



Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Phase I - Environmental Site Assessment

Cardinal Creek Village South
Old Montreal Road
Ottawa, Ontario

Prepared For

Tamarack Homes

Paterson Group Inc.

Consulting Engineers
154 Colonnade Road South
Ottawa (Nepean), Ontario
Canada K2E 7J5

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

May 20, 2022

Report: PE2392-4

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	ii
1.0 INTRODUCTION.....	1
2.0 PROPERTY INFORMATION.....	2
3.0 SCOPE OF INVESTIGATION	3
4.0 RECORDS REVIEW	4
4.1 General.....	4
4.2 Environmental Source Information	4
4.3 Physical Setting Sources	7
5.0 INTERVIEWS	10
6.0 SITE RECONNAISSANCE.....	10
6.1 General Requirements.....	10
6.2 Site Inspection Observations	11
7.0 REVIEW AND EVALUATION OF INFORMATION	12
7.1 Land Use History	12
7.2 Conceptual Site Model.....	12
8.0 CONCLUSION	14
8.1 Assessment.....	14
9.0 STATEMENT OF LIMITATIONS	15
10.0 REFERENCES.....	16

List of Figures

Figure 1 - Key Plan
Figure 2 - Topographic Map
Drawing PE2392-5 - Site Plan
Drawing PE2392-6 - Surrounding Land Use Plan

List of Appendices

Appendix 1 Aerial Photographs
Site Photographs

Appendix 2 MECP Freedom of Information Response
MECP Water Well Records
TSSA Correspondence
City of Ottawa HLUI Response
ERIS Database Report

Appendix 3 Qualifications of Assessors

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.

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_{ESA}



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

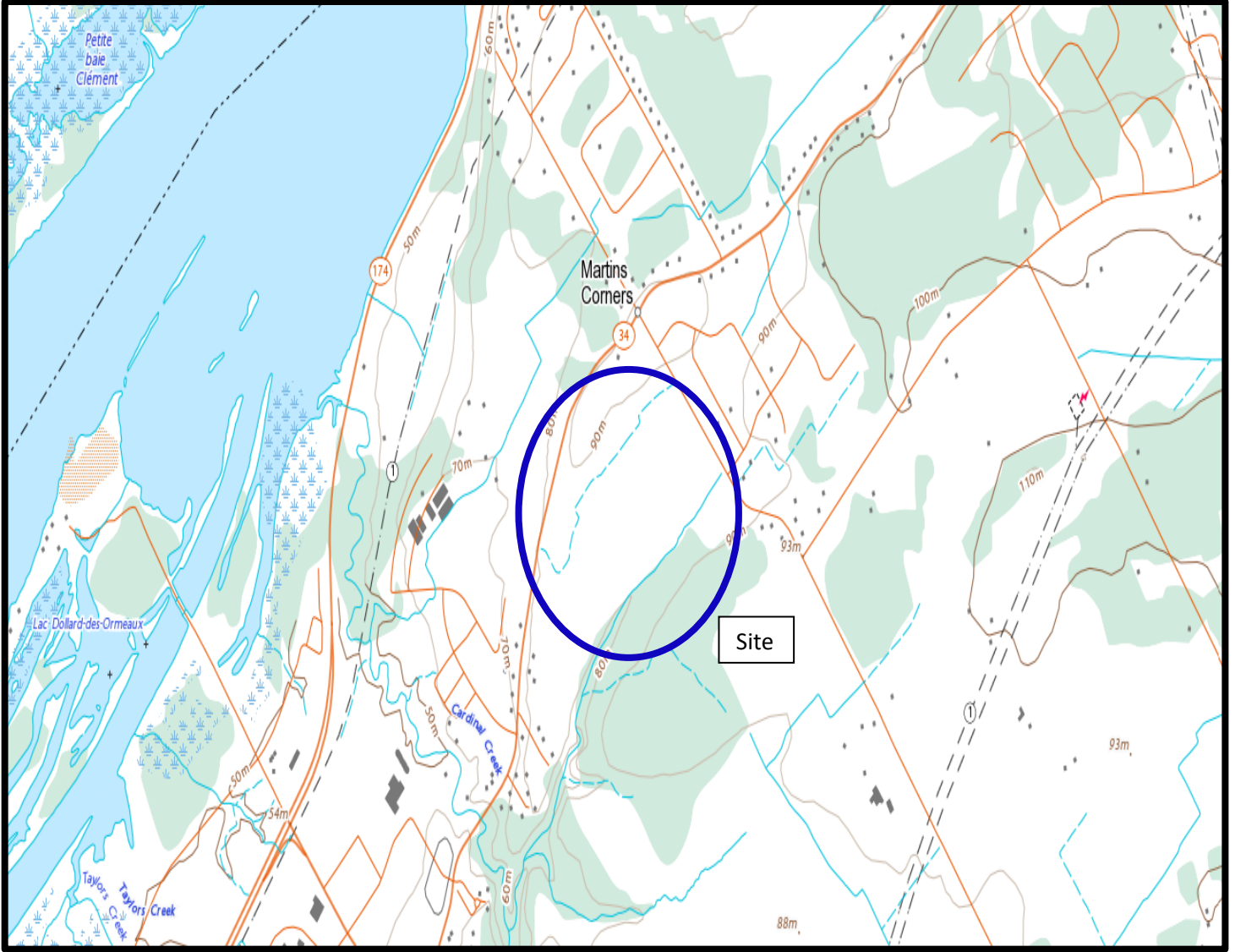
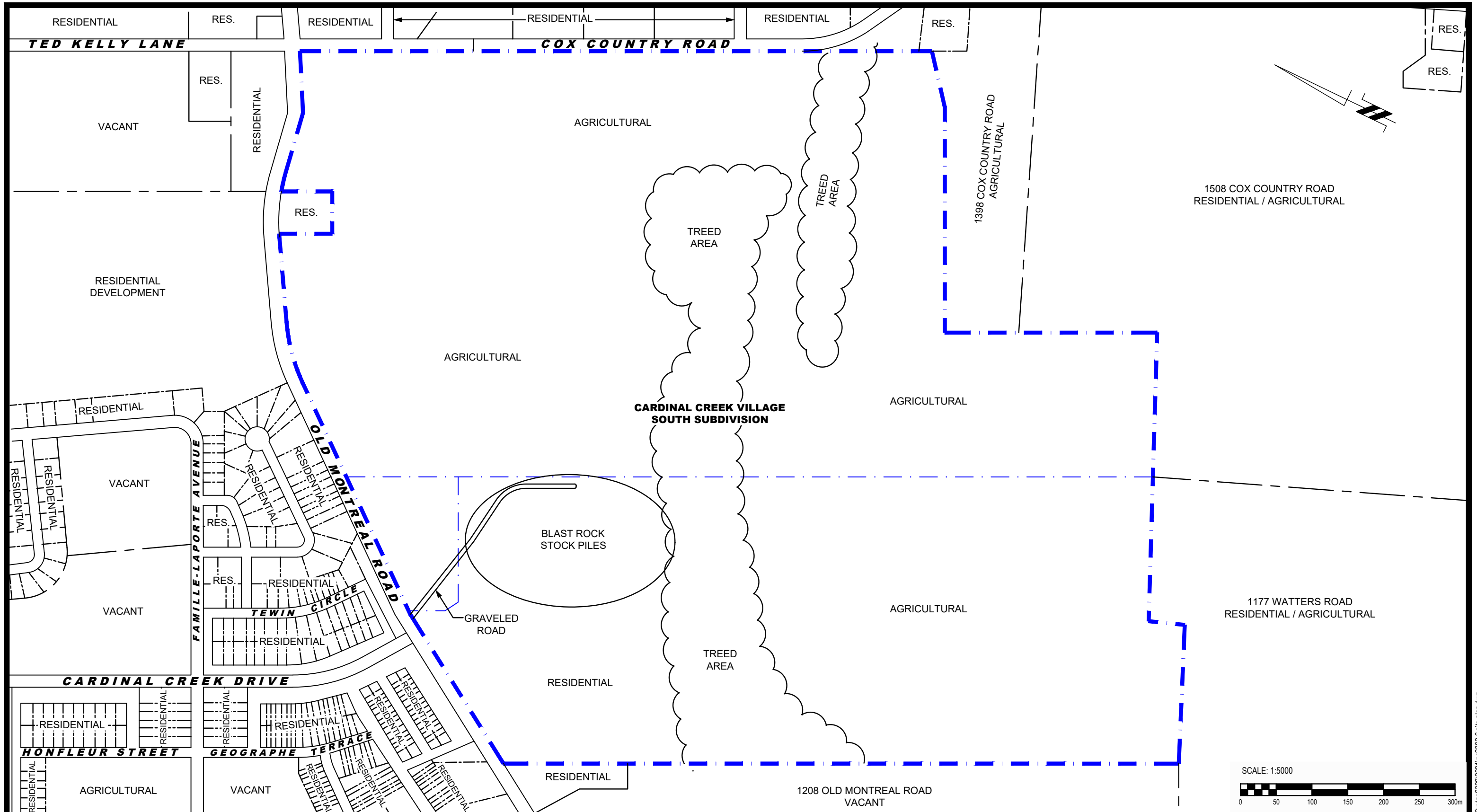


FIGURE 2
TOPOGRAPHIC MAP



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

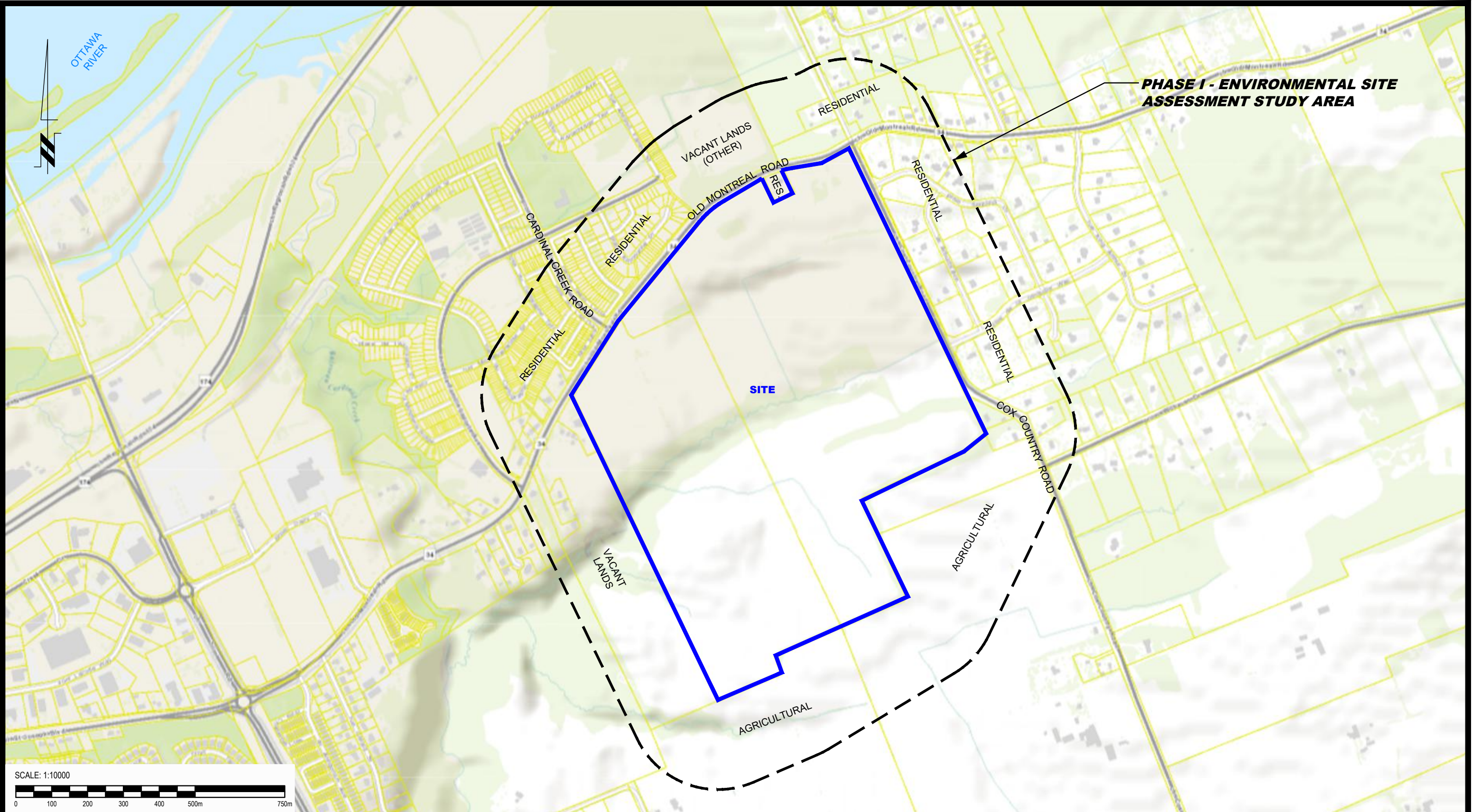
NO.	REVISIONS	DATE	INITIAL

TAGGART HOMES
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.:	PE2392-6
Approved by:	MSD	Revision No.:	



PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA



patersongroup
 consulting engineers

154 Colonnade Road South
 Ottawa, Ontario K2E 7J5
 Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

TAGGART HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

CARDINAL CREEK VILLAGE - SOUTH SUBDIVISION

CUMBERLAND, ONTARIO

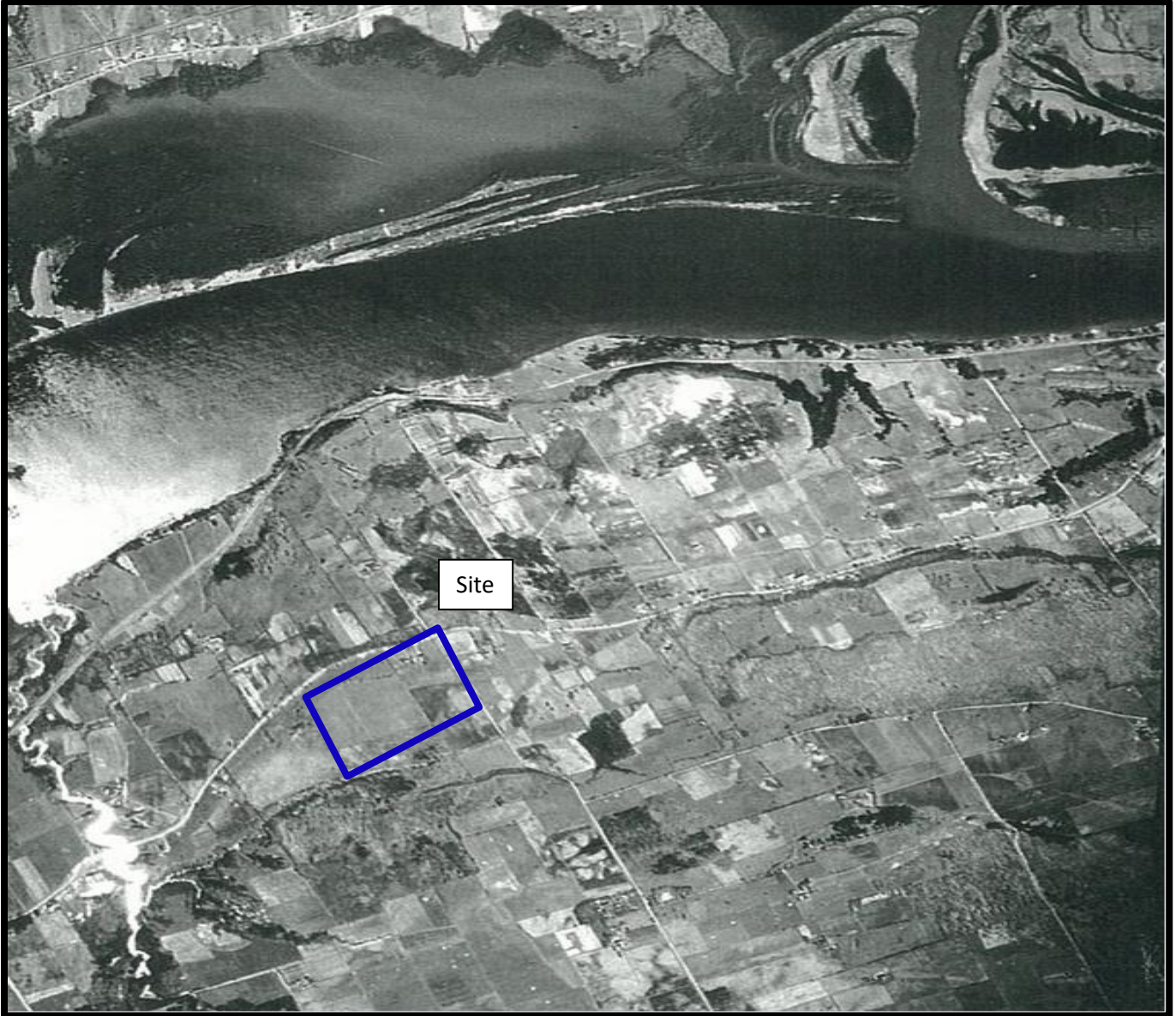
Title: **SURROUNDING LAND USE PLAN**

Scale:	1:10000	Date:	08/2021
Drawn by:	JM	Report No.:	PE2392-4
Checked by:	MR	Dwg. No.:	PE2392-7
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
12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

**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^e 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.

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: **38750** RC: **4** ELEVATION: **2290** RC: **5** BASIN CODE: **25**

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: [REDACTED]

41 WATER RECORD

WATER FOUND FEET	KIND OF WATER			
0212	<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
06	<input checked="" type="checkbox"/> STEEL	250	0	212
17-18	<input type="checkbox"/> GALVANIZED			0023
17-18	<input type="checkbox"/> CONCRETE			
17-18	<input type="checkbox"/> OPEN HOLE			
24-25	<input checked="" type="checkbox"/> STEEL			0212
24-25	<input type="checkbox"/> GALVANIZED			
24-25	<input type="checkbox"/> CONCRETE			
24-25	<input type="checkbox"/> OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE: [REDACTED] DEPTH TO TOP OF SCREEN: 41-44 FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

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

STATIC LEVEL: 100 FEET WATER LEVEL END OF PUMPING: 160 FEET

WATER LEVELS DURING PUMPING:

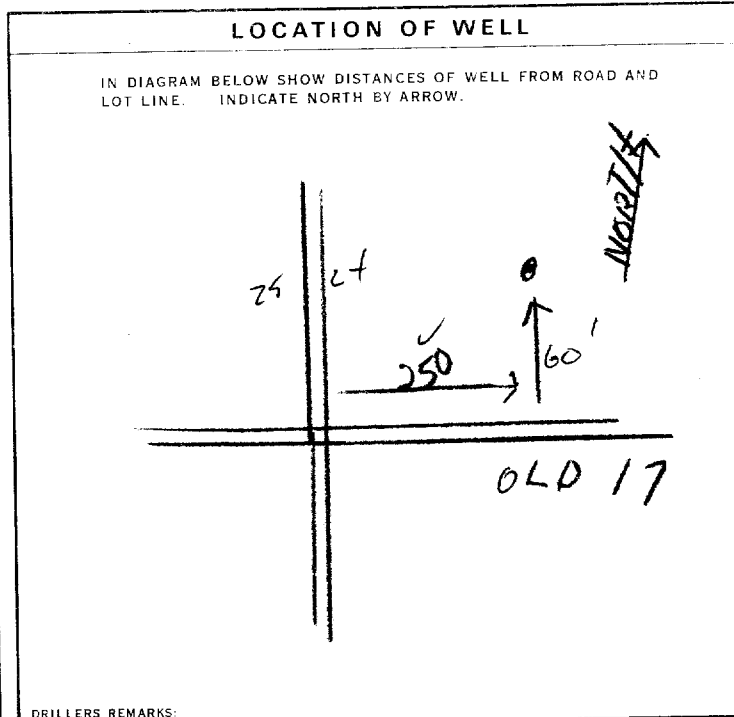
15 MINUTES: 120 FEET	30 MINUTES: 158 FEET	45 MINUTES: 160 FEET	60 MINUTES: 160 FEET
----------------------	----------------------	----------------------	----------------------

PUMP INTAKE SET AT: 130 FEET WATER AT END OF TEST: [REDACTED]

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 200 FEET RECOMMENDED PUMPING RATE: 0006 GPM

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: [REDACTED]
 SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY **3** MO. **7** YR. **72**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1504** DATE RECEIVED: **240473**
 DATE OF INSPECTION: [REDACTED] INSPECTOR: **K**

REMARKS: [REDACTED]

P K
WI



Ontario

City of Thurso - 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

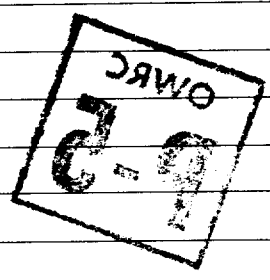
COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Cumberland** CON., BLOCK, TRACT, SURVEY, ETC.: **I O E** LOT: **02A**

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
	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	12	0	0021
06	2 <input type="checkbox"/> GALVANIZED	250		
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
17-18	1 <input type="checkbox"/> STEEL	19	20-23	
06	2 <input type="checkbox"/> GALVANIZED		0305	
	3 <input type="checkbox"/> CONCRETE			
	4 <input checked="" type="checkbox"/> OPEN HOLE			
24-25	1 <input type="checkbox"/> STEEL	26	27-30	
	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			

SCREEN

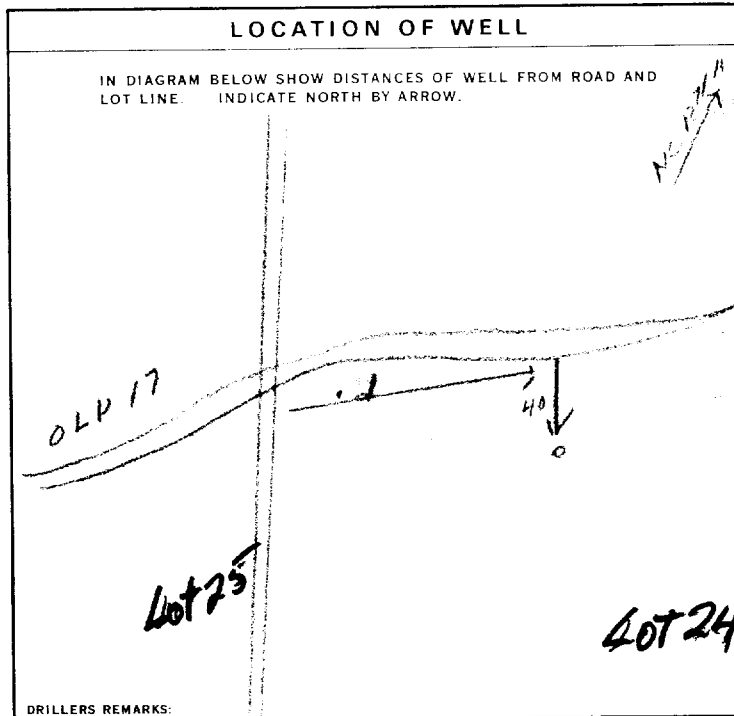
SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER	34-38 LENGTH	39-40
	INCHES	FEET	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN	41-44 80
		FEET	

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	10 PUMPING RATE	11-14 DURATION OF PUMPING	15-18	17-18
1 <input checked="" type="checkbox"/> PUMP	0004	01	18-18	00
		GPM	HOURS	MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING		
030	300	250	225	200
FEET	FEET	FEET	FEET	FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST		
	300	1 <input checked="" type="checkbox"/> CLEAR	2 <input type="checkbox"/> CLOUDY	
	GPM	FEET		
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE	48-49	
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	300	0004	GPM	



FINAL STATUS OF WELL

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED, POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

WATER USE

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

METHOD OF DRILLING

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input checked="" type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input type="checkbox"/> AIR PERCUSSION	

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
G. Charbonneau & Son Drilling Ltd.	1504
ADDRESS	
R. R. 2, Box 194, Orléans, Ont. K0A 2V0	
NAME OF DRILLER OR BORER	LICENCE NUMBER
L. Bourgeois	
SIGNATURE OF CONTRACTOR	SUBMISSION DATE
<i>G. Charbonneau</i>	DAY 23 MO 4 YR. 74

OFFICE USE ONLY

DATA SOURCE	58 CONTRACTOR	59-62 DATE RECEIVED	63-68 80
1	1504	230175	
DATE OF INSPECTION	INSPECTOR	REMARKS:	
		P ✓	
		W I	

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

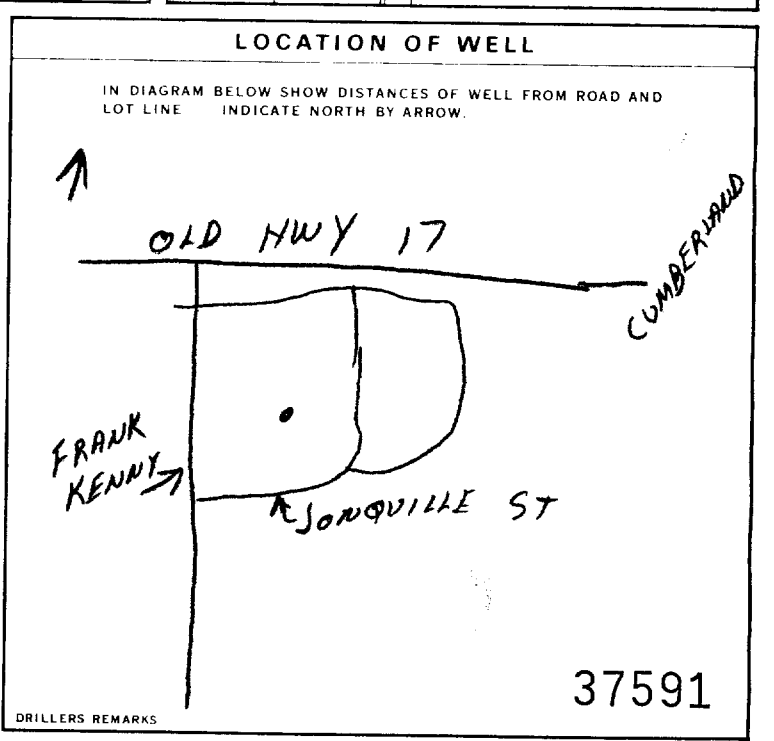
61 PLUGGING & SEALING RECORD

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	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
23 FEET	218 FEET	15 MINUTES: 85 FEET 30 MINUTES: 135 FEET 45 MINUTES: 200 FEET 60 MINUTES: 218 FEET



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 K0A-1M0
 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: 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
CONTRACTOR: King & Co. Ltd.

COUNTY OR DISTRICT: *Northumberland* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Northumberland* 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

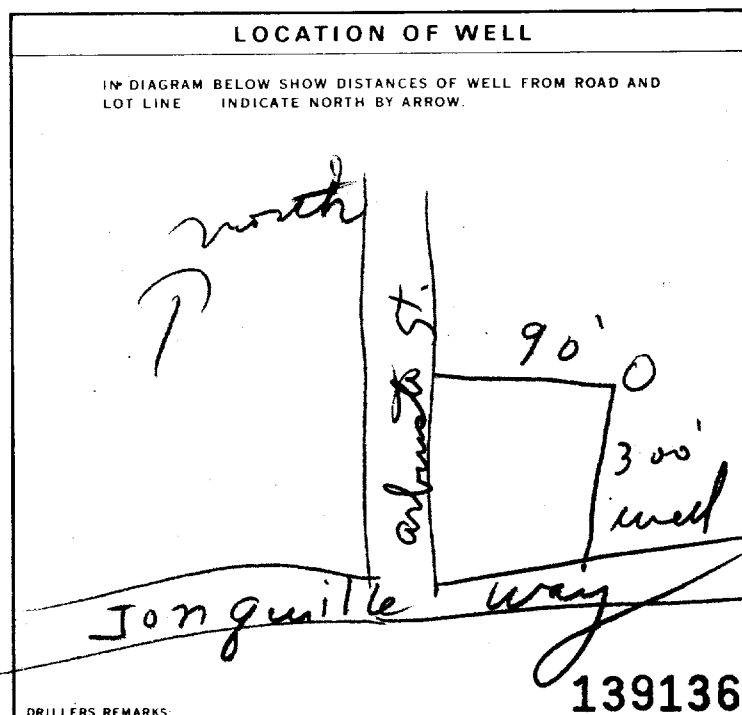
DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
<i>0</i>	<i>44</i>	<i>annular packer</i>
		<i>grout</i>

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
 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*
ADDRESS: *57 A 16th 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*
DATE RECEIVED: *FEB 01 1994*
DATE OF INSPECTION:
INSPECTOR:
REMARKS:
CSUBS



Ministry
of the
Environment

The Ontario Water Resources Act

WATER WELL RECORD

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

11 1527663

MUNICIPALITY: *Blue Mountain* CON. NO.: *1016*

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>	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
<i>6 1/2</i>	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	<i>1.84</i>	<i>0</i>	<i>44</i>
<i>6 8</i>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		<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 (CEMENT GROUT LEAD PACKER ETC)
<i>0</i> <i>44</i>	<i>Cement Grout</i>

71 PUMPING TEST

PUMPING TEST METHOD: 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE: <i>2</i> GPM	DURATION OF PUMPING: <i>1</i> HOURS <i>0</i> MINS
STATIC LEVEL: <i>15</i> FEET	WATER LEVEL END OF PUMPING: <i>170</i> FEET	WATER LEVELS DURING PUMPING:
		15 MINUTES: <i>87</i> FEET 30 MINUTES: <i>125</i> FEET 45 MINUTES: <i>160</i> FEET 60 MINUTES: <i>170</i> FEET
IF FLOWING, GIVE RATE: _____ GPM	PUMP INTAKE SET AT: _____ FEET	WATER AT END OF TEST: _____ FEET
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <i>168</i> FEET	RECOMMENDED PUMPING RATE: <i>2</i> GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW.

Jonquille way

139136

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 8 DEWATERING

WATER USE

1 DOMESTIC 5 COMMERCIAL
 2 STOCK 6 MUNICIPAL
 3 IRRIGATION 7 PUBLIC SUPPLY
 4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING
 9 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 10 DIGGING 11 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: _____ CONTRACTOR: *1414* DATE RECEIVED: *FEB 01 1994*
 DATE OF INSPECTION: _____ INSPECTOR: _____
 REMARKS: _____

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

11

1532723

15011
Municipality Con.
Plan 50M-166

County or District <i>Ottawa Carleton</i>	Township/Borough/City/Town/Village <i>Cumberland</i>	Con block tract survey, etc.	Lot <i>2</i>
Address <i>Cumberland, Ont</i>		Date completed <i>07 02 02</i> day month year	
21	22	23	24

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

31

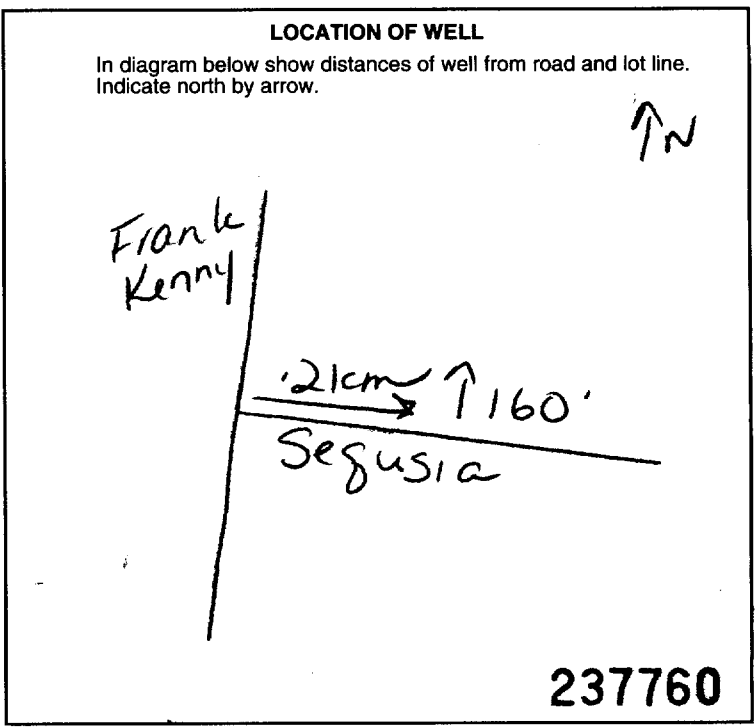
32

41 WATER RECORD			
Water found at - feet	Kind of water		
10-13	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas	14
15-18	1 <input checked="" type="checkbox"/> Fresh 2 <input checked="" type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas	19
20-24	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas	24
25-28	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas	29
30-33	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas	34

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
<i>6 1/4</i>	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic	<i>188</i>	<i>0</i>	<i>44</i>
<i>0 3/4</i>	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Open hole <input type="checkbox"/> Plastic		<i>0</i>	<i>42</i>
<i>6</i>	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Open hole <input type="checkbox"/> Plastic		<i>42</i>	<i>260</i>

61 PLUGGING & SEALING RECORD			
Depth set at - feet	Material and type (Cement grout, bentonite, etc.)	Annular space	
		From	To
<i>2 44</i>	<i>Cement grout</i>	<i>13</i>	<i>14-17</i>
		<i>18-21</i>	<i>22-25</i>
		<i>26-29</i>	<i>30-33</i>

71 PUMPING TEST				
Pumping test method	Pumping rate	Duration of pumping		
1 <input type="checkbox"/> Pump 2 <input type="checkbox"/> Bailer	GPM	Hours	Mins	
Static level	Water level end of pumping	Water levels during		
feet	feet	15 minutes	30 minutes	45 minutes
		26-28	29-31	32-34
				35-37
If flowing give rate	Pump intake set at	Water at end of test		
GPM	feet	<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy		
Recommended pump type	Recommended pump setting	Recommended pump rate		
<input type="checkbox"/> Shallow <input type="checkbox"/> Deep	feet	GPM		



54 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	

55-56 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	

57 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 <i>Air Kold Drilling Ltd</i>	Well Contractor's Licence No. <i>1119</i>
Address <i>RR#2 Jasper, Ont</i>	
Name of Well Technician <i>Shannon Purcell</i>	Well Technician's Licence No. <i>12122</i>
Signature of Technician/Contractor <i>Kenny</i>	Submission date <i>28 7 02</i> day mo yr

MINISTRY USE ONLY	Data source	Contractor	Date received
		<i>1119</i>	<i>APR 16 2002</i>
	Date of inspection	Inspector	
Remarks <i>CSS.ES2</i>			

Well Location

Address of Well Location (Street Number/Name) 1120 Ted Kelly hwy		Township Cumberland.	Lot 25	Concession 1
County/District/Municipality OTTAWA-city		City/Town/Village OTTAWA	Province Ontario	Postal Code K4C1A7
UTM Coordinates NAD 83	Zone 18	Easting 464419	Northing 5030991	Municipal Plan and Sublot Number 50R 1299

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-STAKE	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 (m³/ft³)
6.06 0	Cement bunts # 30	120 kg

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: Pump intake set at (m/ft) 54.55 Pumping rate (l/min / GPM) 13.50 Duration of pumping hrs + 27 min Final water level end of pumping (m/ft) 54.55 If flowing give rate (l/min / GPM) Recommended pump depth (m/ft) 98.48 Recommended pump rate (l/min / GPM) 22.75 Well production (l/min / GPM) 0.38 GPM Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	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
10	45.16	10	53.15	
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	
60		60	50.78	

Method of Construction		Well Use	
<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input checked="" type="checkbox"/> Rotary (Reverse) AIR	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<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)	
			From	To
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 68.18 (m/ft)	Kind of Water: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft) From	Diameter (cm/in)
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	0	6.66 15.86
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	6.66 100	15.55

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

Bus. Telephone No. (inc. area code) 613987-5598	Name of Well Technician (Last Name, First Name) Desnoyers Louis
Well Technician's Licence No. TG 25	Signature of Technician and/or Contractor Louis Desnoyers
	Date Submitted 2010 07 15

Map of Well Location

Please provide a map below following instructions on the back.

53 meters →

Frank-Kenny Rd Ted-kelly hwy

old Mowtrench Rd.

Comments:

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

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
--------------------------	------------------------

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
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

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

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
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>)

[about Ontario \(https://www.ontario.ca/page/about-ontario\)](https://www.ontario.ca/page/about-ontario).

[accessibility \(https://www.ontario.ca/page/accessibility\)](https://www.ontario.ca/page/accessibility).

[news \(http://news.ontario.ca/newsroom/en\)](http://news.ontario.ca/newsroom/en).

[privacy \(https://www.ontario.ca/page/privacy-statement\)](https://www.ontario.ca/page/privacy-statement).

[terms of use \(https://www.ontario.ca/page/terms-use\)](https://www.ontario.ca/page/terms-use).

[© Queen's Printer for Ontario, 2012–21 \(https://www.ontario.ca/page/copyright-information-c-queens-printer-ontario\)](https://www.ontario.ca/page/copyright-information-c-queens-printer-ontario).

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 crosses*
 QF. Cont. lot 24
 Township, Village, Town or City... 31G/11W 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>200 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

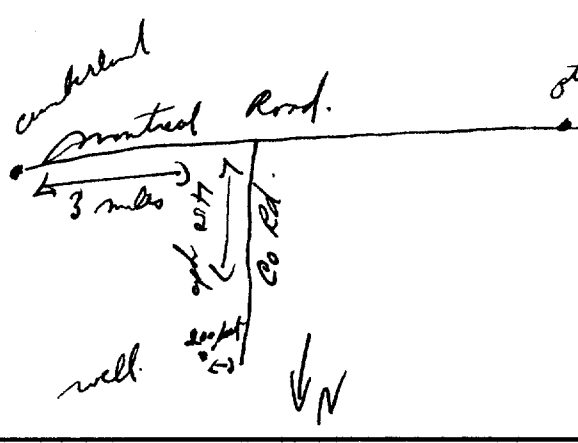
Kind (fresh or mineral).....	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<u>fresh</u>	<u>92'</u>	<u>fresh</u>	<u>78 feet</u>
Quality (hard, soft, contains iron, sulphur, etc.)..... <u>hard</u>			
Appearance (clear, cloudy, coloured)..... <u>clear</u>			
For what purpose(s) is the 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).

[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

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

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

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
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>)

[about Ontario \(https://www.ontario.ca/page/about-ontario\)](https://www.ontario.ca/page/about-ontario).

[accessibility \(https://www.ontario.ca/page/accessibility\)](https://www.ontario.ca/page/accessibility).

[news \(http://news.ontario.ca/newsroom/en\)](http://news.ontario.ca/newsroom/en).

[privacy \(https://www.ontario.ca/page/privacy-statement\)](https://www.ontario.ca/page/privacy-statement).

[terms of use \(https://www.ontario.ca/page/terms-use\)](https://www.ontario.ca/page/terms-use).

[© Queen's Printer for Ontario, 2012–21 \(https://www.ontario.ca/page/copyright-information-c-queens-printer-ontario\)](https://www.ontario.ca/page/copyright-information-c-queens-printer-ontario).

UTM 182 464520 E

5R 510386910 N

Elev. 5R 031010

Basin 24

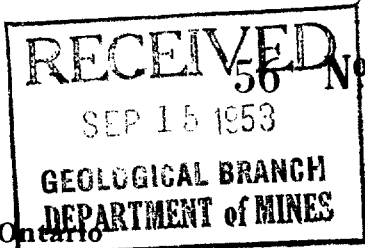
O.F. Con I Rot 24



ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario



755

1513110

Water Well Record

319/116

County or District Russell Tp. Cumberland Cont. 7 Lot. 24 Pt. Lot. 3

Russell Cumberland Acres

(including pump)

Type and Casing Record

Pumping Test

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

Water Record

Kind (fresh or mineral)	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<u>fresh</u>	<u>90'</u>		<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 feet</u>			
What is source of contamination? <u>septic</u>			
Enclose a copy of any mineral analysis that has been made of water			

Well Log

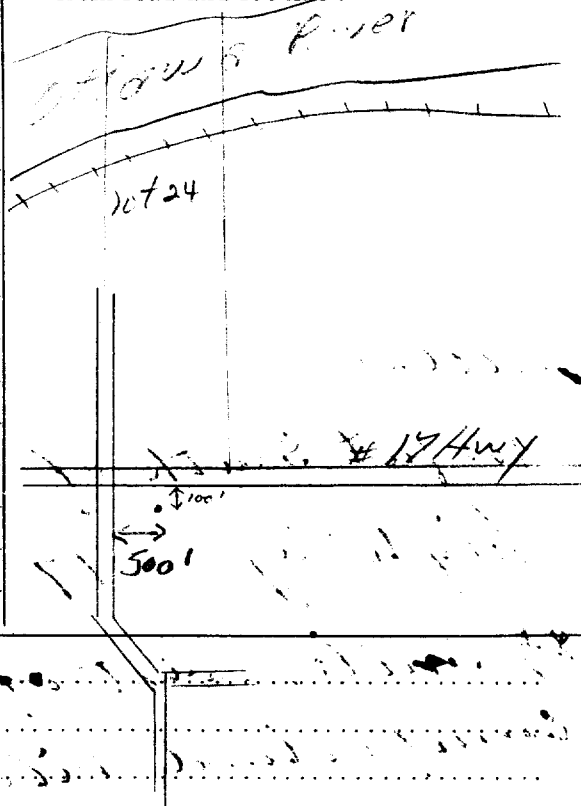
Drift and Bedrock Record

From	To
0 ft.	ft.

<u>Blue clay</u>	<u>1</u>	<u>5</u>
<u>gray limestone</u>		<u>90</u>

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 M. C. Cherry

Address var

Recorded by Address

Date Sept 14 Licence Number 365

UTM 182 464440 E
 19R 51038625 N
 Elev. 19R 02810



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

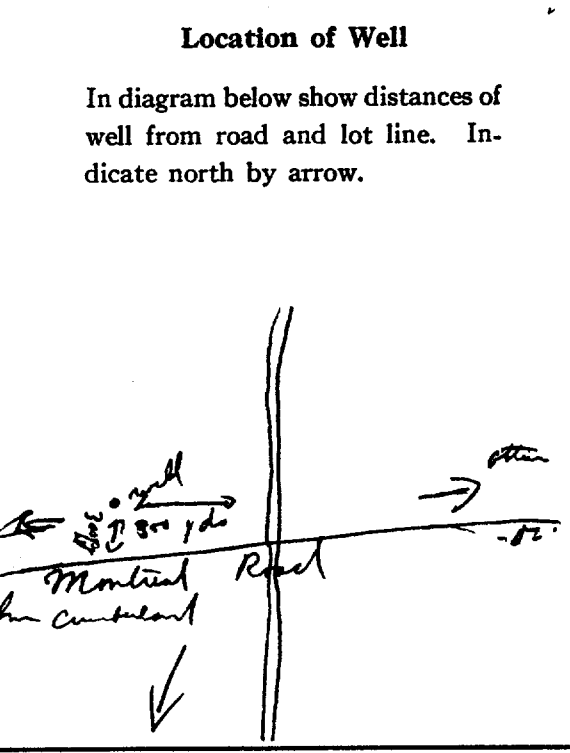
Township, Village, Town or City... *319/11W Cumberland Ont*
 Town or City... *Cumbehead Ont*
 Date Completed... *Feb 7 1952* Cost of Well (excluding pump).....

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 gal</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)..... <i>fresh</i>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur, etc.)..... <i>hard</i>			
Appearance (clear, cloudy, coloured)..... <i>clear</i>	<i>81'</i>	<i>fresh</i>	<i>69 feet</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</i>	<i>12 -</i>	<i>81</i>



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

UTM 182464570E
 5R 503871010N
 Elev. 5R 03010
 Basin 25



1513113

GROUND WATER BRANCH 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

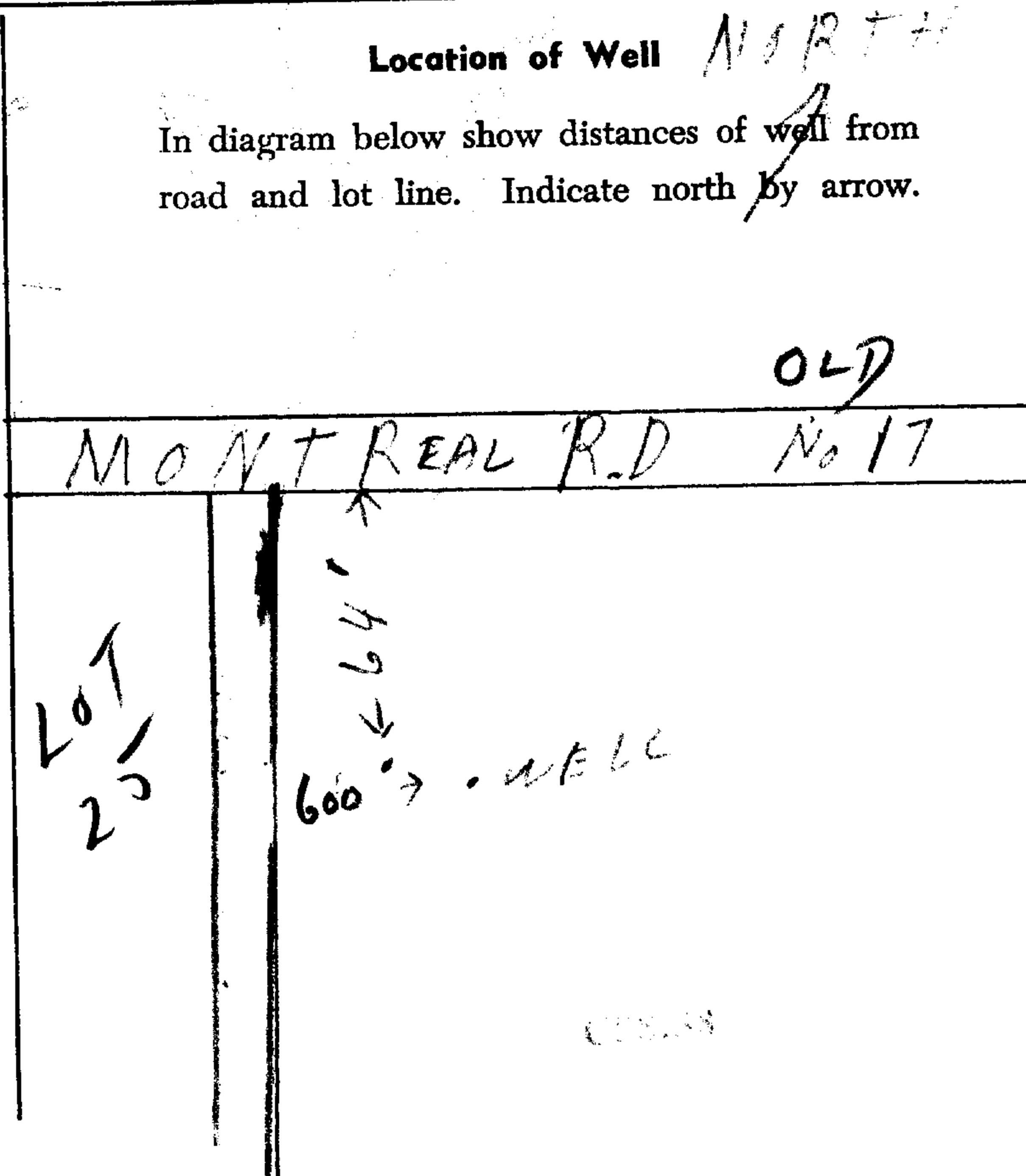
Static level 16 feet
 Test-pumping rate 8 G.P.M.
 Pumping level 130 feet
 Duration of test pumping 1 hour
 Water clear or cloudy at end of test clear
 Recommended pumping rate 3 G.P.M.
 with pumping level of 50

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)





5601228

31 G
11 W

THURSDAY
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 & 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

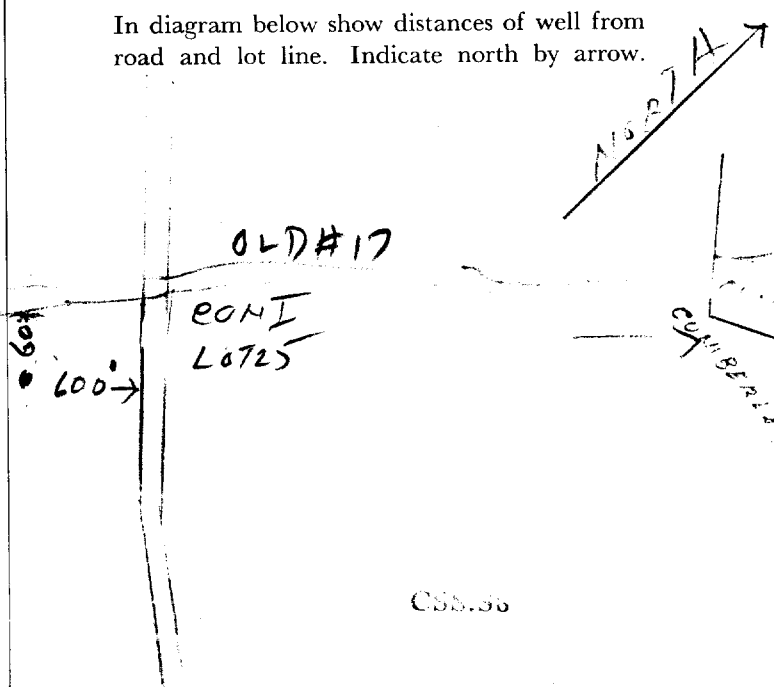
Address R. R. # 1, Orleans, Ont.

Date August 1st, 1961

G. Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





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.**

STATIONING: 24 **038890** 25 **14** 26 **02715** 30 **1ST** 31 **2ST**

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		1513128	70	85

31 **0088205** **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 checked="" 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

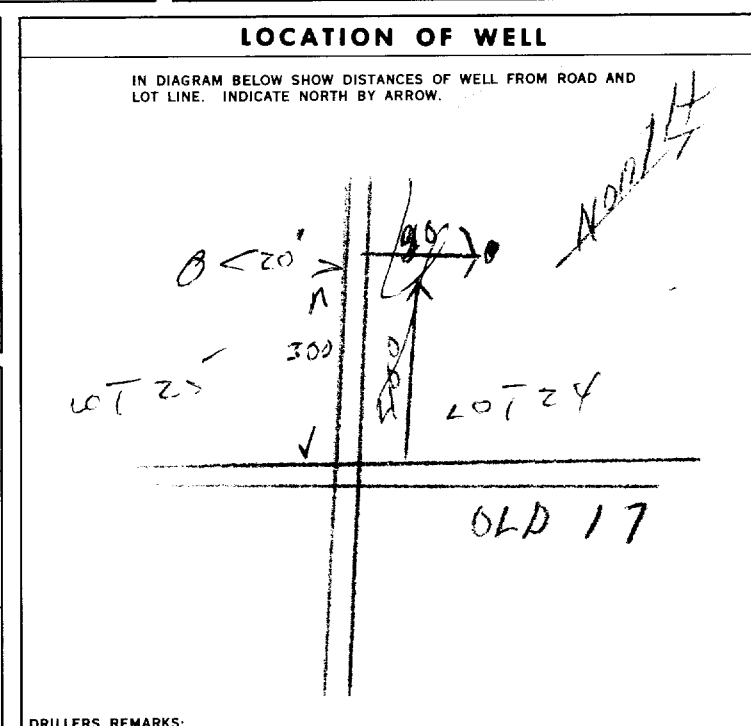
WATER AT END OF TEST: CLEAR CLOUDY

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

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

City of Toronto - B.25
316/11 W

WATER WELL RECORD

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

1513933

15011

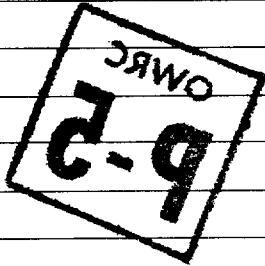
0F

01

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Cumberland	CON., BLOCK, TRACT, SURVEY, ETC. 1st from Ottawa R. C.F.I.	LOT 25-27 025
ADDRESS R. 1, Cumberland			DATE COMPLETED 48-53 DAY 19 MO 09 YR. 73
DEPTH (FEET)	RC	ELEVATION	RC
0 3 8 5 8 7	4	0305	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	6
brown	slate			6	80
grey	limestone			80	200
brown	slate			200	290



31	0006614	0080619	0200215	0230619
----	---------	---------	---------	---------

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
0-13	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
10-11	1 <input checked="" type="checkbox"/> STEEL	180	0	21
17-18	1 <input type="checkbox"/> STEEL		20-23	0021
24-25	1 <input checked="" type="checkbox"/> STEEL		27-30	0230

SCREEN

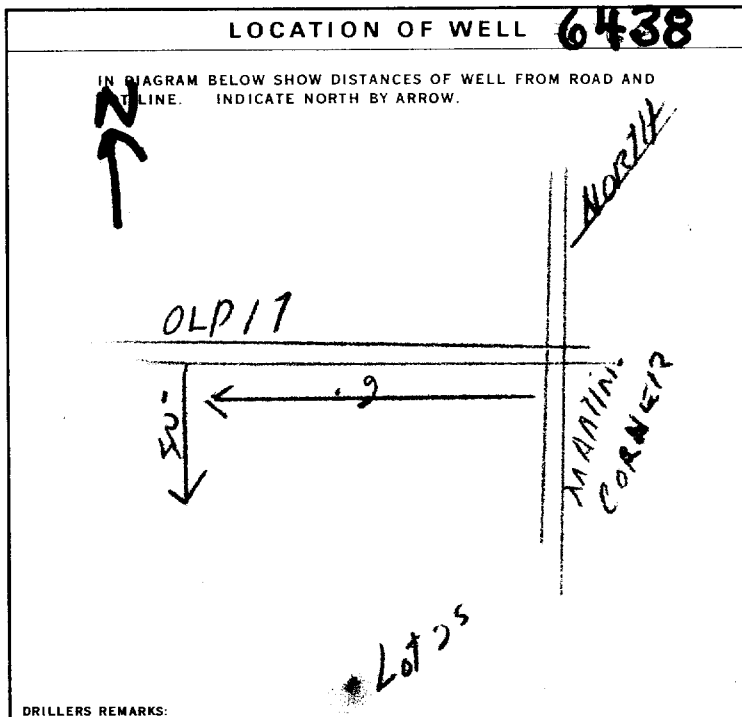
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN 41-44 FEET

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

71 PUMPING TEST

PUMPING METHOD <input checked="" type="checkbox"/> Pump <input type="checkbox"/> BAILER	PUMPING RATE 0004 GPM	DURATION OF PUMPING 15-16 HOURS 00 MINS
STATIC LEVEL 070 FEET	WATER LEVEL END OF PUMPING 200 FEET	WATER LEVELS DURING
19-21	22-24	15 MINUTES
		26-28
		29-31
		32-34
		35-37
		150 FEET 100 FEET 050 FEET 030 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 200 FEET	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 200 FEET	RECOMMENDED PUMPING RATE 0004 GPM
50-53 000.1 GPM./FT. SPECIFIC CAPACITY		



FINAL STATUS OF WELL

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED, POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

WATER USE

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
	9 <input type="checkbox"/> NOT USED

METHOD OF DRILLING

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input checked="" type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input type="checkbox"/> 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 <i>G. Charbonneau</i>	SUBMISSION DATE DAY 19 MO 9 YR. 73

OFFICE USE ONLY

DATA SOURCE 1	CONTRACTOR 1504	DATE RECEIVED 180374
DATE OF INSPECTION	INSPECTOR 180374	
REMARKS		P <input checked="" type="checkbox"/>
		WI



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

LOT 25

COUNTY OR DISTRICT
Carleton

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE
Cumberland

CON., BLOCK, TRACT, SURVEY ETC.
~~1501/11~~

LOT 25

in Bella Vista, Cumberland, Ont.

DATE COMPLETED
DAY 10 MO 07 YR 73

RC 0.38 8/10

ELEVATION RC 10.275

BASIN CODE 25

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 169946/11A 16012/117 100906/19 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: 01 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

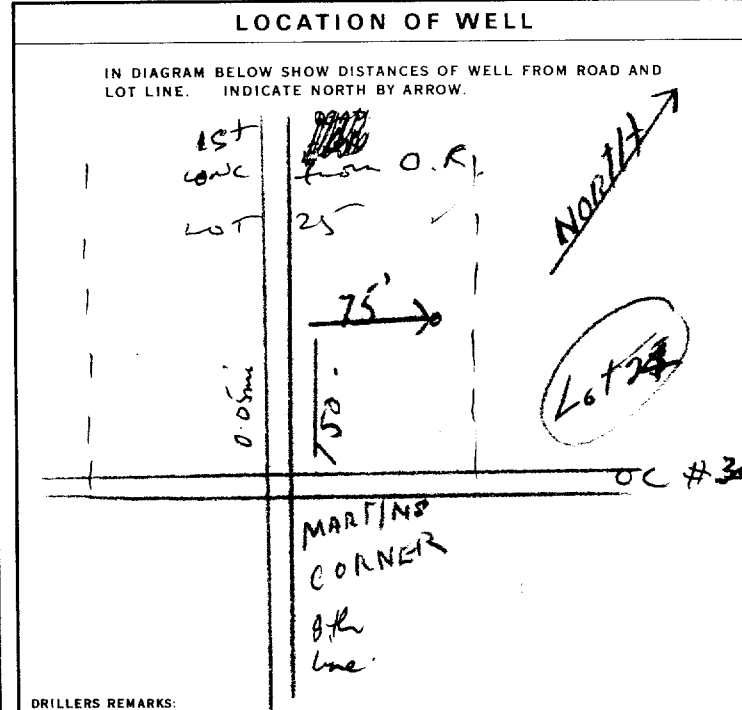
IF FLOWING GIVE RATE: 160 GPM

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**

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

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

SIGNATURE OF CONTRACTOR: *Gerard Charbonneau*

SUBMISSION DATE: DAY 10 MO 7 YR 73

OFFICE USE ONLY

DATA SOURCE: 1

CONTRACTOR: 1504

DATE RECEIVED: 7/23/73

DATE OF INSPECTION: 7/23/73

INSPECTOR: R

REMARKS:

P R

WI

RE: Records Search Request for PE2392

Public Information Services <publicinformationsservices@tssa.org>

Thu 8/12/2021 12:19 PM

To: Mohammed Ramadan <MRamadan@Patersongroup.ca>

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 and email the completed form to 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.orgwww.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

paterongroup

solution oriented engineering

over 60 years serving our clients

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

Cell: (343) 998-8982

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



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.

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

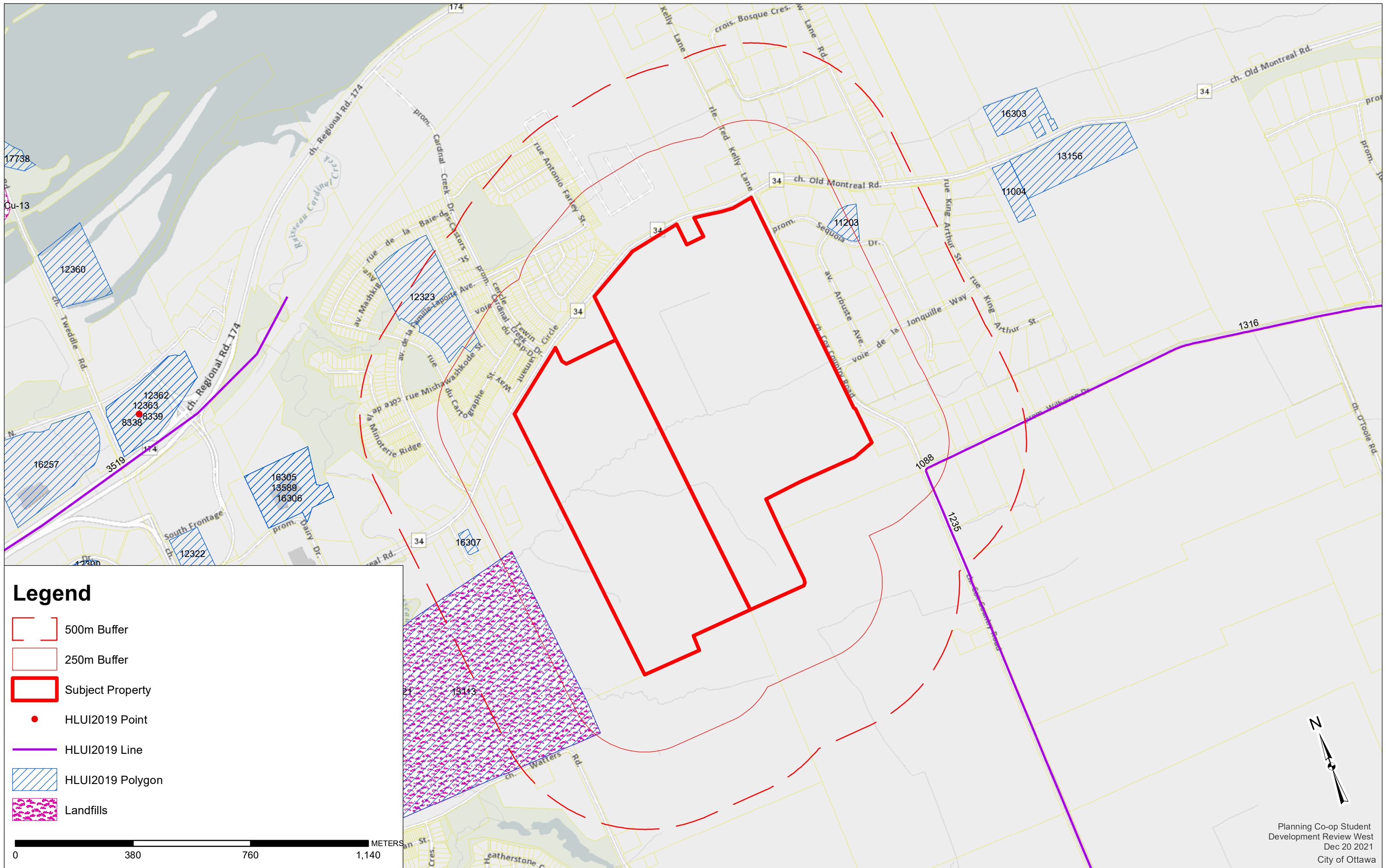
MB / JR

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*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	11
Map.....	18
Aerial.....	19
Topographic Map.....	20
Detail Report.....	21
Unplottable Summary.....	150
Unplottable Report.....	154
Appendix: Database Descriptions.....	324
Definitions.....	333

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

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 & 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 & 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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	<i>Indian & 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 & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & 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
Total:			8	48	56

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	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	21
1	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	21
2	WWIS		1400 OLD MONTREAL RD lot 25 Ottawa ON <i>Well ID: 7207987</i>	E/0.0	11.76	21
3	WWIS		1400 OLD MONTREAL ROAD lot 25 Ottawa ON <i>Well ID: 7207986</i>	E/0.0	10.74	24
4	EHS		1422 Old Montreal Rd Ottawa ON K4A 3N8	N/0.0	3.59	26
5	WWIS		lot 25 con 1 ON <i>Well ID: 1513125</i>	N/0.0	3.72	26
6	BORE		ON	N/0.0	3.72	28
7	WWIS		lot 25 con 1 ON <i>Well ID: 1513933</i>	NNE/0.0	4.25	30

Executive Summary: Site Report Summary - Surrounding Properties

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

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

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

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

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.

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	192.3	44

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	1

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	1

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	4
	1208 Old Montreal Road Orléans ON K4A 3N6	71.7	15
	1154-1208 Old Montreal Rd Ottawa ON	126.0	25

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

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	46

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	14

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	2

<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	<u>3</u>
	lot 25 con 1 ON <i>Well ID:</i> 1513125	0.0	<u>5</u>
	lot 25 con 1 ON <i>Well ID:</i> 1513933	0.0	<u>7</u>
	lot 27 con 1 ON <i>Well ID:</i> 1514989	6.0	<u>8</u>
	lot 25 con 1 ON <i>Well ID:</i> 1513129	38.4	<u>9</u>
	lot 27 con 1 ON <i>Well ID:</i> 1512335	53.4	<u>11</u>
	lot 24 con 1 ON <i>Well ID:</i> 1513111	61.0	<u>12</u>
	lot 24 ON <i>Well ID:</i> 1523410	79.4	<u>16</u>
	1120 TED KELLY LANE lot 25 Ottawa ON <i>Well ID:</i> 7149729	85.7	<u>17</u>
	lot 24 con 1 ON <i>Well ID:</i> 1514504	86.8	<u>18</u>
	lot 24 con 1 ON <i>Well ID:</i> 1512412	87.2	<u>19</u>
	lot D con 8 ON	99.6	<u>20</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1512331		
	lot 25 ON	100.6	<u>21</u>
	<i>Well ID:</i> 1520011		
	lot 25 ON	100.6	<u>21</u>
	<i>Well ID:</i> 1523892		
	lot 25 con 1 ON	110.2	<u>22</u>
	<i>Well ID:</i> 1519190		
	lot 25 con 1 ON	114.0	<u>23</u>
	<i>Well ID:</i> 1513951		
	lot 27 ON	124.9	<u>24</u>
	<i>Well ID:</i> 1526501		
	lot 27 ON	124.9	<u>24</u>
	<i>Well ID:</i> 1528921		
	lot 27 con 1 ON	128.2	<u>26</u>
	<i>Well ID:</i> 1512408		
	lot 24 con 1 ON	129.4	<u>27</u>
	<i>Well ID:</i> 1513109		
	lot 27 con 1 ON	134.7	<u>30</u>
	<i>Well ID:</i> 1513130		
	lot 25 con 1 ON	135.7	<u>32</u>
	<i>Well ID:</i> 1513128		
	lot 27 con 1 ON	145.7	<u>33</u>
	<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	<u>34</u>
	lot 24 con 1 ON <i>Well ID:</i> 1513110	160.4	<u>36</u>
	1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON <i>Well ID:</i> 1534641	169.8	<u>38</u>
	lot 24 con 1 ON <i>Well ID:</i> 1513927	171.5	<u>39</u>
	lot 24 con 1 ON <i>Well ID:</i> 1513118	188.5	<u>41</u>
	lot 24 con 1 ON <i>Well ID:</i> 1513113	191.9	<u>42</u>
	lot 24 con 1 ON <i>Well ID:</i> 1513117	193.0	<u>45</u>
	lot D con 8 ON <i>Well ID:</i> 1519783	213.3	<u>47</u>
	lot 2 ON <i>Well ID:</i> 1532723	223.8	<u>48</u>
	1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON <i>Well ID:</i> 1534642	225.4	<u>49</u>
	lot 28 con 1 ON <i>Well ID:</i> 1513134	231.0	<u>50</u>
	lot 1 con 1 ON	239.9	<u>52</u>

Site

Address

Distance (m)

Map Key

Well ID: 1532633

75°28'W

75°27'30"W

75°27'W

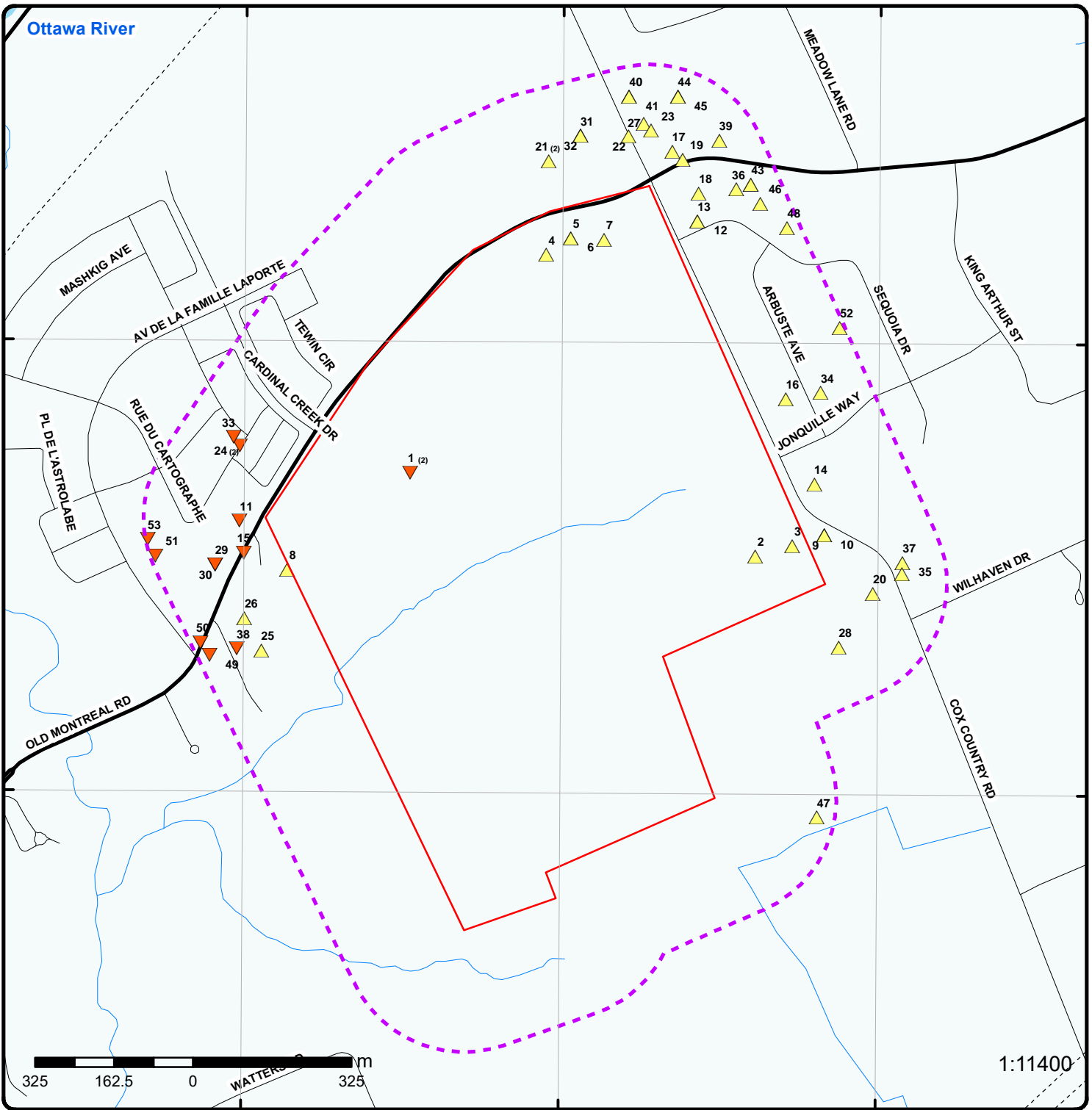
Ottawa River

45°30'N

45°30'N

45°29'30"N

45°29'30"N



1:11400

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
	Proposed Road		
	Ferry Route/Ice Road		



Aerial Year: 2020

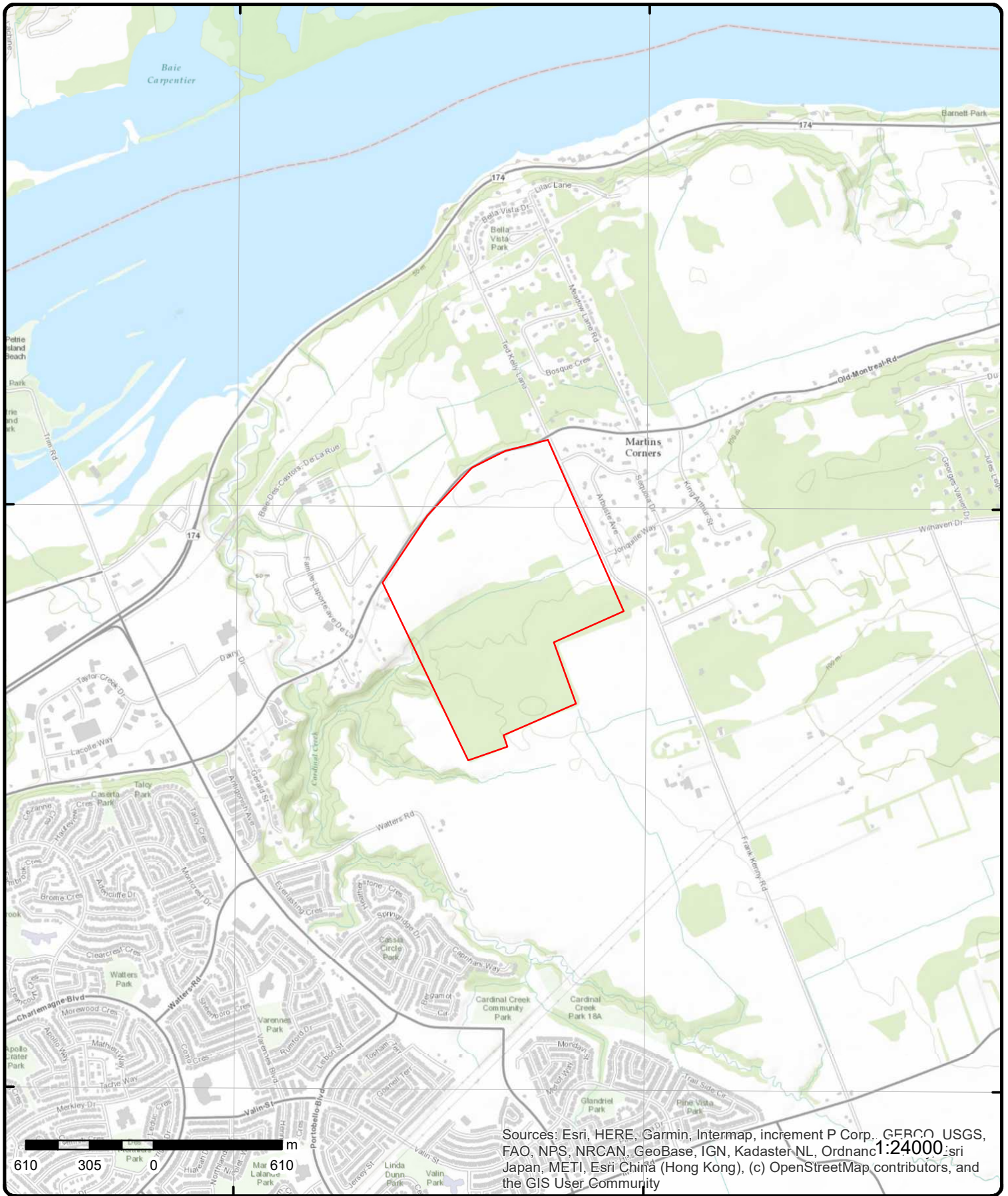
Order Number: 21073001373

Address: Old Montreal Road, Ottawa, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



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

Topographic Map

Order Number: 21073001373

Address: Old Montreal Road, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

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

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

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

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

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

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

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

Bore Hole ID:	10035113	Elevation:	95.313407
DP2BR:	10.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464210.80
Code OB Desc:	Bedrock	North83:	5038812.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	01-Aug-1961 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:	931022477
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	11
Mat2 Desc:	GRAVEL
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:	931022478
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	210.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961513125
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

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

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

Borehole Geology Stratum

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

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

Source

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

Source List

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

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

7	1 of 1	NNE/0.0	88.8 / 4.25	lot 25 con 1 ON	WWIS
Well ID:		1513933		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 3/18/1974	
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\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

Bore Hole ID:	10035915	Elevation:	94.575462
DP2BR:	6.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464278.80
Code OB Desc:	Bedrock	North83:	5038809.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	19-Sep-1973 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: 931024831

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

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
Pump Test Detail ID: 934380779					
Test Type: Recovery					
Test Duration: 30					
Test Level: 100.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934641772					
Test Type: Recovery					
Test Duration: 45					
Test Level: 50.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934899242					
Test Type: Recovery					
Test Duration: 60					
Test Level: 30.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934099705					
Test Type: Recovery					
Test Duration: 15					
Test Level: 150.0					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933469687					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 230.0					
Water Found Depth UOM: ft					

<u>8</u>	1 of 1	W/6.0	85.2 / 0.66	lot 27 con 1 ON	WWIS
Well ID: 1514989				Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use: Domestic				Date Received: 10/6/1975	
Sec. Water Use: 0				Selected Flag: True	
Final Well Status: Water Supply				Abandonment Rec:	
Water Type:				Contractor: 1558	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: CUMBERLAND TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 027	
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:					

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

PDF URL (Map): 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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930065328			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		78			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991514989			
Pump Set At:					
Static Level:		75.0			
Final Level After Pumping:		175.0			
Recommended Pump Depth:		175.0			
Pumping Rate:		3.0			
Flowing Rate:					
Recommended Pump Rate:		3.0			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100791			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		175.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934645208			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		175.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934894332			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		175.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934384642			
Test Type:		Draw Down			
Test Duration:		30			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		175.0			
Test Level UOM:		ft			
<u>Water Details</u>					
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
Well ID:	1513129			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	2/23/1971
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\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

Bore Hole ID:	10035117	Elevation:	94.780303
DP2BR:	10.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464730.80
Code OB Desc:	Bedrock	North83:	5038202.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	23-May-1970 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:			

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

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

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

10	1 of 1	E/38.5	94.3 / 9.79	ON	BORE
--------------------	--------	--------	-------------	----	------

Borehole ID:	616405	Inclin FLG:	No
OGF ID:	215517193	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:	45.496459
Total Depth m:	45.7	Longitude DD:	-75.451407
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	464731
Drill Method:		Northing:	5038202
Orig Ground Elev m:	91.4	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	94.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403849	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	3	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Stones	Geologic Formation:	
Material 2:	Boulders	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	STONES. GREY.		
Geology Stratum ID:	218403850	Mat Consistency:	
Top Depth:	3	Material Moisture:	
Bottom Depth:	45.7	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Limestone	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	LIMESTONE. GREY. 00147IED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY = 19000.		

Source

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

Source List

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

11	1 of 1	W/53.4	76.5 / -8.00	lot 27 con 1 ON	WWIS
Well ID:		1512335		Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:		Domestic		Date Received:	11/10/1972
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:	027
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\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

Bore Hole ID:	10034327	Elevation:	74.747116
DP2BR:	10.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	463530.80
Code OB Desc:	Bedrock	North83:	5038232.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	31-May-1972 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**

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

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

Well ID:	1513111	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	4/3/1952
Sec. Water Use:	0	Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3725
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:	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\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

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

Overburden and Bedrock

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Casing ID:		930062185			
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991513111			
Pump Set At:					
Static Level:		12.0			
Final Level After Pumping:		15.0			
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			
<u>Water Details</u>					
Water ID:		933468612			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		81.0			
Water Found Depth UOM:		ft			
<hr/>					
<u>13</u>	1 of 1	NE/61.1	90.0 / 5.49	ON	BORE
Borehole ID:	616419			Inclin FLG:	No
OGF ID:	215517206			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	FEB-1952			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.502252
Total Depth m:	24.7			Longitude DD:	-75.454782
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	464471
Drill Method:				Northing:	5038847
Orig Ground Elev m:	85.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	93				
Concession:					
Location D:					
Survey D:					
Comments:					

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

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

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:

15	1 of 1	W/71.7	80.8 / -3.70	1208 Old Montreal Road Orléans ON K4A 3N6	EHS
--------------------	--------	--------	--------------	--	-----

Order No:	21020200030	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Standard Report	Client Prov/State:	ON
Report Date:	05-FEB-21	Search Radius (km):	.25
Date Received:	02-FEB-21	X:	-75.4666548
Previous Site Name:		Y:	45.4960694
Lot/Building Size:			
Additional Info Ordered:			

16	1 of 1	ENE/79.4	89.2 / 4.64	lot 24 ON	WWIS
--------------------	--------	----------	-------------	--------------	------

Well ID:	1523410	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	5/8/1989
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	37591	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:	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\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

Bore Hole ID:	10045185	Elevation:	89.484191
DP2BR:	19.00	Elevrc:	

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10593755			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930079064			
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			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991523410			
Pump Set At:					
Static Level:		23.0			
Final Level After Pumping:		218.0			
Recommended Pump Depth:		218.0			
Pumping Rate:		3.0			
Flowing Rate:					
Recommended Pump Rate:		2.0			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934389169			
Test Type:					
Test Duration:		30			
Test Level:		135.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934650151			
Test Type:					
Test Duration:		45			
Test Level:		200.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934104940			
Test Type:					

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

17	1 of 1	NNE/85.7	89.6 / 5.11	1120 TED KELLY LANE lot 25 Ottawa ON	WWIS
Well ID:		7149729		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Domestic		Date Received: 8/10/2010	
Sec. Water Use:				Selected Flag: True	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 6006	
Casing Material:				Form Version: 7	
Audit No:		Z117697		Owner:	
Tag:		A098416		Street Name: 1120 TED KELLY LANE	
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/714\7149729.pdf			

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	1003279872	Elevation:	94.313606
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003298235			
Layer:		1			
Plug From:		6.05999994277954			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1003298263			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:		ROTARY AIR			

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1003298241			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		32.939998626708984			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298243			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		36.79999923706055			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298259			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		51.099998474121094			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298244			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		54.279998779296875			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298246			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		54.20000076293945			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298247			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		42.08000183105469			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298250			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		53.150001525878906			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298253			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		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>
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298239			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		30.040000915527344			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298256			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		51.95000076293945			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298245			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		39.119998931884766			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298252			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		52.70000076293945			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298254			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		52.25			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298242			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		54.369998931884766			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298249			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		45.15999984741211			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

<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>
Pump Test Detail ID:		1003298251			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		48.18000030517578			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298257			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		54.54999923706055			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298260			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		50.91999816894531			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298248			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		53.70000076293945			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298258			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		51.70000076293945			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298255			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		54.02000045776367			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003298261			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		50.779998779296875			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1003298236			
Layer:		1			
Kind Code:		1			

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

18	1 of 1	NNE/86.8	89.9 / 5.33	lot 24 con 1 ON	WWIS
Well ID:	1514504			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/23/1975
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:	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\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
Code OB:	r			East83:	464473.80
Code OB Desc:	Bedrock			North83:	5038904.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	23-Apr-1974 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: 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

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

**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

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

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

19	1 of 1	NNE/87.2	89.7 / 5.14	lot 24 con 1 ON	WWIS
Well ID:		1512412		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 4/24/1973	
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: 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\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
<u>Bore Hole Information</u>					
Bore Hole ID:	10034403			Elevation:	96.515174
DP2BR:	7.00			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	464440.80
Code OB Desc:	Bedrock			North83:	5038973.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	03-Jul-1972 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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931020561				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	14				
Most Common Material:	HARDPAN				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	7.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931020564				
Layer:	4				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	60.0				
Formation End Depth:	212.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931020563				
Layer:	3				
Color:	3				
General Color:	BLUE				
Mat1:	26				
Most Common Material:	ROCK				
Mat2:					

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	E/99.6	94.7 / 10.16	lot D con 8 ON	WWIS

Well ID:	1512331	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	11/10/1972
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:	D
Well Depth:		Concession:	08
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/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

Bore Hole ID:	10034323	Elevation:	96.221427
DP2BR:	7.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464830.80
Code OB Desc:	Bedrock	North83:	5038082.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	19-Sep-1972 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: 931020336
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991512331			
Pump Set At:					
Static Level:		30.0			
Final Level After Pumping:		85.0			
Recommended Pump Depth:		115.0			
Pumping Rate:		5.0			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376956			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		58.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097984			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		40.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895857			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		85.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647283			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		85.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933467734			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		123.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 2	N/100.6	84.8 / 0.30	lot 25 ON	WWIS
Well ID: 1520011 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: 10/21/1985 Selected Flag: True Abandonment Rec: Contractor: 2351 Form Version: 1 Owner: Street Name: County: OTTAWA Municipality: CUMBERLAND TOWNSHIP Site Info: Lot: 025 Concession: Concession Name: OF Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520011.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 1985/09/25 Year Completed: 1985 Depth (m): 76.2 Latitude: 45.5033410029996 Longitude: -75.4587046371005 Path: 152\1520011.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 10041861 DP2BR: 245.00 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 25-Sep-1985 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevation: 84.536674 Elevrc: Zone: 18 East83: 464165.00 North83: 5038970.00 Org CS: UTM83 UTMRC: 7 UTMRC Desc: margin of error : 1 km - 3 km Location Method: lot			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 931043458 Layer: 3 Color: 8 General Color: BLACK Mat1: 17					

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:	1				
Open Hole or Material:		STEEL			
Depth From:					
Depth To:	44				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991520011				
Pump Set At:					
Static Level:	75.0				
Final Level After Pumping:	175.0				
Recommended Pump Depth:	225.0				
Pumping Rate:	17.0				
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				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934654448				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	175.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934904396				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	175.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934110293				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	140.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934376258				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	155.0				
Test Level UOM:	ft				
<u>Water Details</u>					

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			

21	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

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

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

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

[22](#) 1 of 1 **NNE/110.2** **88.8 / 4.30** **lot 25 con 1
ON** **WWIS**

Well ID:	1519190	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	9/14/1984
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\1519190.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10041060	Elevation:	87.883239
DP2BR:	15.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464329.80
Code OB Desc:	Bedrock	North83:	5039022.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	19-Jul-1984 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

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

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

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

23	1 of 1	NNE/114.0	88.5 / 3.95	lot 25 con 1 ON	WWIS
--------------------	--------	-----------	-------------	--------------------	------

Well ID:	1513951	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	3/18/1974
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\1513951.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

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

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

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

[24](#)

1 of 2

WNW/124.9

73.5 / -11.03

lot 27
ON

WWIS

Well ID:	1526501	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Commerical	Date Received:	9/9/1992
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1504
Casing Material:		Form Version:	1
Audit No:	110670	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP

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

PDF URL (Map): 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

Bore Hole ID:	10048203	Elevation:	72.888916
DP2BR:	12.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	463532.00
Code OB Desc:	Bedrock	North83:	5038386.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	7
Date Completed:	01-Sep-1992 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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID:		991526501			
Pump Set At:					
Static Level:		79.0			
Final Level After Pumping:		203.0			
Recommended Pump Depth:		189.0			
Pumping Rate:		25.0			
Flowing Rate:					
Recommended Pump Rate:		25.0			
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934909227			
Test Type:					
Test Duration:		60			
Test Level:		79.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934107879			
Test Type:					
Test Duration:		15			
Test Level:		79.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934652030			
Test Type:					
Test Duration:		45			
Test Level:		79.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934391512			
Test Type:					
Test Duration:		30			
Test Level:		79.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933485842			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		176.0			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		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			

24	2 of 2	WNW/124.9	73.5 / -11.03	lot 27 ON	WWIS
Well ID:	1528921			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Commerical			Date Received:	5/22/1996
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:	158973			Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	027
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\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

Bore Hole ID:	10050457	Elevation:	72.888916
DP2BR:	12.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	y	East83:	463532.00
Code OB Desc:	Unknown type (bedrock encountered)	North83:	5038386.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	7
Date Completed:	07-Sep-1995 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

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

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

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

<u>25</u>	1 of 1	WSW/126.0	86.0 / 1.45	1154-1208 Old Montreal Rd Ottawa ON	EHS
Order No:	20160711137			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	18-JUL-16			Search Radius (km):	.25
Date Received:	11-JUL-16			X:	-75.46618
Previous Site Name:				Y:	45.494271
Lot/Building Size:					
Additional Info Ordered:					

<u>26</u>	1 of 1	W/128.2	84.6 / 0.06	lot 27 con 1 ON	WWIS
Well ID:	1512408			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/24/1973

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:	027
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\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

Bore Hole ID:	10034399	Elevation:	80.668151
DP2BR:	70.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	463540.80
Code OB Desc:	Bedrock	North83:	5038032.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	18-Jul-1972 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: 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

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 931020546
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931020544
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: 20.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931020547
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961512408
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

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

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

27	1 of 1	NNE/129.4	88.0 / 3.47	lot 24 con 1 ON	WWIS
Well ID:		1513109		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 4/3/1952	
Sec. Water Use:		0		Selected Flag: True	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 3725	
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: 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\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
----------------	--------------------------	--------------------------------	----------------------	-------------	-----------

Bore Hole Information

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

Overburden and Bedrock

Materials Interval

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

Overburden and Bedrock

Materials Interval

Formation ID:	931022441
Layer:	1
Color:	
General Color:	
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:	961513109
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10583667			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Water Details</u>					
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
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	DEC-1960			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.49439
Total Depth m:	-999			Longitude DD:	-75.451006
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	464761
Drill Method:				Northing:	5037972
Orig Ground Elev m:	94.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	94.9				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

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

Source

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

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	1 of 1	W/134.6	73.6 / -10.95	ON	BORE
Borehole ID:	616403			Inclin FLG:	No
OGF ID:	215517191			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	SEP-1959			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.495855
Total Depth m:	44.8			Longitude DD:	-75.467401
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	463481
Drill Method:				Northing:	5038142
Orig Ground Elev m:	74.7			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	71.4				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218403844			Mat Consistency:	
Top Depth:	13.1			Material Moisture:	
Bottom Depth:	14			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND.				
Geology Stratum ID:	218403846			Mat Consistency:	
Top Depth:	14.6			Material Moisture:	
Bottom Depth:	44.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. 00147IED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY = 19000. K. DA **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218403843			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	13.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				
Geology Stratum ID:	218403845			Mat Consistency:	
Top Depth:	14			Material Moisture:	
Bottom Depth:	14.6			Material Texture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material Color:				Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		GRAVEL.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Ident:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 08911 NTS_Sheet:				
Confiden 1:					
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
30	1 of 1	W/134.7	73.6 / -10.95	lot 27 con 1 ON	WWIS
Well ID:	1513130			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/19/1960
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:	027
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\1513130.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	1959/09/15				
Year Completed:	1959				
Depth (m):	44.8056				
Latitude:	45.495852806392				
Longitude:	-75.4674007564499				
Path:	151\1513130.pdf				

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

Bore Hole Information

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

Overburden and Bedrock

Materials Interval

Formation ID:	931022490
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
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:	931022489
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	43.0
Formation End Depth:	46.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931022491
Layer:	4
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
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				
<u>Water Details</u>					
Water ID:	933468631				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	147.0				
Water Found Depth UOM:	ft				

31	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
Material 3: Material 4: Gsc Material Description: Stratum Description:		CLAY. GREY.		Geologic Period: Depositional Gen:	
Geology Stratum ID: 218403890 Top Depth: 2.4 Bottom Depth: 3.7 Material Color: Black Material 1: Muck Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:		MUCK. BLACK.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	muck
Geology Stratum ID: 218403891 Top Depth: 3.7 Bottom Depth: 21.3 Material Color: Blue Material 1: Clay Material 2: Boulders 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: 218403892 Top Depth: 21.3 Bottom Depth: 25.9 Material Color: Dark Material 1: Limestone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:		LIMESTONE. GREY. 00085= 6600. BEDROCK. SEISMIC VELOCITY = 19000. K. DARK,GREY,SOUND. 0		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
**Note: Many records provided by the department have a truncated [Stratum Description] field.					
Source					
Source Type: Data Survey Source Orig: Geological Survey of Canada Source Date: 1956-1972 Confidence: Observatio: Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA2.txt RecordID: 08932 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			

32

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
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	2/23/1971
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\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

Bore Hole ID:	10035116	Elevation:	84.937629
DP2BR:	70.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464230.80
Code OB Desc:	Bedrock	North83:	5039023.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	04-May-1970 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: 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

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

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

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

33	1 of 1	WNW/145.7	72.6 / -11.93	lot 27 con 1 ON	WWIS
Well ID:	1532616			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/31/2002
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1517
Casing Material:				Form Version:	1
Audit No:	235687			Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	027
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/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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		153\1532616.pdf			

Bore Hole Information

Bore Hole ID:	10523745	Elevation:	72.263320
DP2BR:	0.00	Elevrc:	
Spatial Status:	Improved	Zone:	18
Code OB:	r	East83:	463519.00
Code OB Desc:	Bedrock	North83:	5038404.00
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	27-Aug-2001 00:00:00	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		
Improvement Location Method:	GIS10000		
Source Revision Comment:	Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features). well only moved to given lot and con		
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.		

Overburden and Bedrock

Materials Interval

Formation ID:	932857286
Layer:	1
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	932857287
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65.0
Formation End Depth:	126.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961532616
Method Construction Code:	1
Method Construction:	Cable Tool

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		25.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934400465			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		28.0			
Test Level UOM:		ft			
<u>Water Details</u>					
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
Well ID:	1527663				
Construction Date:				Data Entry Status:	
Primary Water Use:	Domestic			Data Src:	1
Sec. Water Use:				Date Received:	2/1/1994
Final Well Status:	Water Supply			Selected Flag:	True
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1414
Audit No:	139136			Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA
Elevation Reliability:				Municipality:	CUMBERLAND TOWNSHIP
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	025
Overburden/Bedrock:				Concession:	08
Pump Rate:				Concession Name:	CON
Static Water Level:				Easting NAD83:	
Flowing (Y/N):				Northing NAD83:	
Flow Rate:				Zone:	
Clear/Cloudy:				UTM Reliability:	

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1527663.pdf

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

Bore Hole ID:	10049290	Elevation:	89.593101
DP2BR:	12.00	Elelvc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464723.80
Code OB Desc:	Bedrock	North83:	5038494.00

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

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

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

35	1 of 1	E/159.0	94.6 / 10.10	ON	BORE
Borehole ID:		616402		Inclin FLG:	No
OGF ID:		215517190		SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:		Borehole		Piezometer:	No
Use:				Primary Name:	
Completion Date:		JAN-1966		Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.495747
Total Depth m:		-999		Longitude DD:	-75.449353
Depth Ref:		Ground Surface		UTM Zone:	18
Depth Elev:				Easting:	464891
Drill Method:				Northing:	5038122
Orig Ground Elev m:		97.5		Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:		96.3			
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratam

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4: Gsc Material Description: Stratum Description:				Depositional Gen:	
		BOULDERS.			
Geology Stratum ID:	218403842			Mat Consistency:	
Top Depth:	1.8			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description: Stratum Description:		BEDROCK. GREY. 900. UNSPECIFIED. SEISMIC VELOCITY = 6600. BEDROCK. SEISMIC VELOCITY = 1900			
		**Note: Many records provided by the department have a truncated [Stratum Description] field.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	M			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 089100 NTS_Sheet: 31G06E				
Confiden 1:	Reliable information but incomplete.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
36	1 of 1	NE/160.4	89.7 / 5.19	lot 24 con 1 ON	WWIS
Well ID:	1513110			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/15/1953
Sec. Water Use:	0			Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1526
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:	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\1513110.pdf				

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

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

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

[37](#) 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		

[38](#) 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

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

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

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

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

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

<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>
Pump Test Detail ID:		11124744			
Test Type:		Recovery			
Test Duration:		0			
Test Level:		59.29999923706055			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11124815			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		54.900001525878906			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11124810			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		59.29999923706055			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11124811			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		58.400001525878906			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11124822			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		39.0			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934046436			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		37.5			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		934046437			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		85.30000305175781			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		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
Well ID:	1513927			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	3/18/1974
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:	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\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

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

Overburden and Bedrock

Materials Interval

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931024813			
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:		6.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961513927			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10584479			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930063465			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		22			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991513927			
Pump Set At:					
Static Level:		80.0			
Final Level After Pumping:		130.0			
Recommended Pump Depth:		200.0			
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:		2			
Pumping Duration HR:		1			

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

40 1 of 1 **NNE/187.8** **87.0 / 2.48** **ON** **BORE**

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

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

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

41	1 of 1	NNE/188.5	87.0 / 2.48	lot 24 con 1 ON	WWIS
--------------------	--------	-----------	-------------	--------------------	------

Well ID:	1513118	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	2/5/1969
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:	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\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

Bore Hole ID:	10035106	Elevation:	84.465843
DP2BR:	4.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464330.80
Code OB Desc:	Bedrock	North83:	5039103.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	22-Dec-1968 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: 931022460
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY

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

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

[42](#) 1 of 1 **NE/191.9** **89.7 / 5.18** **lot 24 con 1 ON** **WWIS**

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

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

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:

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

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

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

Borehole Geology Stratum

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

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

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

[44](#) 1 of 1 **NNE/192.3** **87.9 / 3.37** **ON** **BORE**

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

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10583675			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Water Details</u>					
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 CUMBERLAND ON K4C 1C2	HINC
--------------------	--------	----------	-------------	---	------

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

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

Well ID:	1519783	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/25/1985
Sec. Water Use:		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:	D
Well Depth:		Concession:	08
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/151\1519783.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:	Bedrock			North83:	5037623.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	29-May-1985 00:00:00			UTMRC Desc:	unknown UTM
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

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>
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		961519783			
<i>Method Construction Code:</i>		4			
<i>Method Construction:</i>		Rotary (Air)			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10590206			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<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			
<u>Construction Record - Casing</u>					
<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			
<u>Results of Well Yield Testing</u>					
<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			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934654939			

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

48	1 of 1	NE/223.8	89.4 / 4.82	lot 2 ON	WWIS
Well ID:		1532723		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 4/16/2002	
Sec. Water Use:				Selected Flag: True	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 1119	
Casing Material:				Form Version: 1	
Audit No:		237760		Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: CUMBERLAND TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 002	
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:					

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

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

Overburden and Bedrock

Materials Interval

Formation ID: 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

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

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

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

Pipe Information

Pipe ID: 11109418
 Casing No: 1
 Comment:
 Alt Name:

[50](#) 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

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**

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

51	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
--------------------	--------	---------	---------------	---	-----

Order No: 20180813026 Status: C Report Type: Custom Report Report Date: 23-AUG-18 Date Received: 13-AUG-18 Previous Site Name: Lot/Building Size: Additional Info Ordered:	Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.468974 Y: 45.496013
---	---

52	1 of 1	ENE/239.9	88.9 / 4.39	lot 1 con 1 ON	WWIS
--------------------	--------	-----------	-------------	-------------------	------

Well ID: 1532633 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 237303 Tag:	Data Entry Status: Data Src: 1 Date Received: 1/10/2002 Selected Flag: True Abandonment Rec: Contractor: 6006 Form Version: 1 Owner: Street Name:
---	--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	001
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/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

Bore Hole ID:	10523762	Elevation:	88.968872
DP2BR:	5.00	Elevrc:	
Spatial Status:	Improved	Zone:	18
Code OB:	r	East83:	464763.00
Code OB Desc:	Bedrock	North83:	5038628.00
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	15-Dec-2001 00:00:00	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		
Improvement Location Method:	GIS10000		
Source Revision Comment:	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		
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.		

**Overburden and Bedrock
Materials Interval**

Formation ID: 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**

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

<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>
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991532633			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		190.0			
Recommended Pump Depth:		190.0			
Pumping Rate:		3.0			
Flowing Rate:					
Recommended Pump Rate:		2.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934400478			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		100.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934918859			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		40.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934117423			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		150.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934661558			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934016280			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		150.0			
Water Found 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>
53	1 of 1	W/245.2	67.3 / -17.27	1123 Old Montreal Rd Ottawa ON K4A3N6	EHS
Order No:		20180323180		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		02-APR-18		Search Radius (km): .25	
Date Received:		23-MAR-18		X: -75.469172	
Previous Site Name:				Y: 45.496312	
Lot/Building Size:					
Additional Info Ordered:					

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

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:

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:

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	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	10/19/2011	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Container Leak (Fuel Tank Barrels)	Sector Type:	Tank Truck
Incident Event:		Agency Involved:	
Contaminant Code:	13	Nearest Watercourse:	
Contaminant Name:	FURNACE OIL	Site Address:	just west of Wilhaven Dr.
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	10/19/2011	Site Map Datum:	
Dt Document Closed:	11/19/2011	SAC Action Class:	Land Spills
Incident Reason:	Other - Reason not otherwise defined	Source Type:	
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		

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	Discharger Report:	
Site No:	0706-92ET4A	Material Group:	
Incident Dt:	6/12/2015	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Leak/Break	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:	15	Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL	Site Address:	Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	NA
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	Ottawa
Nature of Impact:	Land	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	5030149
MOE Response:	N	Easting:	446343
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	GIS Software
MOE Reported Dt:	6/12/2015	Site Map Datum:	NAD83
Dt Document Closed:		SAC Action Class:	Land Spills
Incident Reason:	Equipment Failure	Source Type:	
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		

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: 18
Zone:
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: 18
Zone:
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
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 224530
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: 11/17/2000
Selected Flag: True
Abandonment Rec:
Contractor: 1414
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: 10053099
DP2BR: 27.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 03-Nov-2000 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: 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

Well ID: 1532811
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 235694
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: 5/6/2002
Selected Flag: True
Abandonment Rec:
Contractor: 1517
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: 10523939
DP2BR: 11.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock

Elevation:
Elevrc:
Zone: 18
East83:
North83:

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:
Zone: 18
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](#)

Well ID:	1523046	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/13/1988
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	37566	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	027
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:	10044852	Elevation:	
DP2BR:	11.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	01-Nov-1988 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: 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: 9
UTMRC: unknown UTM
UTMRC Desc:
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
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 139536
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: 9/19/1995
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: 10050257
DP2BR: 17.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 30-Jan-1995 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: 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:
Zone: 18
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

Well ID:	1526147	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	5/28/1992
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	095195	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:	10047880	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:	31-Mar-1992 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: 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	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/22/1991
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	69539	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:	10047222	Elevation:	
DP2BR:	5.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	h	East83:	
Code OB Desc:	Mixed in a Layer	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	09-May-1991 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: 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.

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