>	
<b>Report Type:</b>		Standard Report		<b>Client Prov/State:</b> ON	
<b>Report Date:</b>		02-APR-18		<b>Search Radius (km):</b> .25	
<b>Date Received:</b>		23-MAR-18		<b>X:</b> -75.469172	
<b>Previous Site Name:</b>				<b>Y:</b> 45.496312	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

# Unplottable Summary

Total: **64** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CUMBERLAND TOWNSHIP	OLD MONTREAL RD./BECKETT'S CK.	CUMBERLAND TWP. ON	
CA	R.M. OF OTTAWA-CARLETON	CUMMINGS BRIDGE, LOT C/CON.D	OTTAWA CITY ON	
ECA	SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc. and EllisDon	Corporation Along Queen Street and in vicinity of West and East Portal Locations	Ottawa ON	K1Z 1G3
GEN	NATIONAL CAPITAL COMMISSION	LOT 25,26,27	OTTAWA ON	K1P 1C7
RSC		Part Lot 23	Ottawa ON	
RSC		Part Lot 23, Township of Gloucester	Ottawa ON	
SPL	Stinson Fuels <UNOFFICIAL>	just west of Wilhaven Dr.	Ottawa ON	
SPL	OLRT Constructors	Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean	Ottawa ON	
SPL	Enbridge Gas Distribution Inc.	Queen Street	Ottawa ON	
SPL	PAUL'S BACKHOE SERVICE	HWY 34 NORTH 5 - 5.5 MILES NORTH OF HWY 417 EAST 333 CHAMPLAIN ST., HAWKESBURY, ONT.	OTTAWA CITY ON	
WWIS		lot 24	ON	
WWIS		lot 23	ON	
WWIS		lot 24	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 26	ON	

WWIS	lot 27	ON
WWIS	lot 25	ON
WWIS	lot 27	ON
WWIS	lot 26	ON
WWIS	lot 26	ON
WWIS	lot 26	ON
WWIS	lot 23	ON
WWIS	lot 26	ON
WWIS	lot 25	ON
WWIS	lot 27	ON
WWIS	lot 28	ON
WWIS	lot 27	ON
WWIS	lot 26	ON
WWIS	lot 25	ON
WWIS	lot 28	ON
WWIS	lot 25	ON
WWIS	lot 28	ON
WWIS	lot 23	ON
WWIS	lot 28	ON
WWIS	lot 23	ON
WWIS	lot 27	ON
WWIS	lot 23	ON
WWIS	lot 26	ON
WWIS	lot 23	ON

WWIS	lot 28	ON
WWIS	lot 28	ON
WWIS	lot 25	ON
WWIS	lot 24	ON
WWIS	lot 27	ON
WWIS	lot 27	ON
WWIS	lot 24	ON
WWIS	lot 27	ON
WWIS	lot 28	ON
WWIS	lot 24	ON
WWIS	lot 23	ON
WWIS	lot 23	ON
WWIS	lot 28	ON
WWIS	lot 24	ON
WWIS	lot 24	ON
WWIS	lot 23	ON
WWIS	lot 28	ON
WWIS	lot 26	ON
WWIS	lot 25	ON
WWIS	lot 28	ON
WWIS	lot 26	ON
WWIS	lot 26	ON
WWIS	lot 25	ON



# Unplottable Report

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**Site:** CUMBERLAND TOWNSHIP  
OLD MONTREAL RD./BECKETT'S CK. CUMBERLAND TWP. ON

**Database:**  
CA

**Certificate #:** 3-0306-95-  
**Application Year:** 95  
**Issue Date:** 4/20/1995  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
CUMMINGS BRIDGE, LOT C/CON.D OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-0350-96-  
**Application Year:** 96  
**Issue Date:** 6/20/1996  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc. and EllisDon  
Corporation Along Queen Street and in vicinity of West and East Portal Locations Ottawa ON K1Z 1G3

**Database:**  
ECA

**Approval No:** 9689-AM3NJL  
**Approval Date:** 2017-11-22  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc. and EllisDon Corporation  
**Address:** Along Queen Street and in vicinity of West and East Portal Locations  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0219-AGVQPH-14.pdf>

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

---

**Site:** NATIONAL CAPITAL COMMISSION  
LOT 25,26,27 OTTAWA ON K1P 1C7

**Database:**  
GEN

**Generator No:** ON9920165  
**Status:**  
**PO Box No:**  
**Country:**



**Approval Years:** 2010  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 712190  
**SIC Description:** Other Heritage Institutions

**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Site:**  
**Part Lot 23 Ottawa ON**

**Database:**  
**RSC**

**RSC ID:**  
**RA No:**  
**RSC Type:**  
**Curr Property Use:**  
**Ministry District:** Ottawa  
**Filing Date:** 07/05/01  
**Date Ack:** 08/14/01  
**Date Returned:**  
**Restoration Type:** Generic  
**Soil Type:** Medium/Fine  
**Criteria:** Res/parkland + Nonpotable  
**CPU Issued Sect 1686:**  
**Asmt Roll No:**  
**Prop ID No (PIN):**  
**Property Municipal Address:**  
**Mailing Address:**  
**Latitude & Latitude:**  
**UTM Coordinates:**  
**Consultant:** DST Consulting Engineers Inc.  
**Legal Desc:**  
**Measurement Method:**  
**Applicable Standards:**  
**RSC PDF:**

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

**Site:**  
**Part Lot 23, Township of Gloucester Ottawa ON**

**Database:**  
**RSC**

**RSC ID:**  
**RA No:**  
**RSC Type:**  
**Curr Property Use:**  
**Ministry District:** Ottawa  
**Filing Date:** 07/05/01  
**Date Ack:**  
**Date Returned:** 07/23/01  
**Restoration Type:**  
**Soil Type:**  
**Criteria:**  
**CPU Issued Sect 1686:**  
**Asmt Roll No:**  
**Prop ID No (PIN):**  
**Property Municipal Address:**  
**Mailing Address:**  
**Latitude & Latitude:**  
**UTM Coordinates:**  
**Consultant:** DST Consulting Engineers Inc.  
**Legal Desc:**  
**Measurement Method:**  
**Applicable Standards:**  
**RSC PDF:**

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

**Site:** *Stinson Fuels <UNOFFICIAL>*  
*just west of Wilhaven Dr. Ottawa ON*

**Database:**  
*SPL*

**Ref No:** 1011-8MSV83  
**Site No:**  
**Incident Dt:** 10/19/2011  
**Year:**  
**Incident Cause:** Container Leak (Fuel Tank Barrels)  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** FURNACE OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/19/2011  
**Dt Document Closed:** 11/19/2011  
**Incident Reason:** Other - Reason not otherwise defined  
**Site Name:** on Millburn Crescent <UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Stinson Fuels -5 L furnace oil and 4 L of diesel to ground.  
**Contaminant Qty:** 5 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Tank Truck  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** just west of Wilhaven Dr.  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** *OLRT Constructors*  
*Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean Ottawa ON*

**Database:**  
*SPL*

**Ref No:** 2862-9XEKED  
**Site No:** 0706-92ET4A  
**Incident Dt:** 6/12/2015  
**Year:**  
**Incident Cause:** Leak/Break  
**Incident Event:**  
**Contaminant Code:** 15  
**Contaminant Name:** HYDRAULIC OIL  
  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:** Land  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** N  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 6/12/2015  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure  
**Site Name:** Ottawa Light Rail Transit - East Portal  
**Site County/District:**  
**Site Geo Ref Meth:** 1-10 metres eg. Good Quality GPS  
**Incident Summary:** OLRT: hyd oil to grd, ctnd cing 2 L  
**Contaminant Qty:** 2 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean  
  
**Site District Office:**  
**Site Postal Code:** NA  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:** 5030149  
**Easting:** 446343  
**Site Geo Ref Accu:** GIS Software  
**Site Map Datum:** NAD83  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** *Enbridge Gas Distribution Inc.*  
*Queen Street Ottawa ON*

**Database:**  
*SPL*

**Ref No:** 0238-62NQJF

**Discharger Report:**

**Site No:**  
**Incident Dt:** 7/7/2004  
**Year:**  
**Incident Cause:** Pipe Or Hose Leak  
**Incident Event:**  
**Contaminant Code:** 35  
**Contaminant Name:** NATURAL GAS (METHANE)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Human Health/Safety  
**Receiving Medium:** Air  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/7/2004  
**Dt Document Closed:**  
**Incident Reason:** Error- Operator error  
**Site Name:** QUEEN STREET<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Queen St.: 4" Gas main hit, evacuations  
**Contaminant Qty:**

**Material Group:** Gases/Particulate  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Pipeline  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:** Eastern  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** M.C.B.S. - Fuel Safety  
**Source Type:**

**Site:** PAUL'S BACKHOE SERVICE  
 HWY 34 NORTH 5 - 5.5 MILES NORTH OF HWY 417 EAST 333 CHAMPLAIN ST., HAWKESBURY, ONT. OTTAWA  
 CITY ON

**Database:**  
 SPL

**Ref No:** 224046  
**Site No:**  
**Incident Dt:** 4/15/2002  
**Year:**  
**Incident Cause:** UNKNOWN  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND / WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/15/2002  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** PAUL'S BACKHOE SERVICE SPILL UNKNOWN VOL OF GAS & WATER, CONTAINED  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20107  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** lot 24 ON

**Database:**  
 WWIS

**Well ID:** 1523895  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 44248

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/12/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**

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

Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 024  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10045667  
DP2BR: 30.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 14-Sep-1989 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

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

Formation ID: 931056118  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 30.0  
Formation End Depth: 295.0  
Formation End Depth UOM: ft

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

Formation ID: 931056116  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 18.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931056117  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 18.0  
**Formation End Depth:** 30.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110465  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 41  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961523895  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594237  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079936  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 41  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523895  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:** 275.0  
**Recommended Pump Depth:** 280.0  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 6.0  
**Levels UOM:** ft  
**Rate UOM:** GPM

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

**Draw Down & Recovery**

Pump Test Detail ID: 934909064  
Test Type:  
Test Duration: 60  
Test Level: 275.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934390886  
Test Type:  
Test Duration: 30  
Test Level: 250.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934651860  
Test Type:  
Test Duration: 45  
Test Level: 275.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934106657  
Test Type:  
Test Duration: 15  
Test Level: 200.0  
Test Level UOM: ft

**Water Details**

Water ID: 933482333  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 240.0  
Water Found Depth UOM: ft

**Site:** lot 23 ON

**Database:**  
WWIS

Well ID: 1523836  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 68219  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:

Data Entry Status:  
Data Src: 1  
Date Received: 9/6/1989  
Selected Flag: True  
Abandonment Rec:  
Contractor: 3749  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 023

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

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

**Bore Hole Information**

**Bore Hole ID:** 10045609  
**DP2BR:** 0.00  
**Spatial Status:**  
**Code OB:** h  
**Code OB Desc:** Mixed in a Layer  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 22-Aug-1989 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931055900  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:** 77  
**Mat3 Desc:** LOOSE  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 14.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931055901  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 14.0  
**Formation End Depth:** 315.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933110437  
**Layer:** 1

**Plug From:** 4  
**Plug To:** 41  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961523836  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594179  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079826  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 41  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523836  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:** 200.0  
**Recommended Pump Depth:** 300.0  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 6.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 15  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651811  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 200.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933482251  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH



Water Found Depth: 230.0  
Water Found Depth UOM: ft

Water Details

Water ID: 933482252  
Layer: 3  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 280.0  
Water Found Depth UOM: ft

Water Details

Water ID: 933482253  
Layer: 4  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 305.0  
Water Found Depth UOM: ft

Water Details

Water ID: 933482250  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 160.0  
Water Found Depth UOM: ft

Site: lot 24 ON

Database:  
WWIS

Well ID: 1531870  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 215692  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 5/23/2001  
Selected Flag: True  
Abandonment Rec:  
Contractor: 1517  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 024  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10053404  
DP2BR: 35.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 24-Apr-2001 00:00:00  
Remarks:

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

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

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

*Formation ID:* 931079767  
*Layer:* 4  
*Color:* 2  
*General Color:* GREY  
*Mat1:* 15  
*Most Common Material:* LIMESTONE  
*Mat2:* 26  
*Mat2 Desc:* ROCK  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 35.0  
*Formation End Depth:* 120.0  
*Formation End Depth UOM:* ft

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

*Formation ID:* 931079764  
*Layer:* 1  
*Color:* 6  
*General Color:* BROWN  
*Mat1:* 05  
*Most Common Material:* CLAY  
*Mat2:*  
*Mat2 Desc:*  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 0.0  
*Formation End Depth:* 7.0  
*Formation End Depth UOM:* ft

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

*Formation ID:* 931079766  
*Layer:* 3  
*Color:* 2  
*General Color:* GREY  
*Mat1:* 11  
*Most Common Material:* GRAVEL  
*Mat2:*  
*Mat2 Desc:*  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 25.0  
*Formation End Depth:* 35.0  
*Formation End Depth UOM:* ft

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

*Formation ID:* 931079765  
*Layer:* 2  
*Color:* 6  
*General Color:* BROWN

**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 7.0  
**Formation End Depth:** 25.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933117005  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 35  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961531870  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10601974  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930093579  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991531870  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 40.0  
**Recommended Pump Depth:** 60.0  
**Pumping Rate:** 30.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 15.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 30  
**Flowing:** No

Draw Down & Recovery

**Pump Test Detail ID:** 934658781  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 38.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934398818  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 35.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934114646  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 30.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934915532  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 40.0  
**Test Level UOM:** ft

Water Details

**Water ID:** 933492478  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 118.0  
**Water Found Depth UOM:** ft

**Site:** lot 28 ON

**Database:** WWIS

**Well ID:** 1523901  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 44263  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/12/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10045673  
**DP2BR:** 35.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 06-Sep-1989 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056140  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 12.0  
**Formation End Depth:** 27.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056139  
**Layer:** 1  
**Color:** 7  
**General Color:** RED  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 12.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056141  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:** 12

**Mat3 Desc:** STONES  
**Formation Top Depth:** 27.0  
**Formation End Depth:** 35.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931056142  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 35.0  
**Formation End Depth:** 50.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110471  
**Layer:** 1  
**Plug From:** 2  
**Plug To:** 35  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961523901  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594243  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079942  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 35  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523901  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:** 30.0

**Recommended Pump Depth:** 35.0  
**Pumping Rate:** 45.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 25.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934106662  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 25.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934909069  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390891  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 28.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651865  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933482338  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 48.0  
**Water Found Depth UOM:** ft

**Site:** lot 28 ON

**Database:**  
**WWIS**

**Well ID:** 1523902  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/12/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1

**Audit No:** 44243  
**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:**

**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10045674  
**DP2BR:** 31.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 06-Sep-1989 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056143  
**Layer:** 1  
**Color:** 7  
**General Color:** RED  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 11.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056145  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 26.0  
**Formation End Depth:** 31.0  
**Formation End Depth UOM:** ft



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

**Formation ID:** 931056144  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 11.0  
**Formation End Depth:** 26.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931056146  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 31.0  
**Formation End Depth:** 45.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933110472  
**Layer:** 1  
**Plug From:** 2  
**Plug To:** 31  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961523902  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594244  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079943  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL

**Depth From:**  
**Depth To:** 31  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523902  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:** 35.0  
**Recommended Pump Depth:** 35.0  
**Pumping Rate:** 50.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 30.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 1  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390892  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934106663  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 28.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934909070  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 35.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651866  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 35.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933482339  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 42.0

Water Found Depth UOM: ft

**Site:**  
lot 26 ON

**Database:**  
WWIS

**Well ID:** 1523909  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** Commerical  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 67103  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/4/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10045681  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** o  
**Code OB Desc:** Overburden  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 25-Sep-1989 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056168  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 11.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931056170  
**Layer:** 3

**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 29  
**Mat2 Desc:** FINE GRAVEL  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 64.0  
**Formation End Depth:** 70.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931056169  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 11.0  
**Formation End Depth:** 64.0  
**Formation End Depth UOM:** ft

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

**Method Construction ID:** 961523909  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594251  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079950  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 70  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523909  
**Pump Set At:**  
**Static Level:** 32.0  
**Final Level After Pumping:** 56.0  
**Recommended Pump Depth:** 62.0  
**Pumping Rate:** 35.0  
**Flowing Rate:**

**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 35  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390899  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 48.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651873  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 55.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934909077  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 56.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934106670  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 39.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933482346  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 70.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 27 ON

**Database:**  
WWIS

**Well ID:** 1524452  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 53612  
**Tag:**  
**Construction Method:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 5/3/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 6006  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA

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

Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 027  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10046202  
DP2BR: 43.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 06-Apr-1990 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

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

Formation ID: 931057971  
Layer: 2  
Color: 3  
General Color: BLUE  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 85  
Mat2 Desc: SOFT  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 15.0  
Formation End Depth: 28.0  
Formation End Depth UOM: ft

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

Formation ID: 931057972  
Layer: 3  
Color: 8  
General Color: BLACK  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2: 73  
Mat2 Desc: HARD  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 28.0  
Formation End Depth: 43.0  
Formation End Depth UOM: ft

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

**Formation ID:** 931057973  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 43.0  
**Formation End Depth:** 44.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931057970  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:** 73  
**Mat3 Desc:** HARD  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 15.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110747  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961524452  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594772  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930080907  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 44  
**Casing Diameter:** 6

Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930080906  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 43  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991524452  
Pump Set At:  
Static Level: 5.0  
Final Level After Pumping: 15.0  
Recommended Pump Depth: 40.0  
Pumping Rate: 15.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 2  
Pumping Duration HR: 2  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934393058  
Test Type:  
Test Duration: 30  
Test Level: 15.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934902406  
Test Type:  
Test Duration: 60  
Test Level: 15.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934108831  
Test Type:  
Test Duration: 15  
Test Level: 15.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934653605  
Test Type:  
Test Duration: 45  
Test Level: 15.0



Test Level UOM: ft

**Water Details**

Water ID: 933483094  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 43.0  
Water Found Depth UOM: ft

**Site:**  
lot 25 ON

**Database:**  
[WWIS](#)

Well ID:	1524455	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	5/1/1990
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	67142	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
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:	10046205	Elevation:	
DP2BR:	14.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	28-Feb-1990 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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

Formation ID: 931057982  
Layer: 2  
Color: 3  
General Color: BLUE  
Mat1: 17  
Most Common Material: SHALE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:

**Formation Top Depth:** 14.0  
**Formation End Depth:** 84.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931057981  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 14.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933110749  
**Layer:** 1  
**Plug From:** 4  
**Plug To:** 37  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961524455  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594775  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930080911  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 37  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991524455  
**Pump Set At:**  
**Static Level:** 19.0  
**Final Level After Pumping:** 80.0  
**Recommended Pump Depth:** 80.0

**Pumping Rate:** 6.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 3.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 35  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934108834  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 64.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934653608  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 80.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934902409  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 80.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934393061  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 78.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933483097  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 73.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 27 ON

**Database:**  
WWIS

**Well ID:** 1524477  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 66786

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 5/22/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**

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

Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 027  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10046227  
DP2BR: 6.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 13-Mar-1990 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

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

Formation ID: 931058055  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 6.0  
Formation End Depth: 80.0  
Formation End Depth UOM: ft

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

Formation ID: 931058056  
Layer: 3  
Color: 6  
General Color: BROWN  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 80.0  
Formation End Depth: 210.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931058054  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931058057  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 210.0  
**Formation End Depth:** 290.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110768  
**Layer:** 1  
**Plug From:** 2  
**Plug To:** 40  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961524477  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594797  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930080933  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**

**Depth To:** 40  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991524477  
**Pump Set At:**  
**Static Level:** 20.0  
**Final Level After Pumping:** 200.0  
**Recommended Pump Depth:** 200.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934108856  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 160.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934654049  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 200.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934393083  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934902431  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 200.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933483119  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 288.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 26 ON

**Database:**  
WWIS

**Well ID:** 1524551  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 67152  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 6/6/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10046301  
**DP2BR:** 13.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 22-May-1990 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931058308  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 13.0  
**Formation End Depth:** 171.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931058307  
**Layer:** 1  
**Color:** 6

**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 13.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110803  
**Layer:** 1  
**Plug From:** 4  
**Plug To:** 27  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961524551  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594871  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930081061  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 27  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991524551  
**Pump Set At:**  
**Static Level:** 8.0  
**Final Level After Pumping:** 162.0  
**Recommended Pump Depth:** 165.0  
**Pumping Rate:** 3.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 3.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 50  
**Flowing:** No



**Draw Down & Recovery**

**Pump Test Detail ID:** 934384760  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 105.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934902503  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 162.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934108928  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 90.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934654121  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 160.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933483210  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 85.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 26 ON

**Database:**  
WWIS

**Well ID:** 1524564  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 53624  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 6/18/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 6006  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

Clear/Cloudy:

**Bore Hole Information**

**Bore Hole ID:** 10046314  
**DP2BR:** 35.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 08-May-1990 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931058343  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 80  
**Mat2 Desc:** POROUS  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 35.0  
**Formation End Depth:** 48.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931058344  
**Layer:** 5  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 48.0  
**Formation End Depth:** 50.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931058340  
**Layer:** 1  
**Color:** 7  
**General Color:** RED  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT

**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931058341  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 32.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931058342  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 32.0  
**Formation End Depth:** 35.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933110815  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961524564  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594884  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930081081  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 48  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930081082  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 50  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991524564  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 35.0  
**Recommended Pump Depth:** 45.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934108937  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 35.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934902511  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 35.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934654130  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 35.0

Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934384769  
Test Type:  
Test Duration: 30  
Test Level: 35.0  
Test Level UOM: ft

**Water Details**

Water ID: 933483222  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 49.0  
Water Found Depth UOM: ft

**Site:** lot 26 ON

**Database:**  
[WWIS](#)

Well ID:	1531565	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	11/17/2000
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1414
Casing Material:		Form Version:	1
Audit No:	224530	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	026
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:	10053099	Elevation:	
DP2BR:	27.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	03-Nov-2000 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931078865

Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 34  
Most Common Material: TILL  
Mat2: 13  
Mat2 Desc: BOULDERS  
Mat3: 73  
Mat3 Desc: HARD  
Formation Top Depth: 10.0  
Formation End Depth: 27.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931078864  
Layer: 1  
Color: 7  
General Color: RED  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 66  
Mat2 Desc: DENSE  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 10.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931078866  
Layer: 3  
Color: 3  
General Color: BLUE  
Mat1: 17  
Most Common Material: SHALE  
Mat2: 80  
Mat2 Desc: POROUS  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 27.0  
Formation End Depth: 78.0  
Formation End Depth UOM: ft

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 933116736  
Layer: 1  
Plug From: 0  
Plug To: 27  
Plug Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961531565  
Method Construction Code: 4  
Method Construction: Rotary (Air)  
Other Method Construction:

**Pipe Information**

**Pipe ID:** 10601669  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930092990  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 8  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930092992  
**Layer:** 3  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930092991  
**Layer:** 2  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991531565  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 70.0  
**Recommended Pump Depth:** 70.0  
**Pumping Rate:** 5.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 4.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934113982  
**Test Type:** Recovery

Test Duration: 15  
Test Level: 15.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934915007  
Test Type: Recovery  
Test Duration: 60  
Test Level: 6.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397181  
Test Type: Recovery  
Test Duration: 30  
Test Level: 10.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658116  
Test Type: Recovery  
Test Duration: 45  
Test Level: 8.0  
Test Level UOM: ft

Water Details

Water ID: 933492074  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 60.0  
Water Found Depth UOM: ft

Site: lot 23 ON

Database:  
[WWIS](#)

Well ID: 1536189  
Construction Date:  
Primary Water Use:  
Sec. Water Use:  
Final Well Status:  
Water Type:  
Casing Material:  
Audit No: Z17660  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src:  
Date Received: 1/17/2006  
Selected Flag: True  
Abandonment Rec:  
Contractor: 6907  
Form Version: 3  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 023  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11550255 Elevation:



**DP2BR:**  
**Spatial Status:**  
**Code OB:** u  
**Code OB Desc:** all layers are unknown type  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 08-Dec-2005 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

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

**Formation ID:** 933043023  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:**  
**Most Common Material:**  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 158.0  
**Formation End Depth UOM:** ft

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

**Method Construction ID:** 961536189  
**Method Construction Code:** B  
**Method Construction:** Other Method  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11559862  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Results of Well Yield Testing**

**Pump Test ID:** 11569338  
**Pump Set At:** 134.0  
**Static Level:** 40.0  
**Final Level After Pumping:**  
**Recommended Pump Depth:**  
**Pumping Rate:**  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**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:**

**Site:**  
lot 26 ON

**Database:**  
WWIS

**Well ID:** 1534091  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 259375  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 9/9/2003  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10543206  
**DP2BR:** 12.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 06-Aug-2003 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

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

**Formation ID:** 932925027  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 12.0  
**Formation End Depth:** 250.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 932925028  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN

**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 250.0  
**Formation End Depth:** 282.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 932925025  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 3.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 932925026  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 3.0  
**Formation End Depth:** 12.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933240978  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 40  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961534091  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11091776  
**Casing No:** 1

**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930098253  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991534091  
**Pump Set At:**  
**Static Level:** 150.0  
**Final Level After Pumping:** 260.0  
**Recommended Pump Depth:** 270.0  
**Pumping Rate:** 7.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 6.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934657194  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 250.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934914641  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 260.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934113620  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 200.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934397234  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 240.0

Test Level UOM: ft

**Water Details**

Water ID: 934037010  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 280.0  
Water Found Depth UOM: ft

**Site:**  
lot 25 ON

**Database:**  
WWIS

Well ID:	1533937	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/9/2003
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6006
Casing Material:		Form Version:	1
Audit No:	263121	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
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:	10543052	Elevation:	
DP2BR:	67.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	26-Jun-2003 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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

Formation ID: 932924628  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 85  
Mat2 Desc: SOFT  
Mat3:  
Mat3 Desc:

**Formation Top Depth:** 0.0  
**Formation End Depth:** 18.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 932924631  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 67.0  
**Formation End Depth:** 94.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 932924629  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 18.0  
**Formation End Depth:** 63.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 932924630  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 63.0  
**Formation End Depth:** 67.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933240828  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well**

Use

**Method Construction ID:** 961533937  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

Pipe Information

**Pipe ID:** 11091622  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

Construction Record - Casing

**Casing ID:** 930097906  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

Construction Record - Casing

**Casing ID:** 930097907  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

Results of Well Yield Testing

**Pump Test ID:** 991533937  
**Pump Set At:**  
**Static Level:** 45.0  
**Final Level After Pumping:** 94.0  
**Recommended Pump Depth:** 88.0  
**Pumping Rate:** 11.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 9.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

Draw Down & Recovery

**Pump Test Detail ID:** 934914085  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 75.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934396678  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 75.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934113064  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 75.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934656638  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 75.0  
**Test Level UOM:** ft

Water Details

**Water ID:** 934036776  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 67.0  
**Water Found Depth UOM:** ft

**Site:** lot 27 ON

**Database:**  
WWIS

<b>Well ID:</b>	1532811	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	5/6/2002
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1517
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>	235694	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	027
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

Bore Hole Information

<b>Bore Hole ID:</b>	10523939	<b>Elevation:</b>	
<b>DP2BR:</b>	11.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	



Open Hole:  
Cluster Kind:  
Date Completed: 05-Apr-2002 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

Overburden and Bedrock  
Materials Interval

Formation ID: 932857800  
Layer: 4  
Color: 6  
General Color: BROWN  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2: 26  
Mat2 Desc: ROCK  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 200.0  
Formation End Depth: 260.0  
Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 932857799  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2: 26  
Mat2 Desc: ROCK  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 14.0  
Formation End Depth: 200.0  
Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 932857797  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 14  
Most Common Material: HARDPAN  
Mat2: 05  
Mat2 Desc: CLAY  
Mat3: 12  
Mat3 Desc: STONES  
Formation Top Depth: 0.0  
Formation End Depth: 11.0  
Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

**Formation ID:** 932857798  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 11.0  
**Formation End Depth:** 14.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933225449  
**Layer:** 1  
**Plug From:** 3  
**Plug To:** 42  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961532811  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11072509  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930095644  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991532811  
**Pump Set At:**  
**Static Level:** 120.0  
**Final Level After Pumping:** 230.0  
**Recommended Pump Depth:** 250.0  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2

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

**Draw Down & Recovery**

**Pump Test Detail ID:** 934401586  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 210.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934662109  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 220.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934117974  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 190.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934919410  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 230.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 934016522  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 255.0  
**Water Found Depth UOM:** ft

**Site:** lot 28 ON

**Database:**  
[WWIS](#)

**Well ID:** 1531002  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 191606  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 1/21/2000  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**

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

Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10052536  
DP2BR: 106.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 27-Oct-1999 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931077216  
Layer: 2  
Color: 4  
General Color: GREEN  
Mat1: 28  
Most Common Material: SAND  
Mat2:  
Mat3 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 4.0  
Formation End Depth: 18.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931077220  
Layer: 6  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2: 26  
Mat2 Desc: ROCK  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 106.0  
Formation End Depth: 108.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931077219  
Layer: 5  
Color: 2  
General Color: GREY  
Mat1: 05

**Most Common Material:** CLAY  
**Mat2:** 08  
**Mat2 Desc:** FINE SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 100.0  
**Formation End Depth:** 106.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931077215  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 00  
**Most Common Material:** UNKNOWN TYPE  
**Mat2:** 81  
**Mat2 Desc:** SANDY  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931077217  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 05  
**Mat2 Desc:** CLAY  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 18.0  
**Formation End Depth:** 38.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931077218  
**Layer:** 4  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 38.0  
**Formation End Depth:** 100.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933116179  
**Layer:** 1

**Plug From:** 3  
**Plug To:** 22  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961531002  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10601106  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930091783  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 110  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991531002  
**Pump Set At:**  
**Static Level:** 15.0  
**Final Level After Pumping:** 30.0  
**Recommended Pump Depth:** 60.0  
**Pumping Rate:** 30.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 12.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:**  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934395435  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 26.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934903896  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 30.0

Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934120579  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934664717  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 30.0  
Test Level UOM: ft

**Water Details**

Water ID: 933491324  
Layer: 1  
Kind Code: 2  
Kind: SALTY  
Water Found Depth: 106.0  
Water Found Depth UOM: ft

**Site:**  
lot 27 ON

**Database:**  
WWIS

Well ID: 1529773  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 184958  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 12/11/1997  
Selected Flag: True  
Abandonment Rec:  
Contractor: 6006  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 027  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10051308  
DP2BR:  
Spatial Status:  
Code OB: o  
Code OB Desc: Overburden  
Open Hole:  
Cluster Kind:  
Date Completed: 19-Nov-1997 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:

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

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

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

**Formation ID:** 931073780  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 17.0  
**Formation End Depth:** 27.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931073779  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 17.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933114842  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961529773  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599878  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**



**Casing ID:** 930089576  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 27  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991529773  
**Pump Set At:**  
**Static Level:** 10.0  
**Final Level After Pumping:** 10.0  
**Recommended Pump Depth:** 25.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934391686  
**Test Type:** Recovery  
**Test Duration:** 30  
**Test Level:** 10.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934660848  
**Test Type:** Recovery  
**Test Duration:** 45  
**Test Level:** 10.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934116712  
**Test Type:** Recovery  
**Test Duration:** 15  
**Test Level:** 10.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934909804  
**Test Type:** Recovery  
**Test Duration:** 60  
**Test Level:** 10.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933489829

Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 27.0  
Water Found Depth UOM: ft

**Site:**  
lot 26 ON

**Database:**  
WWIS

Well ID: 1529608  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 184927  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

**Data Entry Status:**  
Data Src: 1  
Date Received: 9/10/1997  
Selected Flag: True  
Abandonment Rec:  
Contractor: 6006  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 026  
Concession:  
Concession Name: CON  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10051143  
DP2BR: 45.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 29-Aug-1997 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931073293  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 85  
Mat2 Desc: SOFT  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 15.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931073294  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 15.0  
**Formation End Depth:** 30.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931073295  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 30.0  
**Formation End Depth:** 45.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931073296  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 80  
**Mat2 Desc:** POROUS  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 45.0  
**Formation End Depth:** 59.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933114633  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961529608  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool

**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599713  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930089273  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 45  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930089274  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 59  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991529608  
**Pump Set At:**  
**Static Level:** 30.0  
**Final Level After Pumping:** 30.0  
**Recommended Pump Depth:** 55.0  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 30  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934909267  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934116177  
**Test Type:**

Test Duration: 15  
Test Level: 30.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934660313  
Test Type:  
Test Duration: 45  
Test Level: 30.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934391149  
Test Type:  
Test Duration: 30  
Test Level: 30.0  
Test Level UOM: ft

**Water Details**

Water ID: 933489623  
Layer: 1  
Kind Code: 3  
Kind: SULPHUR  
Water Found Depth: 45.0  
Water Found Depth UOM: ft

**Site:** lot 25 ON

**Database:**  
WWIS

Well ID: 1528976  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 169429  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 6/27/1996  
Selected Flag: True  
Abandonment Rec:  
Contractor: 1414  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 025  
Concession:  
Concession Name: CON  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10050512  
DP2BR: 8.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 17-Jun-1996 00:00:00  
Remarks:  
Elevrc Desc:

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

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

**Overburden and Bedrock  
Materials Interval**

*Formation ID:* 931071366  
*Layer:* 1  
*Color:* 6  
*General Color:* BROWN  
*Mat1:* 34  
*Most Common Material:* TILL  
*Mat2:* 13  
*Mat2 Desc:* BOULDERS  
*Mat3:* 79  
*Mat3 Desc:* PACKED  
*Formation Top Depth:* 0.0  
*Formation End Depth:* 8.0  
*Formation End Depth UOM:* ft

**Overburden and Bedrock  
Materials Interval**

*Formation ID:* 931071367  
*Layer:* 2  
*Color:* 6  
*General Color:* BROWN  
*Mat1:* 15  
*Most Common Material:* LIMESTONE  
*Mat2:* 74  
*Mat2 Desc:* LAYERED  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 8.0  
*Formation End Depth:* 258.0  
*Formation End Depth UOM:* ft

**Annular Space/Abandonment  
Sealing Record**

*Plug ID:* 933113976  
*Layer:* 1  
*Plug From:* 0  
*Plug To:* 40  
*Plug Depth UOM:* ft

**Method of Construction & Well  
Use**

*Method Construction ID:* 961528976  
*Method Construction Code:* 1  
*Method Construction:* Cable Tool  
*Other Method Construction:*

**Pipe Information**

*Pipe ID:* 10599082  
*Casing No:* 1  
*Comment:*  
*Alt Name:*

**Construction Record - Casing**

**Casing ID:** 930088275  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 258  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930088274  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 42  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991528976  
**Pump Set At:**  
**Static Level:** 40.0  
**Final Level After Pumping:** 250.0  
**Recommended Pump Depth:** 240.0  
**Pumping Rate:** 1.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 1.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105827  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934389453  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 150.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934658628  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 175.0

Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934907574  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 200.0  
Test Level UOM: ft

**Water Details**

Water ID: 933488885  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 175.0  
Water Found Depth UOM: ft

**Site:** lot 28 ON

**Database:**  
[WWIS](#)

Well ID: 1523827  
Construction Date:  
Primary Water Use: Public  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 37633  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 9/11/1989  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 028  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10045600  
DP2BR: 69.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 28-Aug-1989 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931055874



Layer: 4  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 69.0  
Formation End Depth: 93.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931055872  
Layer: 2  
Color: 3  
General Color: BLUE  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 28.0  
Formation End Depth: 57.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931055873  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 14  
Most Common Material: HARDPAN  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 57.0  
Formation End Depth: 69.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931055871  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 28  
Most Common Material: SAND  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 28.0  
Formation End Depth UOM: ft

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933110430  
**Layer:** 1  
**Plug From:** 6  
**Plug To:** 25  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961523827  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10594170  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079817  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 69  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523827  
**Pump Set At:**  
**Static Level:** 54.0  
**Final Level After Pumping:** 71.0  
**Recommended Pump Depth:** 88.0  
**Pumping Rate:** 29.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 35  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934909009  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 71.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390829  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 70.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934106599  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 64.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651803  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 71.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933482239  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 90.0  
**Water Found Depth UOM:** ft

**Site:** lot 25 ON

**Database:**  
**WWIS**

**Well ID:** 1523747  
**Construction Date:**  
**Primary Water Use:** Industrial  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 49862  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 8/4/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 3644  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** OTTAWA CITY  
**Site Info:**  
**Lot:** 025  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10045521  
**DP2BR:** 32.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 12-Jun-1989 00:00:00

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM

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

Location Method: na

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931055593  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2: 82  
Mat2 Desc: SHALY  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 32.0  
Formation End Depth: 250.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931055592  
Layer: 1  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 32.0  
Formation End Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961523747  
Method Construction Code: 5  
Method Construction: Air Percussion  
Other Method Construction:

**Pipe Information**

Pipe ID: 10594091  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930079667  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 36

**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930079668  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 250  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523747  
**Pump Set At:**  
**Static Level:** 19.0  
**Final Level After Pumping:** 100.0  
**Recommended Pump Depth:** 100.0  
**Pumping Rate:** 14.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 14.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390332  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651310  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934908516  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934106105  
**Test Type:**  
**Test Duration:** 15

Test Level: 100.0  
Test Level UOM: ft

**Water Details**

Water ID: 933482123  
Layer: 2  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 225.0  
Water Found Depth UOM: ft

**Water Details**

Water ID: 933482122  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 60.0  
Water Found Depth UOM: ft

**Site:** lot 28 ON

**Database:**  
[WWIS](#)

Well ID: 1523637  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 37628  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 8/28/1989  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 028  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10045411  
DP2BR: 89.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 16-Aug-1989 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931055309  
**Layer:** 5  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 89.0  
**Formation End Depth:** 104.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931055306  
**Layer:** 2  
**Color:** 7  
**General Color:** RED  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 9.0  
**Formation End Depth:** 24.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931055308  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:** 11  
**Mat3 Desc:** GRAVEL  
**Formation Top Depth:** 73.0  
**Formation End Depth:** 89.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931055307  
**Layer:** 3  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 24.0  
**Formation End Depth:** 73.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931055305  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 9.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961523637  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10593981  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930079453  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 89  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523637  
**Pump Set At:**  
**Static Level:** 14.0  
**Final Level After Pumping:** 92.0  
**Recommended Pump Depth:** 100.0  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 40  
**Flowing:** No

**Draw Down & Recovery**



**Pump Test Detail ID:** 934650781  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 91.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934908406  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 92.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390222  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 82.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105576  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 37.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933481979  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 102.0  
**Water Found Depth UOM:** ft

**Site:** lot 23 ON

**Database:**  
[WWIS](#)

**Well ID:** 1523527  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 44199  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 7/18/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 023  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10045301  
**DP2BR:** 18.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 06-Jun-1989 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931054929  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 12.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931054930  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 14  
**Mat2 Desc:** HARDPAN  
**Mat3:** 11  
**Mat3 Desc:** GRAVEL  
**Formation Top Depth:** 12.0  
**Formation End Depth:** 18.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931054931  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 26  
**Most Common Material:** ROCK  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 18.0

Formation End Depth: 44.0  
Formation End Depth UOM: ft

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 933110343  
Layer: 1  
Plug From: 2  
Plug To: 20  
Plug Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961523527  
Method Construction Code: 4  
Method Construction: Rotary (Air)  
Other Method Construction:

**Pipe Information**

Pipe ID: 10593871  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930079277  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 20  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991523527  
Pump Set At:  
Static Level: 10.0  
Final Level After Pumping: 35.0  
Recommended Pump Depth:  
Pumping Rate: 2.0  
Flowing Rate:  
Recommended Pump Rate: 2.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code:  
Water State After Test:  
Pumping Test Method: 1  
Pumping Duration HR:  
Pumping Duration MIN:  
Flowing: No

**Water Details**

Water ID: 933481825  
Layer: 1  
Kind Code: 1  
Kind: FRESH

Water Found Depth: 35.0  
Water Found Depth UOM: ft

**Site:**  
lot 28 ON

**Database:**  
WWIS

**Well ID:** 1523456  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 37602  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 6/20/1989  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10045231  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** o  
**Code OB Desc:** Overburden  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 31-May-1989 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

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

**Formation ID:** 931054677  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 37.0  
**Formation End Depth:** 52.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931054678

**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 52.0  
**Formation End Depth:** 54.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931054676  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 37.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931054675  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110312  
**Layer:** 1  
**Plug From:** 6  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961523456  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

Pipe ID: 10593801  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930079150  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 54  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991523456  
Pump Set At:  
Static Level: 18.0  
Final Level After Pumping: 43.0  
Recommended Pump Depth: 48.0  
Pumping Rate: 12.0  
Flowing Rate:  
Recommended Pump Rate: 6.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 50  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934907396  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 43.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934389211  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 38.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934650192  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 43.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934104982

Test Type: Draw Down  
Test Duration: 15  
Test Level: 29.0  
Test Level UOM: ft

**Water Details**

Water ID: 933481722  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 54.0  
Water Found Depth UOM: ft

**Site:** lot 23 ON

**Database:**  
WWIS

Well ID: 1523053  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 37715  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

**Data Entry Status:**  
Data Src: 1  
Date Received: 12/16/1988  
Selected Flag: True  
Abandonment Rec:  
Contractor: 3749  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 023  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10044859  
DP2BR: 47.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 20-Nov-1988 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

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

Formation ID: 931053371  
Layer: 1  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 01

**Mat2 Desc:** FILL  
**Mat3:** 77  
**Mat3 Desc:** LOOSE  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931053374  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 00  
**Mat2 Desc:** UNKNOWN TYPE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 29.0  
**Formation End Depth:** 41.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931053376  
**Layer:** 6  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 47.0  
**Formation End Depth:** 153.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931053372  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 3.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931053375  
**Layer:** 5  
**Color:** 6  
**General Color:** BROWN



**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 41.0  
**Formation End Depth:** 47.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931053373  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 00  
**Mat2 Desc:** UNKNOWN TYPE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 3.0  
**Formation End Depth:** 29.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110087  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 47  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961523053  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10593429  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930078472  
**Layer:** 1  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:** 47  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523053  
**Pump Set At:**  
**Static Level:** 85.0  
**Final Level After Pumping:** 85.0  
**Recommended Pump Depth:** 145.0  
**Pumping Rate:** 5.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 30  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649029  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 85.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112628  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 68.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934906233  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 85.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934388047  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 73.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933481170  
**Layer:** 3  
**Kind Code:** 3  
**Kind:** SULPHUR  
**Water Found Depth:** 146.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933481168  
**Layer:** 1  
**Kind Code:** 1

**Kind:** FRESH  
**Water Found Depth:** 96.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933481169  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 132.0  
**Water Found Depth UOM:** ft

**Site:** lot 27 ON

**Database:**  
[WWIS](#)

<b>Well ID:</b>	1523046	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	12/13/1988
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	2351
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>	37566	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	027
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10044852	<b>Elevation:</b>	
<b>DP2BR:</b>	11.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	01-Nov-1988 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	na
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

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

**Formation ID:** 931053344  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**

**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 11.0  
**Formation End Depth:** 190.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931053343  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 11.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933110081  
**Layer:** 1  
**Plug From:** 3  
**Plug To:** 22  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961523046  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10593422  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930078465  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991523046  
**Pump Set At:**  
**Static Level:** 8.0

**Final Level After Pumping:** 180.0  
**Recommended Pump Depth:** 185.0  
**Pumping Rate:** 1.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 1.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 0  
**Pumping Duration MIN:** 55  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112621  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 110.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649024  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934388042  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 180.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933481150  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 29.0  
**Water Found Depth UOM:** ft

**Site:** lot 23 ON

**Database:**  
[WWIS](#)

**Well ID:** 1522672  
**Construction Date:**  
**Primary Water Use:** Commerical  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 13182  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/7/1988  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 023  
**Concession:**  
**Concession Name:**

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

Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10044482  
DP2BR: 27.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 26-Sep-1988 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931052237  
Layer: 3  
Color: 3  
General Color: BLUE  
Mat1: 17  
Most Common Material: SHALE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 27.0  
Formation End Depth: 129.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931052235  
Layer: 1  
Color: 7  
General Color: RED  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 24.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931052236  
Layer: 2  
Color: 2  
General Color: GREY

**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 90  
**Mat2 Desc:** VERY  
**Mat3:** 08  
**Mat3 Desc:** FINE SAND  
**Formation Top Depth:** 24.0  
**Formation End Depth:** 27.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931052238  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 129.0  
**Formation End Depth:** 242.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961522672  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10593052  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930077796  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 27  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991522672  
**Pump Set At:**  
**Static Level:** 9.0  
**Final Level After Pumping:** 239.0  
**Recommended Pump Depth:** 236.0  
**Pumping Rate:** 2.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 2.0  
**Levels UOM:** ft

Rate UOM: GPM  
Water State After Test Code:  
Water State After Test:  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934386427  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 220.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656222  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 239.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111002  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 195.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904619  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 239.0  
Test Level UOM: ft

Water Details

Water ID: 933480645  
Layer: 1  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 75.0  
Water Found Depth UOM: ft

Site: lot 26 ON

**Database:**  
**WWIS**

Well ID: 1522326  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 12610  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:

**Data Entry Status:**  
Data Src: 1  
Date Received: 6/10/1988  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:



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

**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10044138  
**DP2BR:** 14.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 20-May-1988 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931050968  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 14.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931050969  
**Layer:** 3  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 14.0  
**Formation End Depth:** 28.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931050967

Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 6.0  
Formation End Depth UOM: ft

**Method of Construction & Well Use**

Method Construction ID: 961522326  
Method Construction Code: 1  
Method Construction: Cable Tool  
Other Method Construction:

**Pipe Information**

Pipe ID: 10592708  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930077196  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 21  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991522326  
Pump Set At:  
Static Level: 4.0  
Final Level After Pumping: 17.0  
Recommended Pump Depth: 22.0  
Pumping Rate: 21.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934655084  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 17.0

Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934903495  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 17.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934109852  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 17.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934385835  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 17.0  
Test Level UOM: ft

**Water Details**

Water ID: 933480167  
Layer: 1  
Kind Code: 3  
Kind: SULPHUR  
Water Found Depth: 23.0  
Water Found Depth UOM: ft

**Site:** lot 23 ON

**Database:**  
WWIS

Well ID: 1522275  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 25140  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

**Data Entry Status:**  
Data Src: 1  
Date Received: 5/12/1988  
Selected Flag: True  
Abandonment Rec:  
Contractor: 3749  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 023  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10044088  
DP2BR: 7.00  
Spatial Status:  
Elevation:  
Elevrc:  
Zone: 18

**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 23-Nov-1987 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

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

**Formation ID:** 931050783  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 25  
**Most Common Material:** OVERBURDEN  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:** 77  
**Mat3 Desc:** LOOSE  
**Formation Top Depth:** 1.0  
**Formation End Depth:** 7.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931050782  
**Layer:** 1  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 1.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931050784  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 80  
**Mat2 Desc:** POROUS  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 7.0  
**Formation End Depth:** 96.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933109785  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 4  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961522275  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10592658  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930077110  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 40  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991522275  
**Pump Set At:**  
**Static Level:** 27.0  
**Final Level After Pumping:** 41.0  
**Recommended Pump Depth:** 90.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 30  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934655035  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 41.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934109803  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 31.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934903450  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 41.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934385786  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 36.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933480102  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 62.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933480103  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 91.0  
**Water Found Depth UOM:** ft

**Site:** lot 28 ON

**Database:**  
[WWIS](#)

**Well ID:** 1522253  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 12607  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 4/8/1988  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10044066  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** o  
**Code OB Desc:** Overburden  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 01-Feb-1988 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931050713  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 31  
**Mat2 Desc:** COARSE GRAVEL  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 23.0  
**Formation End Depth:** 32.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931050711  
**Layer:** 1  
**Color:** 7  
**General Color:** RED  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 17.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931050712  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 17.0

**Formation End Depth:** 23.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961522253  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10592636  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930077071  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 32  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991522253  
**Pump Set At:**  
**Static Level:** 9.0  
**Final Level After Pumping:** 24.0  
**Recommended Pump Depth:** 25.0  
**Pumping Rate:** 23.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934109361  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 18.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934654595  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 24.0  
**Test Level UOM:** ft



**Draw Down & Recovery**

**Pump Test Detail ID:** 934385764  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 24.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934903428  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 24.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933480070  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 32.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 28 ON

**Database:**  
WWIS

**Well ID:** 1521841  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 12546  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/22/1987  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10043654  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** o  
**Code OB Desc:** Overburden  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 24-Sep-1987 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**

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

Source Revision Comment:  
Supplier Comment:

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931049337  
Layer: 1  
Color: 7  
General Color: RED  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 23.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931049339  
Layer: 3  
Color: 8  
General Color: BLACK  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2: 31  
Mat2 Desc: COARSE GRAVEL  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 36.0  
Formation End Depth: 37.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931049338  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 14  
Most Common Material: HARDPAN  
Mat2: 13  
Mat2 Desc: BOULDERS  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 23.0  
Formation End Depth: 36.0  
Formation End Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961521841  
Method Construction Code: 1  
Method Construction: Cable Tool  
Other Method Construction:

**Pipe Information**

Pipe ID: 10592224

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

**Construction Record - Casing**

**Casing ID:** 930076274  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 37  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991521841  
**Pump Set At:**  
**Static Level:** 8.0  
**Final Level After Pumping:** 17.0  
**Recommended Pump Depth:** 32.0  
**Pumping Rate:** 45.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 10  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934391259  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 17.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934653378  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 17.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934108135  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 16.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934910609  
**Test Type:** Draw Down  
**Test Duration:** 60

Test Level: 17.0  
Test Level UOM: ft

Water Details

Water ID: 933479548  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 37.0  
Water Found Depth UOM: ft

Site:  
lot 25 ON

Database:  
WWIS

Well ID:	1521088	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/13/1987
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	NA	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
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:	10042925	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	o	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	18-Nov-1986 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock  
Materials Interval

Formation ID: 931046786  
Layer: 2  
Color: 3  
General Color: BLUE  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Mat2 Desc:  
Mat3:

**Mat3 Desc:**  
**Formation Top Depth:** 14.0  
**Formation End Depth:** 164.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931046788  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 200.0  
**Formation End Depth:** 201.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931046785  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 14.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931046787  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 164.0  
**Formation End Depth:** 200.0  
**Formation End Depth UOM:** ft

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

**Method Construction ID:** 961521088  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

Pipe ID: 10591495  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930074922  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 201  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991521088  
Pump Set At:  
Static Level: 5.0  
Final Level After Pumping: 10.0  
Recommended Pump Depth: 25.0  
Pumping Rate: 20.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934389615  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 10.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934105377  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 10.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934908275  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 10.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934650628

Test Type: Draw Down  
Test Duration: 45  
Test Level: 10.0  
Test Level UOM: ft

**Water Details**

Water ID: 933478538  
Layer: 1  
Kind Code: 3  
Kind: SULPHUR  
Water Found Depth: 201.0  
Water Found Depth UOM: ft

**Site:** lot 24 ON

**Database:**  
WWIS

Well ID:	1528754	Data Entry Status:	
Construction Date:		Data Src:	6
Primary Water Use:	Domestic	Date Received:	10/26/1995
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6006
Casing Material:		Form Version:	1
Audit No:	154666	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	024
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:	10050290	Elevation:	
DP2BR:	40.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	29-Jun-1995 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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

Formation ID: 931070687  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 28

**Mat2 Desc:** SAND  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931070688  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 17.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931070690  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 40.0  
**Formation End Depth:** 44.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931070689  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 13  
**Mat2 Desc:** BOULDERS  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 17.0  
**Formation End Depth:** 40.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933113707  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20



Plug Depth UOM: ft

**Method of Construction & Well Use**

Method Construction ID: 961528754  
Method Construction Code: 1  
Method Construction: Cable Tool  
Other Method Construction:

**Pipe Information**

Pipe ID: 10598860  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930087883  
Layer: 2  
Material: 4  
Open Hole or Material: OPEN HOLE  
Depth From:  
Depth To:  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930087882  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 40  
Casing Diameter: 7  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991528754  
Pump Set At:  
Static Level: 18.0  
Final Level After Pumping: 25.0  
Recommended Pump Depth: 35.0  
Pumping Rate: 30.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934388867  
Test Type:

Test Duration: 30  
Test Level: 25.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105241  
Test Type:  
Test Duration: 15  
Test Level: 25.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649384  
Test Type:  
Test Duration: 45  
Test Level: 25.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906566  
Test Type:  
Test Duration: 60  
Test Level: 25.0  
Test Level UOM: ft

Water Details

Water ID: 933488581  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 40.0  
Water Found Depth UOM: ft

Site: lot 27 ON

Database:  
[WWIS](#)

Well ID: 1520967  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 02061  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 11/24/1986  
Selected Flag: True  
Abandonment Rec:  
Contractor: 3644  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 027  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042808 Elevation:

**DP2BR:** 5.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 05-Sep-1986 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

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

**Formation ID:** 931046426  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 5.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931046427  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 15  
**Mat2 Desc:** LIMESTONE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 5.0  
**Formation End Depth:** 290.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933109294  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 40  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961520967  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10591378  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930074715  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 40  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930074716  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 290  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991520967  
**Pump Set At:**  
**Static Level:** 100.0  
**Final Level After Pumping:** 280.0  
**Recommended Pump Depth:** 280.0  
**Pumping Rate:** 4.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 6.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934907753  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 280.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934104296  
**Test Type:**  
**Test Duration:** 15

Test Level: 280.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934389513  
Test Type:  
Test Duration: 30  
Test Level: 280.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934650108  
Test Type:  
Test Duration: 45  
Test Level: 280.0  
Test Level UOM: ft

**Water Details**

Water ID: 933478389  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 280.0  
Water Found Depth UOM: ft

**Site:**  
lot 27 ON

**Database:**  
WWIS

Well ID: 1520769  
Construction Date:  
Primary Water Use: Commerical  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: NA  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 9/25/1986  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 027  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10042610  
DP2BR: 21.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 22-Aug-1986 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:

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

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

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

**Formation ID:** 931045762  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 19.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931045764  
**Layer:** 3  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 21.0  
**Formation End Depth:** 40.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931045763  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 19.0  
**Formation End Depth:** 21.0  
**Formation End Depth UOM:** ft

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

**Method Construction ID:** 961520769  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

Pipe ID: 10591180  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930074370  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 21  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991520769  
Pump Set At:  
Static Level: 8.0  
Final Level After Pumping: 12.0  
Recommended Pump Depth: 20.0  
Pumping Rate: 40.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 25  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934104812  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 12.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934649508  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 12.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934387932  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 12.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934906588

Test Type: Draw Down  
Test Duration: 60  
Test Level: 12.0  
Test Level UOM: ft

**Water Details**

Water ID: 933478114  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 38.0  
Water Found Depth UOM: ft

**Site:** lot 24 ON

**Database:**  
WWIS

Well ID: 1518742  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No:  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

**Data Entry Status:**  
Data Src: 1  
Date Received: 12/13/1983  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 024  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10040612  
DP2BR: 20.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 02-Nov-1983 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931039409  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2:



**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 17.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931039410  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 17.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931039411  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 20.0  
**Formation End Depth:** 48.0  
**Formation End Depth UOM:** ft

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

**Method Construction ID:** 961518742  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10589182  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930070906  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 20  
**Casing Diameter:** 6

Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991518742  
Pump Set At:  
Static Level: 14.0  
Final Level After Pumping: 25.0  
Recommended Pump Depth:  
Pumping Rate: 45.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 50  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934103218  
Test Type:  
Test Duration: 15  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934380476  
Test Type:  
Test Duration: 30  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934650459  
Test Type:  
Test Duration: 45  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934899579  
Test Type:  
Test Duration: 60  
Test Level: 25.0  
Test Level UOM: ft

**Water Details**

Water ID: 933475533  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 31.0  
Water Found Depth UOM: ft

**Site:**  
lot 27 ON

**Database:**  
WWIS

**Well ID:** 1518033  
**Construction Date:**  
**Primary Water Use:** Cooling And A/C  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 12/13/1982  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1558  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** OTTAWA CITY  
**Site Info:**  
**Lot:** 027  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10039904  
**DP2BR:** 15.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 29-Jan-1982 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

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

**Formation ID:** 931037131  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 27.0  
**Formation End Depth:** 100.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931037128  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN

**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 10.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931037130  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 15.0  
**Formation End Depth:** 27.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931037129  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 10.0  
**Formation End Depth:** 15.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961518033  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10588474  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930069712  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL

**Depth From:**  
**Depth To:** 23  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930069713  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 100  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991518033  
**Pump Set At:**  
**Static Level:** 15.0  
**Final Level After Pumping:** 50.0  
**Recommended Pump Depth:** 60.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934103360  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934377689  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934647523  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934896797

Test Type: Draw Down  
Test Duration: 60  
Test Level: 50.0  
Test Level UOM: ft

**Water Details**

Water ID: 933474659  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 97.0  
Water Found Depth UOM: ft

**Site:** lot 28 ON

**Database:**  
WWIS

Well ID:	1528721	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Commerical	Date Received:	9/19/1995
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	139536	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

**Bore Hole Information**

Bore Hole ID:	10050257	Elevation:	
DP2BR:	17.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	30-Jan-1995 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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

Formation ID: 931070582  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 81

**Mat2 Desc:** SANDY  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931070585  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 20.0  
**Formation End Depth:** 61.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931070584  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 17.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931070583  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 14  
**Mat2 Desc:** HARDPAN  
**Mat3:** 12  
**Mat3 Desc:** STONES  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 17.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933113662  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 22

**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961528721  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10598827  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930087834  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991528721  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 15.0  
**Recommended Pump Depth:** 40.0  
**Pumping Rate:** 30.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 20.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649359  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 15.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934388842  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 15.0  
**Test Level UOM:** ft



Draw Down & Recovery

Pump Test Detail ID: 934906541  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 15.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105216  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 15.0  
Test Level UOM: ft

Water Details

Water ID: 933488537  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 40.0  
Water Found Depth UOM: ft

Site: lot 24 ON

Database:  
WWIS

Well ID: 1528513  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 152113  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 6/16/1995  
Selected Flag: True  
Abandonment Rec:  
Contractor: 1414  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 024  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050049  
DP2BR: 56.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 01-Jun-1995 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:

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

**Supplier Comment:**

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

**Formation ID:** 931069890  
**Layer:** 5  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 56.0  
**Formation End Depth:** 60.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931069887  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 13  
**Mat2 Desc:** BOULDERS  
**Mat3:** 79  
**Mat3 Desc:** PACKED  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 8.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931069886  
**Layer:** 1  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931069889  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 77  
**Mat2 Desc:** LOOSE  
**Mat3:**

**Mat3 Desc:**  
**Formation Top Depth:** 35.0  
**Formation End Depth:** 56.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931069888  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 79  
**Mat2 Desc:** PACKED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 8.0  
**Formation End Depth:** 35.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933113424  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 30  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961528513  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10598619  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930087466  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 56  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930087467  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE

**Depth From:**  
**Depth To:** 60  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991528513  
**Pump Set At:**  
**Static Level:** 27.0  
**Final Level After Pumping:** 50.0  
**Recommended Pump Depth:** 55.0  
**Pumping Rate:** 6.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 4.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934906007  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934388308  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934648824  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934104683  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933488219  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 58.0

Water Found Depth UOM: ft

**Site:**  
lot 23 ON

**Database:**  
WWIS

**Well ID:** 1528466  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** Cooling And A/C  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 137710  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 4/20/1995  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 3749  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 023  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10050002  
**DP2BR:** 125.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 24-Jul-1994 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931069732  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 42.0  
**Formation End Depth:** 110.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931069734  
**Layer:** 4

**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 78  
**Mat2 Desc:** MEDIUM-GRAINED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 125.0  
**Formation End Depth:** 185.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931069731  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 06  
**Mat2 Desc:** SILT  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 42.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931069733  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 110.0  
**Formation End Depth:** 125.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933113381  
**Layer:** 1  
**Plug From:** 6  
**Plug To:** 40  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961528466  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

Pipe ID: 10598572  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930087369  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 127  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991528466  
Pump Set At:  
Static Level: 41.0  
Final Level After Pumping: 68.0  
Recommended Pump Depth:  
Pumping Rate: 25.0  
Flowing Rate:  
Recommended Pump Rate:  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934648789  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 62.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934104647  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 43.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934905972  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 63.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934388272  
Test Type: Draw Down

Test Duration: 30  
Test Level: 58.0  
Test Level UOM: ft

**Water Details**

Water ID: 933488133  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 138.0  
Water Found Depth UOM: ft

**Water Details**

Water ID: 933488134  
Layer: 2  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 181.0  
Water Found Depth UOM: ft

**Site:**  
lot 23 ON

**Database:**  
WWIS

Well ID: 1526246  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 116362  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 6/18/1992  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 023  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10047964  
DP2BR:  
Spatial Status:  
Code OB: o  
Code OB Desc: Overburden  
Open Hole:  
Cluster Kind:  
Date Completed: 27-May-1992 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Overburden and Bedrock**



**Materials Interval**

**Formation ID:** 931063621  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 61.0  
**Formation End Depth:** 64.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931063619  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931063620  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 61.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933111586  
**Layer:** 1  
**Plug From:** 4  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961526246  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool

**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596534  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930083959  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 64  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991526246  
**Pump Set At:**  
**Static Level:** 27.0  
**Final Level After Pumping:** 49.0  
**Recommended Pump Depth:** 58.0  
**Pumping Rate:** 45.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 10  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934106815  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 37.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390449  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 48.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934651390  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 49.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934908588  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 49.0  
**Test Level UOM:** ft

Water Details

**Water ID:** 933485482  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 64.0  
**Water Found Depth UOM:** ft

Site: lot 28 ON

**Database:**  
WWIS

<b>Well ID:</b>	1526147	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	5/28/1992
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	2351
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>	095195	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	CUMBERLAND TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	028
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

Bore Hole Information

<b>Bore Hole ID:</b>	10047880	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	o	<b>East83:</b>	
<b>Code OB Desc:</b>	Overburden	<b>North83:</b>	
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	31-Mar-1992 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	na
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

Overburden and Bedrock  
Materials Interval

**Formation ID:** 931063365  
**Layer:** 1  
**Color:** 6

**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931063366  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 61.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931063367  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 61.0  
**Formation End Depth:** 68.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933111547  
**Layer:** 1  
**Plug From:** 4  
**Plug To:** 25  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961526147  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596450

Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930083817  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 68  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991526147  
Pump Set At:  
Static Level: 24.0  
Final Level After Pumping: 56.0  
Recommended Pump Depth: 63.0  
Pumping Rate: 11.0  
Flowing Rate:  
Recommended Pump Rate: 6.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 20  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934908093  
Test Type:  
Test Duration: 60  
Test Level: 56.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934106739  
Test Type:  
Test Duration: 15  
Test Level: 43.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934390373  
Test Type:  
Test Duration: 30  
Test Level: 52.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934650895  
Test Type:  
Test Duration: 45

Test Level: 56.0  
Test Level UOM: ft

Water Details

Water ID: 933485366  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 68.0  
Water Found Depth UOM: ft

Site:  
lot 24 ON

Database:  
WWIS

Well ID: 1526143  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 095189  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 4/23/1992  
Selected Flag: True  
Abandonment Rec:  
Contractor: 2351  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 024  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047876  
DP2BR:  
Spatial Status:  
Code OB: o  
Code OB Desc: Overburden  
Open Hole:  
Cluster Kind:  
Date Completed: 25-Mar-1992 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

Overburden and Bedrock  
Materials Interval

Formation ID: 931063352  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 28  
Most Common Material: SAND  
Mat2: 08  
Mat2 Desc: FINE SAND  
Mat3:

**Mat3 Desc:**  
**Formation Top Depth:** 37.0  
**Formation End Depth:** 78.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931063351  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 26.0  
**Formation End Depth:** 37.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931063353  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 78.0  
**Formation End Depth:** 80.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931063350  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 26.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933111543  
**Layer:** 1  
**Plug From:** 4  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961526143  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10596446  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930083813  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 80  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991526143  
**Pump Set At:**  
**Static Level:** 16.0  
**Final Level After Pumping:** 36.0  
**Recommended Pump Depth:** 65.0  
**Pumping Rate:** 45.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 10  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934390369  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 36.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934650891  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 36.0  
**Test Level UOM:** ft

**Draw Down & Recovery**



**Pump Test Detail ID:** 934106735  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 25.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934908089  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 36.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933485362  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 80.0  
**Water Found Depth UOM:** ft

**Site:** lot 24 ON

**Database:**  
**WWIS**

**Well ID:** 1525664  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 095172  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/21/1991  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 024  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047399  
**DP2BR:** 20.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 02-Oct-1991 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931061961  
**Layer:** 2  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 20.0  
**Formation End Depth:** 37.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931061960  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961525664  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595969  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082970  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 20  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525664  
**Pump Set At:**

Static Level: 18.0  
Final Level After Pumping: 30.0  
Recommended Pump Depth: 34.0  
Pumping Rate: 3.0  
Flowing Rate:  
Recommended Pump Rate: 3.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 10  
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934105039  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 23.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388698  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 28.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649236  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 30.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906416  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 30.0  
Test Level UOM: ft

Water Details

Water ID: 933484714  
Layer: 1  
Kind Code: 2  
Kind: SALTY  
Water Found Depth: 34.0  
Water Found Depth UOM: ft

Site: lot 23 ON

Database: WWIS

Well ID: 1525661  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply

Data Entry Status:  
Data Src: 1  
Date Received: 10/2/1991  
Selected Flag: True  
Abandonment Rec:

**Water Type:**  
**Casing Material:**  
**Audit No:** 095149  
**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:**

**Contractor:** 2351  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 023  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047396  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** 0  
**Code OB Desc:** Overburden  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 29-Aug-1991 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931061955  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 52.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931061956  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 52.0  
**Formation End Depth:** 54.0

Formation End Depth UOM: ft

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 933111348  
Layer: 1  
Plug From: 0  
Plug To: 21  
Plug Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961525661  
Method Construction Code: 1  
Method Construction: Cable Tool  
Other Method Construction:

**Pipe Information**

Pipe ID: 10595966  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930082967  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 54  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991525661  
Pump Set At:  
Static Level: 14.0  
Final Level After Pumping: 28.0  
Recommended Pump Depth: 45.0  
Pumping Rate: 45.0  
Flowing Rate:  
Recommended Pump Rate: 8.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 2  
Pumping Duration HR: 1  
Pumping Duration MIN: 10  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934388695  
Test Type: Draw Down  
Test Duration: 30  
Test Level: 28.0  
Test Level UOM: ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934906413  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 28.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105036  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 18.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649233  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 28.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933484711  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 54.0  
**Water Found Depth UOM:** ft

**Site:**

lot 28 ON

**Database:**  
**WWIS**

**Well ID:** 1525587  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 69591  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 9/12/1991  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047322  
**DP2BR:** 17.00  
**Spatial Status:**  
**Code OB:** r

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**

**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 22-Aug-1991 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

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

**Formation ID:** 931061702  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 26  
**Mat2 Desc:** ROCK  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 21.0  
**Formation End Depth:** 230.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931061701  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 17.0  
**Formation End Depth:** 21.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931061700  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 05  
**Mat2 Desc:** CLAY  
**Mat3:** 12  
**Mat3 Desc:** STONES  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 17.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933111310  
**Layer:** 1  
**Plug From:** 3  
**Plug To:** 44  
**Plug Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961525587  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595892  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082844  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 44  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525587  
**Pump Set At:**  
**Static Level:** 25.0  
**Final Level After Pumping:** 125.0  
**Recommended Pump Depth:** 150.0  
**Pumping Rate:** 15.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 30  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934649161  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934104546



Test Type:  
Test Duration: 15  
Test Level: 50.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388204  
Test Type:  
Test Duration: 30  
Test Level: 75.0  
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906341  
Test Type:  
Test Duration: 60  
Test Level: 125.0  
Test Level UOM: ft

Water Details

Water ID: 933484624  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 225.0  
Water Found Depth UOM: ft

Site: lot 26 ON

Database:  
WWIS

Well ID: 1525484  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 69539  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src: 1  
Date Received: 7/22/1991  
Selected Flag: True  
Abandonment Rec:  
Contractor: 1517  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 026  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047222  
DP2BR: 5.00  
Spatial Status:  
Code OB: h  
Code OB Desc: Mixed in a Layer  
Open Hole:  
Cluster Kind:  
Date Completed: 09-May-1991 00:00:00  
Remarks:

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

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

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

*Formation ID:* 931061314  
*Layer:* 4  
*Color:* 8  
*General Color:* BLACK  
*Mat1:* 15  
*Most Common Material:* LIMESTONE  
*Mat2:*  
*Mat2 Desc:*  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 85.0  
*Formation End Depth:* 105.0  
*Formation End Depth UOM:* ft

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

*Formation ID:* 931061313  
*Layer:* 3  
*Color:* 2  
*General Color:* GREY  
*Mat1:* 15  
*Most Common Material:* LIMESTONE  
*Mat2:*  
*Mat2 Desc:*  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 20.0  
*Formation End Depth:* 85.0  
*Formation End Depth UOM:* ft

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

*Formation ID:* 931061311  
*Layer:* 1  
*Color:* 6  
*General Color:* BROWN  
*Mat1:* 05  
*Most Common Material:* CLAY  
*Mat2:* 12  
*Mat2 Desc:* STONES  
*Mat3:*  
*Mat3 Desc:*  
*Formation Top Depth:* 0.0  
*Formation End Depth:* 5.0  
*Formation End Depth UOM:* ft

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

*Formation ID:* 931061312  
*Layer:* 2  
*Color:* 6  
*General Color:* BROWN

**Mat1:** 12  
**Most Common Material:** STONES  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 17  
**Mat3 Desc:** SHALE  
**Formation Top Depth:** 5.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931061315  
**Layer:** 5  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 105.0  
**Formation End Depth:** 226.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933111223  
**Layer:** 1  
**Plug From:** 4  
**Plug To:** 42  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961525484  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595792  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082680  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 42  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525484  
**Pump Set At:**  
**Static Level:** 14.0  
**Final Level After Pumping:** 70.0  
**Recommended Pump Depth:** 200.0  
**Pumping Rate:** 30.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934905847  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 70.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112306  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934388129  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 45.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934648667  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 65.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933484494  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 222.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 25 ON

**Database:**  
WWIS

**Well ID:** 1525481  
**Construction Date:**

**Data Entry Status:**  
**Data Src:** 1

**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 69538  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Date Received:** 7/22/1991  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 025  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047219  
**DP2BR:** 18.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 29-Apr-1991 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931061299  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 18.0  
**Formation End Depth:** 205.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931061297  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**

**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931061298  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:** 05  
**Mat3 Desc:** CLAY  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 18.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933111220  
**Layer:** 1  
**Plug From:** 2  
**Plug To:** 44  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961525481  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595789  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082677  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 44  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525481  
**Pump Set At:**  
**Static Level:** 38.0  
**Final Level After Pumping:** 70.0

**Recommended Pump Depth:** 100.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 15.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934388126  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 60.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934648664  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 65.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934905844  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 70.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112303  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933484491  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 204.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 28 ON

**Database:**  
WWIS

**Well ID:** 1525461  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 6/12/1991  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 6006  
**Form Version:** 1

**Audit No:** 89569  
**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:**

**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10047199  
**DP2BR:** 42.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 30-Apr-1991 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931061221  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 80  
**Mat2 Desc:** POROUS  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 42.0  
**Formation End Depth:** 46.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931061222  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 46.0  
**Formation End Depth:** 48.0  
**Formation End Depth UOM:** ft



**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931061219  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 40.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931061220  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 40.0  
**Formation End Depth:** 42.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933111216  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961525461  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595769  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082638  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL

**Depth From:**  
**Depth To:** 46  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930082639  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 48  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525461  
**Pump Set At:**  
**Static Level:** 7.0  
**Final Level After Pumping:** 40.0  
**Recommended Pump Depth:** 42.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 7.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934387688  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112284  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934905825  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934648645

Test Type:  
Test Duration: 45  
Test Level: 40.0  
Test Level UOM: ft

**Water Details**

Water ID: 933484460  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 48.0  
Water Found Depth UOM: ft

**Site:** lot 26 ON

**Database:**  
WWIS

Well ID: 1525192  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 69514  
Tag:  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

**Data Entry Status:**  
Data Src: 1  
Date Received: 12/13/1990  
Selected Flag: True  
Abandonment Rec:  
Contractor: 1517  
Form Version: 1  
Owner:  
Street Name:  
County: OTTAWA  
Municipality: CUMBERLAND TOWNSHIP  
Site Info:  
Lot: 026  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10046933  
DP2BR: 57.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 26-Oct-1990 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

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

Formation ID: 931060403  
Layer: 4  
Color: 8  
General Color: BLACK  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2:

**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 50.0  
**Formation End Depth:** 57.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931060401  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 10.0  
**Formation End Depth:** 37.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931060404  
**Layer:** 5  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 17  
**Mat2 Desc:** SHALE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 57.0  
**Formation End Depth:** 72.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931060400  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 10.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931060402  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY

**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 37.0  
**Formation End Depth:** 50.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933111110  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961525192  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595503  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082193  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 57  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525192  
**Pump Set At:**  
**Static Level:** 35.0  
**Final Level After Pumping:** 60.0  
**Recommended Pump Depth:** 70.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

Draw Down & Recovery

**Pump Test Detail ID:** 934111612  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 45.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934387017  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 55.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934656372  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 60.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934904741  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 60.0  
**Test Level UOM:** ft

Water Details

**Water ID:** 933484094  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 70.0  
**Water Found Depth UOM:** ft

Site: lot 26 ON

**Database:**  
WWIS

**Well ID:** 1525190  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 69518  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 12/13/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1517  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10046931  
**DP2BR:** 55.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 22-Nov-1990 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931060394  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 25.0  
**Formation End Depth:** 40.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931060393  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 28  
**Mat2 Desc:** SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 25.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931060395  
**Layer:** 3  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**

**Mat3 Desc:**  
**Formation Top Depth:** 40.0  
**Formation End Depth:** 55.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931060396  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 55.0  
**Formation End Depth:** 67.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933111108  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961525190  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595501  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082191  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 55  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525190  
**Pump Set At:**  
**Static Level:** 35.0  
**Final Level After Pumping:** 55.0



**Recommended Pump Depth:** 60.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934111610  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 45.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934656370  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 55.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934387015  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 50.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934904739  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 55.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933484092  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 65.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 25 ON

**Database:**  
WWIS

**Well ID:** 1525009  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 9/17/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 6006  
**Form Version:** 1

**Audit No:** 83375  
**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:**

**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 025  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10046751  
**DP2BR:** 41.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 02-Aug-1990 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931059740  
**Layer:** 4  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 13  
**Mat2 Desc:** BOULDERS  
**Mat3:** 73  
**Mat3 Desc:** HARD  
**Formation Top Depth:** 35.0  
**Formation End Depth:** 39.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931059741  
**Layer:** 5  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 39.0  
**Formation End Depth:** 41.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059743  
**Layer:** 7  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 44.0  
**Formation End Depth:** 45.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059739  
**Layer:** 3  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 18.0  
**Formation End Depth:** 35.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059742  
**Layer:** 6  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 80  
**Mat2 Desc:** POROUS  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 41.0  
**Formation End Depth:** 44.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059738  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 5.0

Formation End Depth: 18.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931059737  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 02  
Most Common Material: TOPSOIL  
Mat2: 05  
Mat2 Desc: CLAY  
Mat3: 85  
Mat3 Desc: SOFT  
Formation Top Depth: 0.0  
Formation End Depth: 5.0  
Formation End Depth UOM: ft

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 933110998  
Layer: 1  
Plug From: 0  
Plug To: 20  
Plug Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961525009  
Method Construction Code: 1  
Method Construction: Cable Tool  
Other Method Construction:

**Pipe Information**

Pipe ID: 10595321  
Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930081877  
Layer: 2  
Material: 4  
Open Hole or Material: OPEN HOLE  
Depth From:  
Depth To: 45  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930081876  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 44

**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525009  
**Pump Set At:**  
**Static Level:** 1.0  
**Final Level After Pumping:** 30.0  
**Recommended Pump Depth:** 40.0  
**Pumping Rate:** 40.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934386008  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934904161  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934655787  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934110601  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933483828  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 44.0  
**Water Found Depth UOM:** ft

**Site:**  
lot 26 ON

**Database:**  
WWIS

**Well ID:** 1525007  
**Construction Date:**  
**Primary Water Use:** Cooling And A/C  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 83378  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 9/17/1990  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 6006  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** CUMBERLAND TOWNSHIP  
**Site Info:**  
**Lot:** 026  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10046749  
**DP2BR:** 35.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 08-Aug-1990 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

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

**Formation ID:** 931059732  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 80  
**Mat3 Desc:** POROUS  
**Formation Top Depth:** 35.0  
**Formation End Depth:** 48.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059733  
**Layer:** 4  
**Color:** 8  
**General Color:** BLACK

**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 48.0  
**Formation End Depth:** 49.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059730  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 18.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931059731  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 73  
**Mat3 Desc:** HARD  
**Formation Top Depth:** 18.0  
**Formation End Depth:** 35.0  
**Formation End Depth UOM:** ft

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

**Plug ID:** 933110996  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 20  
**Plug Depth UOM:** ft

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

**Method Construction ID:** 961525007  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10595319  
**Casing No:** 1

**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930081873  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 49  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930081872  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 48  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991525007  
**Pump Set At:**  
**Static Level:** 5.0  
**Final Level After Pumping:** 40.0  
**Recommended Pump Depth:**  
**Pumping Rate:** 30.0  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934110599  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934904159  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**



**Pump Test Detail ID:** 934655785  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934386006  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933483825  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 48.0  
**Water Found Depth UOM:** ft

## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

### **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

**Government Publication Date: Up to Sep 2020**

### **Abandoned Mine Information System:**

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Oct 2018**

### **Anderson's Waste Disposal Sites:**

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Dec 31, 2020**

### **Borehole:**

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2018**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Chemical Manufacturers and Distributors:**

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

**Government Publication Date: 1999-Dec 31, 2020**

**Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 2012 -Apr 2021**

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

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

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

**Compliance and Convictions:**

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-Nov 2020**

**Certificates of Property Use:**

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994- Jun 30, 2021**

**Drill Hole Database:**

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886 - Sep 2020**

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: Jul 31, 2020**

**Environmental Activity and Sector Registry:**

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Environmental Registry:**

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994- Jun 30, 2021**

**Environmental Compliance Approval:**

Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Environmental Effects Monitoring:**

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Jan 31, 2021**

**Environmental Issues Inventory System:**

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Dec 31, 2016**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2020**

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

**Government Publication Date: Jun 2000-Apr 2021**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

**Government Publication Date: May 31, 2018**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Fuel Storage Tank - Historic:**

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

**Government Publication Date: 1986-Apr 30, 2021**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

**Government Publication Date: 2013-Dec 2019**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Feb 28, 2019**

**Canadian Mine Locations:**

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial

[MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Dec 2020**

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

Federal

[NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial

[NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Government Publication Date: Dec 31, 2019**

**National Defense & Canadian Forces Fuel Tanks:**

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Apr 2018**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal

[NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal

[NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Mar 31, 2021**

**National Energy Board Wells:**

Federal

[NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

**Government Publication Date: 1920-Feb 2003\***



**National Environmental Emergencies System (NEES):**

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Government Publication Date: 1988-Feb 28, 2021**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Jun 2020**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

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

**Orders:**

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994-Apr 30, 2021**

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***



**Pesticide Register:**

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Pipeline Incidents:**

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994- Jun 30, 2021**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-1990, 1992-2018**

**Record of Site Condition:**

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2021**

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-Dec 31, 2020**

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date: 1988-Aug 2020**

**Wastewater Discharger Registration Database:**

Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

**Government Publication Date: 1990-Dec 31, 2018**

**Anderson's Storage Tanks:**

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

**Government Publication Date: 1970 - Dec 2020**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial [WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

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

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Apr 30, 2021**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

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

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

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

# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

Archaeological  
Services

**POSITION**

Environmental Scientist

**EDUCATION**

Carleton University, B.Sc., 2017  
Environmental Science

**EXPERIENCE**

*2019 – Present*

**Paterson Group Inc.**

Consulting Engineers  
Materials Testing and Environmental Divisions  
Environmental Scientist

**SELECT LIST OF PROJECTS**

Phase I and II – ESA Reports – Various Sites - Ottawa  
National Capital Region (CSA Z768-01 & MECP)  
Subgrade Reviews – Various Sites – Ottawa  
Density Testing – Residential and Commercial Sites – Ottawa  
Bearing Surface Investigations – Various Sites - Ottawa

Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

Archaeological  
Services

## POSITION

Associate and Supervisor of the Environmental Division  
Senior Environmental/Geotechnical Engineer

## EDUCATION

Queen's University, B.A.Sc.Eng, 1991  
Geotechnical / Geological Engineering

## MEMBERSHIPS

Ottawa Geotechnical Group  
Professional Engineers of Ontario

## EXPERIENCE

*1991 to Present*

### **Paterson Group Inc.**

Associate and Senior Environmental/Geotechnical Engineer  
Environmental and Geotechnical Division  
Supervisor of the Environmental Division

## SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island  
Agricultural Supply Facilities - Eastern Ontario  
Laboratory Facility – Edmonton (Alberta)  
Ottawa International Airport - Contaminant Migration Study - Ottawa  
Richmond Road Reconstruction - Ottawa  
Billings Hurdman Interconnect - Ottawa  
Bank Street Reconstruction - Ottawa  
Environmental Review – Various Laboratories across Canada - CFIA  
Dwyer Hill Training Centre – Ottawa  
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa  
Remediation Program - Block D Lands – Kingston  
Investigation of former landfill sites – City of Ottawa  
Record of Site Condition for Railway Lands – North Bay  
Commercial Properties – Guelph and Brampton  
Brownfields Remediation – Alcan Site - Kingston  
Montreal Road Reconstruction - Ottawa  
Appleford Street Residential Development - Ottawa  
Remediation Program - Ottawa Train Yards  
Remediation Program - Bayshore and Heron Gate  
Gladstone Avenue Reconstruction – Ottawa  
Somerset Avenue West Reconstruction - Ottawa