REVISED

Phase One Environmental Site Assessment

5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road
Ottawa, Ontario

Prepared for:

Touchstone Contracting & Engineering Ltd.
PO Box 115
Ottawa, ON K4M 1A2

Attn: Mr. David Kurosky

February 28, 2019

Pinchin File: 233280.001

MEMBER OF THE PINCHIN GROUP

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Issued On:	**February 28, 2019**
Pinchin File:	**233280.001**
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1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Touchstone Contracting & Engineering Ltd. (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is approximately 10.7 acres in size and consists of vacant undeveloped land.

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 312/17 on July 28, 2017 (O. Reg. 153/04). The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the purpose of filing a Site Plan Approval application with the City of Ottawa.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 in support of filing a Site Plan Approval application with the City of Ottawa, and was comprised of the following:

- A Records Review: Reviewed available current and historical information sources pertaining to the Phase One Property and Phase One Study Area including the use of, but not limited to, aerial photographs, city directories and historical environmental assessments relevant to the Phase One Property. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exists, including searches of the Ministry of the Environment, Conservation and Parks' (MECP's) Freedom of Information and water well records;
- Interviews: Conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- Site Reconnaissance: Completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs);
- Evaluation: Evaluated the information gathered from the records review, interviews and Site reconnaissance;

- Reporting: Prepared a Phase One ESA report; and
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property consists of four legal lots, situated at the municipal addresses of 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario, which is currently owned by the Client. The Phase One Property is located on the southwest corner of the intersection between Boundary Road and Mitch Owens Road.

The following table provides a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, city directories, etc.
Prior to 1985	Unknown.	Assumed vacant/ agricultural/ forested land.	N/A.	The Site appeared to consist of vacant undeveloped land on the 1955, 1965, 1976 and 1985 aerial photographs reviewed by Pinchin.
1991-present.	Unknown.	Vacant, storage	Vacant, storage	Portions of the Phase One Property appeared to have been cleared on the aerial photographs from 1991-2017, and fill piles were evident on-Site during these years as well. In addition, an access road was evident on the central and southeast portions of the Phase One Property during these years. Lastly, the Site Representative indicated that no buildings or permanent structures have historically been present on the Phase One Property.

To the best of Pinchin's knowledge, no building or structure has been constructed on the Phase One Property to date.

The review of information obtained from historical records, interviews and a Site reconnaissance completed by Pinchin for the Phase One ESA did not identify any PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) that are considered to result in areas of potential environmental concern (APECs) to the Phase One Property. Two on-Site PCAs and one off-Site PCA were identified, and are discussed below:

- Item 30 – Importation of Fill Material of Unknown Quality (various stockpiles of fill material observed on the northwest and southeast portions of the Phase One Property during Pinchin's Site reconnaissance, as well as on the northwest portion of the Phase One Property in the 2011, 2014 and 2017 aerial photographs). During Pinchin's Site reconnaissance, the fill piles were inferred to primarily consist of soil, wood, brick and gravel and are inferred to be non-deleterious in nature; however, the quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property;
- Item 30 – Importation of Fill Material of Unknown Quality (fill piles observed on the northeast portion of the Phase One Property in the 1991 aerial photograph). The quality of these former fill piles is unknown; however, based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that the fill piles formerly located on the northeast portion of the Phase One Property are unlikely to result in potential subsurface impacts at the Phase One Property; and
- Item 49 – Salvage Yard, including automobile wrecking (wrecking yard located northeast of the Phase One Property from 1955 until 1976). The wrecking yard was located at least 35 m northeast of the Phase One Property and this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the former wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to groundwater (i.e., greater than 6.4 m below ground surface (mbgs)), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

Based on these findings, nothing was identified that would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Phase One Property is suitable for filing a Site Plan Approval application with the City of Ottawa based only on the completion of this Phase One ESA report. However, if the Client intends to potentially utilize the existing on-Site fill piles during development activities at the Phase One Property, Pinchin recommends that the fill piles be sampled to confirm their inferred non-deleterious nature.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

This report has been issued without having received a response from the MECP regarding Pinchin's Freedom of Information request. Once a response from this regulatory body is received, the information will be incorporated into a revised version of this report. Our conclusions and recommendations may be amended based on this information.

2.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is, or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 312/17 on July 28, 2017 (O. Reg. 153/04), the purpose of a Phase One ESA is two-fold:

- To obtain and review records that relate to the Phase One Property, and to the current and past uses of and activities at or affecting the Phase One Property, in order to determine if an area of potential environmental concern (APEC) exists and to interpret any APEC; and
- To obtain and review records that relate to properties in the Phase One Study Area, other than the Phase One Property, in order to determine if a potentially contaminating activity (PCA) exists and interpret whether any such PCA represents on APEC for the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the purpose of filing a Site Plan Approval application with the City of Ottawa.

2.1 Phase One Property Information

The Phase One Property consists of four legal lots situated at civic addresses 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario, which is currently owned by the Client. The Phase One Property is located on the southwest corner of the intersection of Boundary Road and Mitch Owens Road, as shown on Figure 1 (all Figures are provided in Appendix A and all appendices are provided in Section 10.0). A plan showing the Phase One Study Area is provided as Figure 2, and the PCAs identified within the Phase One Study Area are labelled on Figure 3. Photographs of the Phase One Property and surrounding properties are presented in Appendix B. A current legal survey of the Phase One Property is included in Appendix C.

Pertinent details of the Phase One Property are provided in the following table:

Detail	Source / Reference	Information
Legal Description	http://maps.ottawa.ca/geoottawa/ City of Ottawa	CON 11 PT LOT 1 RP 5R-13558; PT 2 LESS RP4R-8132 PARTS 1 TO 4, Ottawa
Municipal Addresses	http://maps.ottawa.ca/geoottawa/ City of Ottawa, Client	5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, ON K1G 3N4
Parcel Identification Numbers (PINs)	http://maps.ottawa.ca/geoottawa/ City of Ottawa	043230074, 043230075, 043230076 and 043230077
Current Owner	Client	6613926 Canada Inc.
Current Occupant	None	Vacant undeveloped/forested land
Client	Authorization to Proceed, Limitation of Liability & Terms of Engagement Form for Pinchin Proposal	Touchstone Contracting & Engineering Ltd.
Client Contact Information	Authorization to Proceed, Limitation of Liability & Terms of Engagement Form for Pinchin Proposal	David Kurosky c/o Touchstone Contracting & Engineering Ltd. PO Box 115 Ottawa, ON K4M 1A2 Phone: 613-860-7990 touchstonecontracting@yahoo.ca
Site Area	http://maps.ottawa.ca/geoottawa/ City of Ottawa, Client	4.3 hectares (10.7 acres).
Current Zoning	http://maps.ottawa.ca/geoottawa/ City of Ottawa	RG – Rural General Industrial Zone

3.0 SCOPE OF INVESTIGATION

Pinchin conducted this Phase One ESA in accordance with O. Reg. 153/04, in particular Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work was comprised of the following:

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, historical environmental assessments relevant to the Phase One Property, available Site operating records, a regulatory data base search and Ministry of the Environment, Conservation and Parks (MECP) water well records. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist, including the MECP's Freedom of Information and Protection of Privacy Office;
- Interviews: Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- Site Reconnaissance: Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern;
- Evaluation: Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Pinchin prepared a Phase One ESA report summarizing the findings of the Phase One ESA; and
- Submission: Pinchin submitted the Phase One ESA report to the Client.

4.0 RECORDS REVIEW

4.1 General

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from December 2018 to February 2019, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on December 10, 2019, by a Pinchin representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Pinchin accessed all areas of the Phase One Property; however, it

should be noted that portions of the Phase One Property were not accessible due to deep snow cover. Pinchin did not access any areas within the surrounding Phase One Study Area with the exception of publicly-accessible roads and sidewalks. Select photographs taken during the Site reconnaissance of the Phase One Property and the surrounding properties within the Phase One Study Area are presented in Appendix B.

4.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 metres (m), but less than 1 kilometre (km), from the Phase One Property boundary, Pinchin did not note or observe any significant potentially contaminating properties that should be included as part of this assessment (e.g., landfills, large industrial manufacturers, etc.). As such, the Phase One Study Area consisted of the Phase One Property, as well as all properties situated wholly, or partly, within 250 m from the nearest point of a boundary of the Phase One Property, in order to meet the minimum requirements set forth in O. Reg. 153/04. A map of the Phase One Study Area and the surrounding land use is presented in Figure 3.

4.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be:

a. The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
b. The first potentially contaminating use or activity on the Phase One Property.

To the best of Pinchin's knowledge, no building or structure has been constructed on the Phase One Property to date.

The date of the first developed use of the Phase One Property was determined through a review of aerial photographs and previous reports, as well as correspondence with the Site Representative. No other information was reviewed by Pinchin during the records review, or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first developed use of the Phase One Property.

4.1.3 Fire Insurance Plans

Pinchin previously contacted Risk Management Services (RMS) to obtain Fire Insurance Plans (FIPs) related to the Phase One Property and the Phase One Study Area. A response was received from RMS, dated March 16, 2012, which indicated that no FIPs for the Phase One Property and Phase One Study Area were available. The RMS response is provided in Appendix D.

4.1.4 Environmental Reports

The following previous environmental reports for the Phase One Property were reviewed by Pinchin:

- Report entitled *"Phase I Environmental Site Assessment, Property at South West Corner of County Roads 8 and 41, Ontario"* prepared by St. Lawrence Testing & Inspection Co. Ltd. (SLT) for O'Leary Ltd., and dated April 11, 2011 (the 2011 SLT Phase I ESA Report); and
- Report entitled *"Phase I Environmental Site Assessment, 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario"* prepared by Pinchin for O'Leary's Ltd., and dated April 2012 (the 2012 Pinchin Phase I ESA Report).

A summary of the salient information identified in the reports is provided below.

<u>2011 SLT Phase I ESA Report</u>

The Phase I ESA completed by SLT in April 2011 presented the findings of a Phase I ESA completed in general accordance with the CSA document entitled *"Phase I Environmental Site Assessment"* (CSA Document Z768-01), dated November 2001, including a review of readily available historical records and reasonably ascertainable regulatory information, a Site reconnaissance, interviews, an evaluation of information and reporting.

The results of the 2011 SLT Phase I ESA Report indicated that there were no significant potential environmental concerns associated with the current and historical use of the Site and adjacent properties and as such, no further environmental assessment work was recommended. In addition, it should be noted that the 2011 SLT Phase I ESA Report discussed previous soil sampling activities completed on the northeast portion of the Phase One Property in order to assess for the presence or absence of subsurface contamination from the former on-Site fill piles and potential impacts that may have migrated on-Site from the former wrecking yard located northeast of the Phase One Property. The soil samples were reportedly non-detect for petroleum hydrocarbon and benzene, toluene, ethylbenzene and xylenes parameters. Furthermore, SLT noted that the subsurface soil type was mostly clay and as such, is relatively impermeable. Based on the above-noted information, as well as the fact that the depth to groundwater within the Phase One Study Area is inferred to be greater than 6.4 m below ground surface (mbgs). Based on a review of well records for the Phase One Study Area, it is Pinchin's opinion that this former wrecking yard located northeast of the Phase One Property is unlikely to result in potential subsurface impacts at the Phase One Property.

2012 Pinchin Phase I ESA Report

The Phase I ESA completed by Pinchin in April 2012 presented the findings of a Phase I ESA completed in general accordance with the CSA document entitled "*Phase I Environmental Site Assessment*" (CSA Document Z768-01), dated November 2001, including a review of readily available historical records and reasonably ascertainable regulatory information, a Site reconnaissance, interviews, an evaluation of information and reporting. In addition, the 2012 Pinchin Phase I ESA Report reviewed the 2011 SLT Phase I ESA Report.

The results of the 2012 Pinchin Phase I ESA Report indicated that there were no significant potential environmental concerns associated with the current and historical use of the Site and adjacent properties and as such, no further environmental assessment work was recommended at that time.

4.1.4.1 Previous Environmental Report Summary

Based on Pinchin's review of the above-referenced previous environmental reports, nothing was identified that is likely to result in potential subsurface impacts at the Phase One Property.

4.2 Environmental Source Information

Pinchin reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

4.2.1 Environmental Database Search – EcoLog ERIS

Pinchin retained EcoLog Environmental Risk Information Service Ltd. (ERIS) to search all available federal, provincial and private source databases for information pertaining to the Phase One Study Area. A copy of the EcoLog ERIS report is provided in Appendix E and the results of the database search are described in the following subsections.

4.2.1.1 National Pollutant Release Inventory

EcoLog ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted.

Pinchin reviewed the EcoLog ERIS report for NPRI information and found no records regarding the Phase One Study Area.

4.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory.

EcoLog ERIS completed a search of the Ontario Inventory of PCB Storage Sites for information regarding PCB storage and found no information regarding the Phase One Study Area.

4.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries.

EcoLog ERIS completed a search of the National PCB Inventory and found no information regarding the Phase One Study Area.

4.2.1.4 Certificates of Approval

EcoLog ERIS completed a search of the MECP database for information regarding Certificates of Approval (Cs-of-A). The MECP maintains a database of approved Cs-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a C-of-A before it could operate lawfully. The MECP no longer issues Cs-of-A, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011.

The EcoLog ERIS search of the C-of-A database identified no information regarding Cs-of-A for the Phase One Study Area.

4.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use

EcoLog ERIS completed a search of the MECP database for information regarding ECAs, permits including Permits To Take Water (PTTWs) and Certificates of Property Use (CPUs). Details regarding these databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS database search identified no information regarding ECAs, PTTWs or CPUs for the Phase One Study Area.

4.2.1.6 Inventory of Coal Gasification Plants

EcoLog ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- "*Inventory of Coal Gasification Plant Waste Sites in Ontario*", dated April 1987; and
- "*Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*", dated November 1988.

The EcoLog ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Study Area.

4.2.1.7 Environmental Incidents, Orders, Offences and Spills

EcoLog ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS database search of records of environmental incidents, orders, offences or spills revealed the following for the Phase One Study Area:

- No records were found of environmental incidents, orders, offences or spills for the Phase One Property; and
- No records were found of environmental incidents, orders, offences or spills for other properties within the Phase One Study Area, with the exception of the following:
    - The Ontario Spills database indicated that on April 18, 1995, an unknown quantity of diesel fuel was spilled onto the ground surface at the intersection of Mitch Owens Road and Boundary Road, due to a fuel line leak. The spill was located adjacent to the northeast elevation of the Phase One Property and this property is situated hydraulically transgradient of the Phase One Property relative to the inferred groundwater flow direction. Based on the receiving medium (i.e., asphalt) and the inferred groundwater flow direction, it is Pinchin's opinion that this historical spill is unlikely to result in potential subsurface impacts at the Phase One Property.

4.2.1.8 Waste Management Records

Waste Generators

EcoLog ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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. The database search results provide a summary of available waste generation information for the registered sites for all years from 1986 to the present.

The EcoLog ERIS search of the O. Reg. 347 Waste Generators database found no information regarding the Phase One Property.

One other property located within the Phase One Study Area was listed within the database search results as waste generators:

- 5575 Boundary Road (2002-2008) – Aliphatic solvents, waste oils and lubricants, petroleum distillates, light fuels, and oil skimmings and sludges. However, this property is located approximately 20 m northeast of the Phase One Property and is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Wrecking yard operations were formerly present at this property; however, the wrecking yard operations were located at least 35 m northeast of the Phase One Property. In addition, based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), as well as information collected from well records within the Phase One Study Area, the soil type in the area is mostly clay with some silt (and as such, is relatively impermeable) and the depth to groundwater within the Phase One Study Area is inferred to be greater than 6.4 mbgs. Based on a the above-noted information, it is Pinchin's opinion that this former wrecking yard located northeast of the Phase One Property is unlikely to result in potential subsurface impacts at the Phase One Property.

Waste Receivers

EcoLog ERIS completed a search of the O. Reg. 347 Waste Receivers database for information regarding waste receivers. O. Reg. 347 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 contains 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.

The EcoLog ERIS search of the O. Reg. 347 Waste Receivers database found no information regarding the Phase One Study Area.

4.2.1.9 Fuel Storage Tanks

EcoLog ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS search of the chemical or fuel storage tank databases found no information regarding the Phase One Study Area.

4.2.1.10 Notices and Instruments

EcoLog ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. EcoLog ERIS also searched the Record of Site Condition (RSC) database for filed RSCs.

The EcoLog ERIS search of the Environmental Registry and RSC database found no information regarding the Phase One Study Area.

4.2.1.11 Areas of Natural Significance

EcoLog ERIS reviewed available databases and records to assess whether any parks, wetlands, conservation areas, or other areas of natural significance, are located within the Phase One Study Area. The Area of Natural & Scientific Interest map included in the EcoLog ERIS report in Appendix E did not identify any areas of natural significance within the Phase One Study Area.

4.2.1.12 Landfill Information

EcoLog ERIS reviewed available private and provincial databases for records of any current or inactive landfills and waste disposal sites within the Phase One Study Area. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS search of the landfill and waste disposal sites databases found no information regarding the Phase One Study Area.

4.2.1.13 Other EcoLog ERIS Databases

The EcoLog ERIS database search of the Anderson's Waste Disposal Sites database and Automobile Wrecking & Supplies database identified the following additional information for the Phase One Study Area:

- The property located at 5575 Boundary Road was previously occupied as an automobile wrecking and recycling facility from approximately 1954 until 1976. Based on Pinchin's review of aerial photographs for the Phase One Study Area, the wrecking yard was located at least 35 m northeast of the Phase One Property. In addition, this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to groundwater (i.e., greater than 6.4 mbgs), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

4.2.2 Ministry of the Environment, Conservation and Parks Freedom of Information Search

The MECP Freedom of Information and Protection of Privacy Office in Toronto, Ontario was contacted to determine if records exist for environmental matters such as orders, spills, previous investigations, prosecutions, registered PCB waste storage sites, waste generators, waste receivers, Cs-of-A and ECAs associated with the Phase One Property.

The search was requested on December 11, 2018. At the time of writing this report, no response had been received from the MECP. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. A copy of Pinchin's request submitted to the MECP is provided in Appendix F of this report.

4.2.3 Local and Municipal Government

Pinchin reviewed the "Mapping and Assessment of Former Industrial Sites" report that was prepared by Intera for the City of Ottawa. The Intera report consists of a study that lists former industrial sites that may have potentially impacted the soil and/or groundwater at their respective locations. The sites identified within the study are categorized as Group I, Group II or Group III. Low priority sites are identified as Group III as it is unlikely that significant waste quantities remain present at these properties today and, therefore, the potential for environmental impact is low. Medium priority sites are identified as Group II as they are presently likely to have waste quantities remaining; however, the sites' location with respect to

surface waste is such that significant environmental impacts are not likely to occur. High priority sites are identified as Group I as there is documentation demonstrating that wastes are present at these sites, and that the potential for environmental impact is high.

The 1988 Intera report was consulted and the Site and surrounding properties were not included as part of the study area.

4.2.4 Property Underwriters' Reports and Plans

Property Underwriters' Reports (PURs) provide detailed information on a site-specific basis, including descriptions of building construction, heating sources, production processes, and the presence of any hazardous chemicals or materials which may have been historically stored on the Phase One Property. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers and storage tanks. Information provided on Property Underwriters' Plans (PUPs) includes the location, capacity, and contents of aboveground storage tanks (ASTs), underground storage tanks (USTs), chemical storage and other forms of environmental hazards.

Pinchin previously contacted RMS to obtain copies of PURs and PUPs related to the Phase One Property. A response was received from RMS, dated March 16, 2012, which indicated that no PURs or PUPs for the Phase One Property were available. The Opta response is provided in Appendix D.

4.2.5 City Directories

City directories for the years 2000 to 2011 were reviewed by Pinchin at the Library and Archives of Canada in Ottawa, Ontario. It should be noted that these were the only city directories available for the Site and surrounding area. In addition, it should also be note that the Phase One Property was not listed within any of the above-noted city directories reviewed by Pinchin. As such, no PCAs were identified at the Phase One Property.

In general, the city directories indicated that the properties in the Phase One Study Area outside of the Phase One Property have been historically occupied by residential and commercial land uses since at least 2000. Based on Pinchin's review of the above-noted city directories, no PCAs, including historical dry cleaning operations, retail fuel outlets or other operations of potential environmental concern, were identified in the Phase One Study Area outside of the Phase One Property.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1955 and 1985 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. In addition, digital aerial photographs dated 1965, 1976, 1991, 2002, 2008, 2011, 2014 and 2017 were reviewed on the City of Ottawa e-map website (http://maps.ottawa.ca/geoOttawa/) by Pinchin. The 1955 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Efforts were made by Pinchin to obtain aerial photographs that:

- Illustrated the period between initial development of the Phase One Property to the present;
- Identified buildings and structures present on the Phase One Property since initial development;
- Identified PCAs within the Phase One Study Area; and
- Identified APECs on the Phase One Property.

It should be noted that accurate details could not be determined from the some of the aerial photographs due to the large reference scale and the low resolution of the photographs.

A summary of information obtained with respect to the Phase One Property from a review of the available aerial photography is provided in the following table:

Year of Photograph	Phase One Property
1955, 1965, 1976 and 1985.	The Phase One Property appeared to consist of vacant undeveloped land.
1991.	Similar to 1955, 1965, 1976 and 1985; however, fill piles were observed on the northeast portion of the Phase One Property.
2002 and 2008.	Similar to 1991; however, the fill piles were no longer evident and an access road was evident on the southeast and central portions of the Phase One Property.
2011, 2014 and 2017.	Similar to 2002 and 2008; however, fill piles were evident on the northwest portion of the Phase One Property.

Fill piles were evident on the northeast portion of the Phase One Property in the 1991 aerial photograph, and fill piles were evident on the northwest portion of the Phase One Property in the 2011, 2014 and 2017 aerial photographs. Based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that the fill piles formerly located on the

northeast portion of the Phase One Property are unlikely to result in potential subsurface impacts at the Phase One Property. However, the quality of the remaining fill piles is unknown, as such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities.

A summary of information obtained with respect to the surrounding properties within the Phase One Study Area is provided in the following table:

Year of Photograph	North	East	South	West
1955, 1965 and 1976.	Present-day Mitch Owens Road followed by vacant undeveloped/ agricultural land to beyond 250 m from the Phase One Property, similar to the current configuration.	Present-day Boundary Road followed by vacant undeveloped land and a wrecking yard to beyond 250 m from the Phase One Property.	Vacant undeveloped/agricultural land to beyond 250 m from the Phase One Property, similar to the current configuration.	
1985, 1991, 2002 and 2008.	Similar to 1955, 1965 and 1976.	Present-day Boundary Road followed by a commercial building and exterior parking and storage areas and vacant undeveloped land.	Similar to 1955, 1965 and 1976.	
2011, 2014 and 2017.	Similar to 1955, 1965, 1976, 1985, 1991, 2002 and 2008.	Similar to 1985, 1991, 2002 and 2008; however, the previously-occupied property appeared to be vacant, similar to the current configuration.	Similar to 1955, 1965, 1976, 1985, 1991, 2002 and 2008.	

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property has always consisted of vacant undeveloped land.

The aerial photograph review did not identify any PCAs within the Phase One Study Area or APECs on the Phase One Property.

The aerial photograph review identified the following PCA within the Phase One Study Area:

- Item 49 – Salvage Yard, including automobile wrecking (wrecking yard located northeast of the Phase One Property from 1955 until 1976). The wrecking yard was located at least 35 m northeast of the Phase One Property and this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to groundwater (i.e., greater than 6.4 mbgs), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

4.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 77 m above mean sea level (mamsl). The general topography in the local and surrounding area is generally flat. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions. The 2011 SLT Phase I ESA Report indicate that prior subsurface investigation on the northeast portion of the Phase One Property indicated that the soil stratigraphy was observed to consist of clay with some silt materials with slight variations in composition.

Based on general hydrogeological principles, the unconfined groundwater beneath the Phase One Property is expected to flow in a northwesterly direction. No water bodies are located within the Phase One Study Area, and the nearest surface water body is a tributary of Bear Brook located approximately 800 m northwest of the Phase One Property at an elevation of approximately 76/77 mamsl. The nearest major water body is the Ottawa River, located approximately 18.5 km north-northwest of the Phase One Property at an elevation of approximately 47 mamsl.

Copies of pertinent maps, illustrating local topographical, hydrogeological and drainage features are provided in Appendix G.

4.3.3 Fill Materials

Various stockpiles of fill material, inferred to consist of soil, wood, brick and gravel and inferred be non-deleterious in nature, were observed on the northwest and southeast portions of the Phase One Property.

The quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities.

Potential future development plans should incorporate the appropriate procedures for the characterization of soils that may require off-Site disposal. Further assessment and/or costs may be incurred through re-development of the Phase One Property and/or change in land use scenarios.

4.3.4 Water Bodies and Areas of Natural Significance

No water bodies were identified on the Phase One Property or on surrounding properties within the Phase One Study Area.

4.3.5 Well Records

A search of the Water Well Information System database by EcoLog ERIS identified no water well records for the Phase One Property and four water well records within the Phase One Study Area. A summary of pertinent information obtained with respect to the wells is provided in the following table:

MECP Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
7212029 (WWIS-1)	Approximately 55 m north-northeast of the Phase One Property	Brown sand with silt and clay (0-2.44 mbgs) Grey clay with silt (2.44-6.40 mbgs)	Not encountered (> 6.40 mbgs)	Not indicated
7212030 (WWIS-2)	Approximately 60 m north-northeast of the Phase One Property	Brown sand with silt and clay (0-2.44 mbgs) Grey clay with silt (2.44-6.40 mbgs)	Not encountered (> 6.40 mbgs)	Not indicated
7201723 (WWIS-3)	Approximately 70 m east-southeast of the Phase One Property	Brown fine sand with clay (0-1.50 mbgs)	Not encountered (> 1.50 mbgs)	Not indicated
7201708 (WWIS-4)	Approximately 60 m north-northeast of the Phase One Property	Brown fine sand with clay (0-1.50 mbgs) Grey clay (1.50-6.40 mbgs)	Not encountered (> 6.40 mbgs)	Not indicated

The EcoLog ERIS report search results indicated that the well identified within the Phase One Study Area was installed for domestic water supply. The margin of error associated with the UTM coordinates was not specified.

The Water Well Information System database search results are provided in the EcoLog ERIS report in Appendix E.

4.4 Site Operating Records

There are no current land uses or records of historical land use that would classify the Phase One Property as an enhanced investigation property (see Section 6.3). As such, Site operating records were not reviewed as part of the Phase One ESA.

5.0 INTERVIEWS

Pinchin interviewed individuals knowledgeable of the Phase One Property and its history to obtain or confirm information regarding the environmental condition of the Phase One Property. The following individuals provided information regarding the history of the Phase One Property and the surrounding properties within the Phase One Study Area to the best of their knowledge:

Person Interviewed	Relationship to Phase One Property	Date and Place of Interview	Interview Method
Mr. David Kurosky	Current owner of Phase One Property	December 10, 2018	Telephone interview

Mr. Kurosky was chosen to be interviewed given that he the current owner of the Phase One Property and is familiar with the recent operational history of the Phase One Property. Mr. Kurosky is referred to herein as the “Site Representative”.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. The information provided by the interviewee was corroborated by the available historical records. As such, Pinchin has no concerns regarding the validity of the information provided by the individual interviewed for the Phase One ESA.

With respect to PCAs and APECs, no additional information was obtained from the interviews other than that documented elsewhere in this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area was conducted for the purpose of identifying the presence of possible PCAs and associated APECs.

The Site reconnaissance was completed on December 10, 2019 by a Pinchin representative (i.e., Mr. Dave Labelle), under the direct supervision of Pinchin's QP overseeing this project. Mr. Labelle is an Environmental Project Technologist with more than two years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to document environmental conditions. During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern.

The Site reconnaissance was conducted between the hours of 2:00 PM and 4:00 PM. During the Site reconnaissance, the weather was sunny and the ground surface was snow-covered, limiting exterior observations. The Phase One Property reconnaissance was conducted on foot and consisted of a walk-through of the property. There were no access restrictions for Pinchin for the Phase One Property, with the exception of some areas to the Phase One Property that could not be accessed due to deep snow cover. At the time of the Site reconnaissance, the Phase One Property consisted primarily of vacant undeveloped land, with an access road located on the central and southeast portions.

Photographs taken during the Site reconnaissance that illustrate the interior and exterior of the Site Building, Phase One Property and Phase One Study Area are provided in Appendix B.

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

There were no buildings or structures present on the Phase One Property at the time of the Site reconnaissance.

6.2.2 Description of Below-Ground Structures

There were no below-ground structures present on the Phase One Property at the time of the Site reconnaissance.

6.2.3 Description of Tanks

During the Site reconnaissance, Pinchin did not observe any tanks on the Phase One Property for the purpose of either fuel dispensing or storage, or other unidentified substance storage.

6.2.4 Potable and Non-Potable Water Sources

Two drilled water wells are located on the Phase One Property; one on the northeast portion and one on the central portion. The Site Representative indicated that the wells are currently not in use.

6.2.5 Description and Location of Underground Utilities

The Phase One Property has remained undeveloped and there are no known underground utilities.

6.2.6 Entry and Exit Points

The Phase One Property is presently vacant and undeveloped; however, an access road provides entry/exit to the Phase One Property and is present on the central and southeast portions of the Phase One Property.

6.2.7 Details of Heating System

The Phase One Property is presently vacant and undeveloped and as such, no heating systems are present on-Site.

6.2.8 Details of Cooling System

The Phase One Property is presently vacant and undeveloped and as such, no cooling systems are present on-Site.

6.2.9 Details of Drains, Pits and Sumps

No pits or sumps were observed at the Phase One Property.

6.2.10 Unidentified Substances within Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances at the Phase One Property.

6.2.11 Details of Staining and Corrosion

During the Site reconnaissance, Pinchin did not observe any areas of staining or corrosion; however, it should be noted that the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations.

6.2.12 Details of On-Site Wells

Two drilled water wells are located on the Phase One Property; one on the northeast portion and one on the central portion. The Site Representative indicated that the wells are currently not in use. The Site Representative did not have any information on the date of installation or construction details of the well, and the wells were not identified within the EcoLog ERIS report.

6.2.13 Details of Sewage Works

During the Site reconnaissance, Pinchin did not observe any sewage works or evidence of sewage disposal on the Phase One Property.

6.2.14 Details of Ground Cover

Although the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations, Pinchin visually inspected the Phase One Property ground cover. The Phase One Property consists primarily of grassed areas, with treed areas located on the northeast, west, southwest and northwest portions of the Phase One Property. Various stockpiles of fill material, inferred to consist of soil, wood, brick and gravel and inferred to be non-deleterious in nature, were observed on the northwest and southeast portions of the Phase One Property. The quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities.

6.2.15 Details of Current or Former Railways

No current or former railway infrastructure was observed on the Phase One Property.

6.2.16 Areas of Stained Soil, Vegetation and Pavement

Although the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations, Pinchin did not observe any areas of stained soil, vegetation or pavement on the Phase One Property.

6.2.17 Areas of Stressed Vegetation

Although the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations, Pinchin did not observe any areas of stressed vegetation on the Phase One Property.

6.2.18 Areas of Fill and Debris Materials

Various stockpiles of fill material, inferred to consist of soil, wood, brick and gravel and inferred to be non-deleterious in nature, were observed on the northwest and southeast portions of the Phase One Property. The quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities.

6.2.19 Potentially Contaminating Activities

A PCA is defined by O. Reg. 153/04 as a "use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area" including the Phase One Property.

The following PCA was observed on the Phase One Property during the Site reconnaissance:

- Item 30 – Importation of Fill Material of Unknown Quality (various stockpiles of fill material observed on the northwest and southeast portions of the Phase One Property). The fill piles were observed to primarily consist of soil, wood, brick and gravel and are inferred to be non-deleterious in nature; however, the quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities.

Details regarding the PCA (e.g., locations, potential contaminants of concern, and rationale for inclusion) are provided in the above relevant sections of this report, and are further summarized in Section 7.2.

6.2.20 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances on the exterior of the Phase One Property.

6.3 Enhanced Investigation Property

O. Reg. 153/04 defines an "enhanced investigation property" as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use or; and
- For any of the following commercial uses:
  - As a garage;
  - As a bulk liquid dispensing facility, including a gasoline outlet; or
  - For the operation of dry cleaning equipment.

The findings of this Phase One ESA have not documented any of the above land uses as occurring at the Phase One Property, and the Phase One Property is therefore not an enhanced investigation property.

6.4 Written Description of Investigation

The Phase One ESA completed by Pinchin included investigations of the Phase One Property and the Phase One Study Area outside of the Phase One Property pursuant to Sections 13 and 14 of Schedule D of O. Reg.153/04. The main objective of these investigations was to identify PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property that could have resulted in APECs at the Phase One Property.

6.4.1 Phase One Property

The investigation of the Phase One Property consisted of the following components:

- Review of available historical records, including previous environmental reports, EcoLog ERIS regulatory search, city directories, aerial photographs and well records;
- A Site reconnaissance completed on December 10, 2019, by Mr. Dave Labelle of Pinchin that included an assessment of the Phase One Property;
- Interviews with individuals knowledgeable of the history and operations at the Phase One Property; and
- Review of mapping provided by EcoLog ERIS for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified the following PCAs:

- Item 30 – Importation of Fill Material of Unknown Quality (various stockpiles of fill material observed on the northwest and southeast portions of the Phase One Property during Pinchin's Site reconnaissance, as well as on the northwest portion of the Phase One Property in the 2011, 2014 and 2017 aerial photographs). During Pinchin's Site reconnaissance, the fill piles were observed to primarily consist of soil, wood, brick and gravel and are inferred to be non-deleterious in nature; however, the quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities; and
- Item 30 – Importation of Fill Material of Unknown Quality (fill piles observed on the northeast portion of the Phase One Property in the 1991 aerial photograph). The quality of these fill piles is unknown; however, based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that the fill piles formerly located on the northeast portion of the Phase One Property are unlikely to result in potential subsurface impacts at the Phase One Property.

No areas of natural significance were identified at the Phase One Property.

6.4.2 Phase One Study Area Outside of Phase One Property

The investigation of the Phase One Study Area outside of the Phase One Property consisted of the following components:

- Review of available historical records, including previous environmental reports, EcoLog ERIS regulatory search, city directories and aerial photographs;
- Visual inspection of properties from publicly-accessible areas for evidence of PCAs and water bodies; and
- Review of mapping provided by EcoLog ERIS for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property identified the following PCA:

- Item 49 – Salvage Yard, including automobile wrecking (wrecking yard located northeast of the Phase One Property from 1955 until 1976). The wrecking yard was located at least 35 m northeast of the Phase One Property and this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to groundwater (i.e., greater than 6.4 mbgs), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

No areas of natural significance were identified within the Phase One Study Area outside of the Phase One Property.

Based on a cursory review of the properties greater than 250 m (i.e., outside of the Phase One Study Area), but less than 1 km, from the Phase One Study Area, Pinchin did not note or observe any significant contaminating properties that should be included as part of this assessment (i.e., landfills, large industrial manufacturers, etc.).

A plan identifying the location of the PCAs for which this Phase One ESA applies to is provided as Figure 3.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The following table is a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, city directories, etc.
Prior to 1985	Unknown.	Assumed vacant/ agricultural/ forested land.	N/A.	The Site appeared to consist of vacant undeveloped land on the 1955, 1965, 1976 and 1985 aerial photographs reviewed by Pinchin.
1991-present.	Unknown.	Vacant, storage	Vacant, storage	Portions of the Phase One Property appeared to have been cleared on the aerial photographs from 1991-2017, and fill piles were evident on-Site during these years as well. In addition, an access road was evident on the central and southeast portions of the Phase One Property during these years. Lastly, the Site Representative indicated that no buildings or permanent structures have historically been present on the Phase One Property.

To the best of Pinchin's knowledge, no building or structure has been constructed on the Phase One Property to date.

No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

7.2 Potentially Contaminating Activities

The following PCAs as defined by O. Reg. 153/04 were documented by Pinchin to have occurred at the Phase One Property:

- Item 30 – Importation of Fill Material of Unknown Quality (various stockpiles of fill material observed on the northwest and southeast portions of the Phase One Property during Pinchin's Site reconnaissance, as well as on the northwest portion of the Phase One Property in the 2011, 2014 and 2017 aerial photographs). During Pinchin's Site reconnaissance, the fill piles were observed to primarily consist of soil, wood, brick and gravel and are inferred to be non-deleterious in nature; however, the quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities; and
- Item 30 – Importation of Fill Material of Unknown Quality (fill piles observed on the northeast portion of the Phase One Property in the 1991 aerial photograph). The quality of these fill piles is unknown; however, based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that the fill piles formerly located on the northeast portion of the Phase One Property are unlikely to result in potential subsurface impacts at the Phase One Property.

The following PCA as defined by O. Reg. 153/04 was documented by Pinchin to have occurred within the Phase One Study Area outside of the Phase One Property:

- Item 49 – Salvage Yard, including automobile wrecking (wrecking yard located northeast of the Phase One Property from 1955 until 1976). The wrecking yard was located at least 35 m northeast of the Phase One Property and this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to groundwater (i.e., greater than 6.4 mbgs), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

7.3 Areas of Potential Environmental Concern

No APECs were identified at the Phase One Property and within the Phase One Study Area.

7.4 Phase One Conceptual Site Model

A conceptual site model (CSM) has been created to provide a summary of the findings of the Phase One ESA. The Phase One CSM is summarized in Figures 1 through Figure 3, which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures;
- Water bodies located in whole or in part within the Phase One Study Area;
- Areas of natural significance located in whole or in part within the Phase One Study Area;
- Drinking water wells located at the Phase One Property;
- Land use of adjacent properties;
- Roads within the Phase One Study Area;
- PCAs within the Phase One Study Area, including the locations of tanks; and
- APECs at the Phase One Property.

The following provides a narrative summary of the Phase One CSM:

- The Phase One Property is a rectangular-shaped parcel of land approximately 10.7 acres (4.3 hectares) in size, located at the southwest corner of the intersection of Boundary Road and Mitch Owens Road in the City of Ottawa. The Phase One Property consists of vacant undeveloped/forested land, and portions of the Phase One Property have been utilized for storage since approximately 1991. There is no record of industrial use or of a commercial use (e.g., garage, bulk liquid dispensing facility or dry cleaner) that would require classifying the Phase One Property as an enhanced investigation property;
- No water bodies were identified within the Phase One Study Area. The nearest water body is a tributary of Bear Brook, which is located approximately 800 m northwest of the Phase One Property;
- No areas of natural significance were identified within the Phase One Study Area;
- Two drilled water wells are located on the Phase One Property; one on the northeast portion and one on the central portion. The wells are reportedly not in use;

- The properties within the Phase One Study Area consist of vacant, residential and commercial land uses. The properties located north of the Phase One Property consist of Mitch Owens Road followed by vacant undeveloped land to beyond 250 m from the Phase One Property. The properties located east of the Phase One Property consist of present-day Boundary Road followed by a commercial property (vacant) and vacant undeveloped land to beyond 250 m from the Phase One Property. The properties located south and west of the Phase One Property consist of vacant undeveloped land to beyond 250 m from the Phase One Property;
- A total of three PCAs were identified within the Phase One Study Area, consisting of two PCAs at the Phase One Property and one PCA within the Phase One study, outside of the Phase One Property. The PCAs are discussed below:
  - Item 30 – Importation of Fill Material of Unknown Quality (various stockpiles of fill material observed on the northwest and southeast portions of the Phase One Property during Pinchin's Site reconnaissance, as well as on the northwest portion of the Phase One Property in the 2011, 2014 and 2017 aerial photographs). During Pinchin's Site reconnaissance, the fill piles were inferred to primarily consist of soil, wood, brick and gravel and are inferred to be non-deleterious in nature; however, the quality of these fill piles is unknown As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities;
  - Item 30 – Importation of Fill Material of Unknown Quality (fill piles observed on the northeast portion of the Phase One Property in the 1991 aerial photograph). The quality of these fill piles is unknown; however, based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that the fill piles formerly located on the northeast portion of the Phase One Property are unlikely to result in potential subsurface impacts at the Phase One Property; and
  - Item 49 – Salvage Yard, including automobile wrecking (wrecking yard located northeast of the Phase One Property from 1955 until 1976). The wrecking yard was located at least 35 m northeast of the Phase One Property and this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to

groundwater (i.e., greater than 6.4 mbgs), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit. The 2011 SLT Phase I ESA Report indicated that during previous on-Site environmental investigations, the subsurface soil type was a clay with some silt and as such, is relatively impervious; and
- The Phase One Property is relatively flat with little relief. Local groundwater flow is inferred to be to the northwest, based on the location of a tributary of Bear Brook. Regional groundwater flow is inferred to be to the north-northwest towards the Ottawa River.

There were no deviations from the Phase One ESA requirements specified in O. Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase One CSM.

8.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property in support of filing a Site Plan Approval application with the City of Ottawa.

The review of information obtained from historical records, interviews and a Site reconnaissance completed by Pinchin for the Phase One ESA did not identify any PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) that are considered to result in APECs to Phase One Property. Two on-Site PCAs and one off-Site PCA were identified, and are discussed below:

- Item 30 – Importation of Fill Material of Unknown Quality (various stockpiles of fill material observed on the northwest and southeast portions of the Phase One Property during Pinchin's Site reconnaissance, as well as on the northwest portion of the Phase One Property in the 2011, 2014 and 2017 aerial photographs). During Pinchin's Site reconnaissance, the fill piles were inferred to primarily consist of soil, wood, brick and gravel and are inferred to be non-deleterious in nature; however, the quality of these fill piles is unknown. As such, these fill piles represent a PCA for the Phase One Property; however, it is Pinchin's opinion that the fill piles can be removed from the Phase One Property during redevelopment activities;

- Item 30 – Importation of Fill Material of Unknown Quality (fill piles observed on the northeast portion of the Phase One Property in the 1991 aerial photograph). The quality of these fill piles is unknown; however, based on the results of previous subsurface environmental work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that the fill piles formerly located on the northeast portion of the Phase One Property are unlikely to result in potential subsurface impacts at the Phase One Property; and
- Item 49 – Salvage Yard, including automobile wrecking (wrecking yard located northeast of the Phase One Property from 1955 until 1976). The wrecking yard was located at least 35 m northeast of the Phase One Property and this property is situated hydraulically transgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between the wrecking yard and the Site, the inferred groundwater flow direction, the relatively impermeable clayey soil type encountered in the area and the inferred depth to groundwater (i.e., greater than 6.4 mbgs), it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property.

Based on these findings, nothing was identified that would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Phase One Property is suitable for filing a Site Plan Approval application with the City of Ottawa based only on the completion of this Phase One ESA report. However, if the Client intends to potentially utilize the existing on-Site fill piles during development activities at the Phase One Property, Pinchin recommends that the fill piles be sampled to confirm their inferred non-deleterious nature.

It should be noted that the references and sources for the information used in evaluating the Phase One Property are provided in the relevant sections of this report. Furthermore, specific references are also summarized in Section 9.0.

8.1 Signatures

This Phase One ESA was undertaken under the supervision of Scott Mather, P.Eng, QP_{ESA} in accordance with the requirements of O. Reg. 153/04 to support the filing of an SPA for the Phase One Property. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on October 29, 2018, and a review of available historical information and information obtained from interviews.

This report has been issued without having received a response to a request for information from the MECP. Pinchin reserves the right to amend our conclusions and recommendations based on information obtained from the regulatory agency.

We trust that the information provided in this report meets your current requirements.

8.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario (Site), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of Touchstone Contracting & Engineering Ltd. (Client) subject to the terms, conditions and limitations contained within the duly authorized work plan for this project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase One ESA.

9.0 REFERENCES

The following documents, persons or organizations provided information used in this report:

- Mr. David Kurosky, Current owner of the Phase One Property (Site Representative).
- EcoLog ERIS report entitled “5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario”, and dated February 20, 2019 (ERIS Project # 20190214048).
- Risk Management Services.
- The Atlas of Canada – Surficial Materials: http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1
- The Atlas of Canada – Bedrock Geology: http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12.
- Toporama – Topographic Maps:

  http://atlas.gc.ca/site/english/maps/topo/map.
- Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 333/13 on December 13, 2013.
- Canadian Standards Association (CSA) Standard. CSA Z768-01, Phase I Environmental Site Assessment, Canadian Standards Association International, November 2001, reaffirmed in 2012.
- National Air Photo Library, Ottawa, Ontario.
- Library and Archives of Canada, Ottawa, Ontario.

- The City of Ottawa.
- Ministry of the Environment, Conservation and Parks.
- MECP Brownfields Environmental Site Registry.
- Google Earth™ Satellite Imagery.
- Intera Technologies Inc. *Inventory of Coal Gasification Plant Waste Sites in Ontario.* April 1987.
- Intera Technologies Inc. *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*. November 1988.
- *"Phase I Environmental Site Assessment, Property at South West Corner of County Roads 8 and 41, Ontario"* prepared by St. Lawrence Testing & Inspection Co. Ltd. for O'Leary Ltd., and dated April 11, 2011.
- *"Phase I Environmental Site Assessment, 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario"* prepared by Pinchin Environmental Ltd. for O'Leary's Ltd., and dated April 2012.

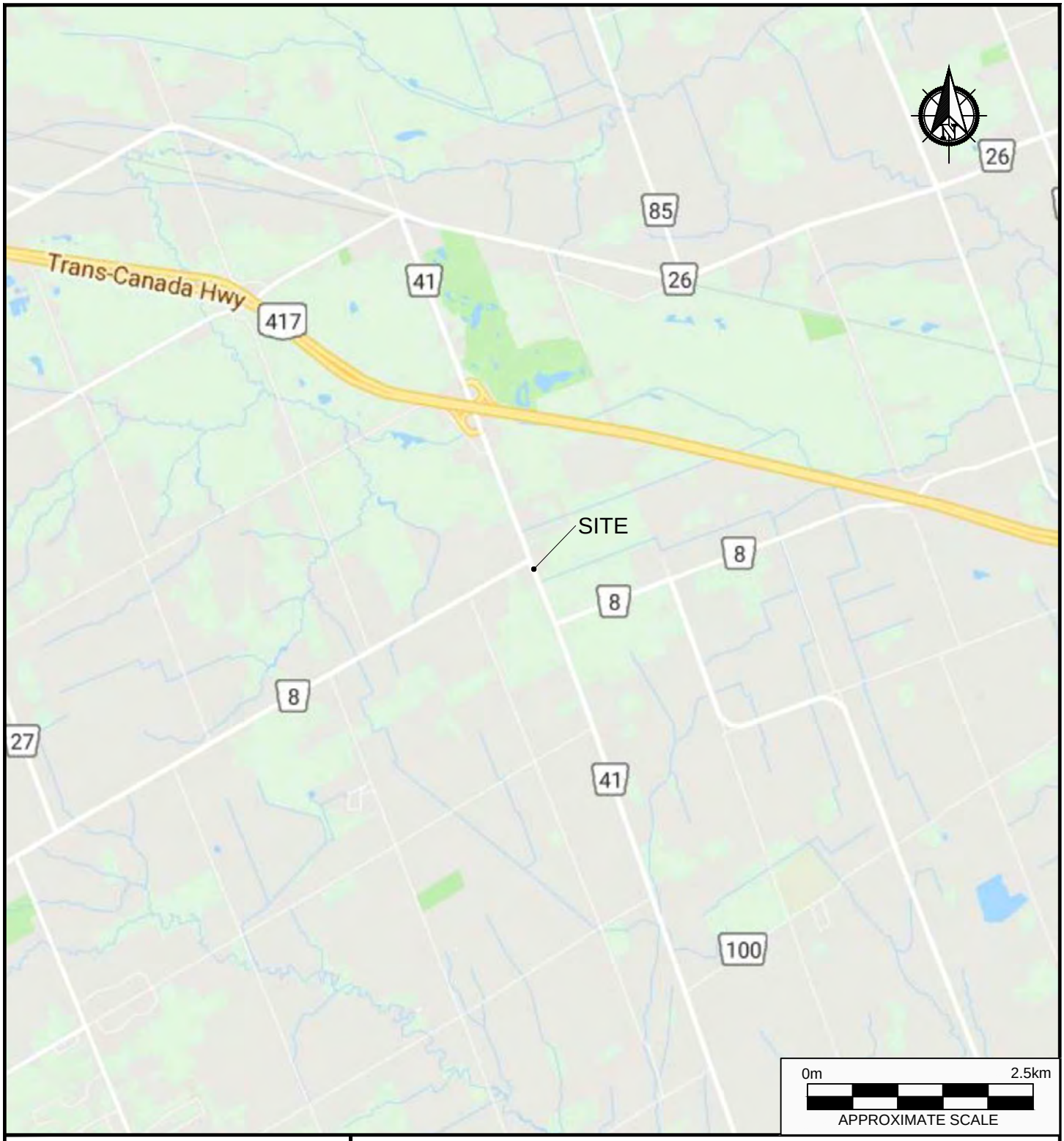
233280.001 SPA Phase One ESA Boundary Rd and Mitch Owens Ottawa ON Touchstone

Template: Master Report for RSC Phase One ESA Report, EDR, November 1, 2018

10.0 APPENDICES

APPENDIX A

Figures



PINCHIN

PROJECT NAME	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
CLIENT NAME	TOUCHSTONE CONTRACTING & ENGINEERING LTD.
PROJECT LOCATION	5592, 5606 AND 5630 BOUNDARY ROAD AND 9460 MITCH OWENS ROAD, OTTAWA, ONTARIO
FIGURE NAME	KEY MAP
FIGURE NO.	1
APPROXIMATE SCALE	AS SHOWN
PROJECT NO.	233280.001
DATE	FEBRUARY 2019

PINCHIN

LEGEND

- SITE BOUNDARY
- RESIDENTIAL
- COMMERCIAL
- VACANT
- # POTENTIALLY CONTAMINATING ACTIVITY

PROJECT NAME	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
CLIENT NAME	TOUCHSTONE CONTRACTING & ENGINEERING LTD.
PROJECT LOCATION	5592, 5606 AND 5630 BOUNDARY ROAD AND 9460 MITCH OWENS ROAD, OTTAWA, ONTARIO
FIGURE NAME	PHASE ONE STUDY AREA
FIGURE NO.	2
APPROXIMATE SCALE	AS SHOWN
PROJECT NO.	233280.001
DATE	FEBRUARY 2019

PINCHIN

LEGEND

[ ]	SITE BOUNDARY
RES	RESIDENTIAL
COM	COMMERCIAL
# ▲	POTENTIALLY CONTAMINATING ACTIVITY

PROJECT NAME	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
CLIENT NAME	TOUCHSTONE CONTRACTING & ENGINEERING LTD.
PROJECT LOCATION	5592, 5606 AND 5630 BOUNDARY ROAD AND 9460 MITCH OWENS ROAD, OTTAWA, ONTARIO
FIGURE NAME	POTENTIALLY CONTAMINATING ACTIVITIES
FIGURE NO.	3
APPROXIMATE SCALE	AS SHOWN
PROJECT NO.	233280.001
DATE	FEBRUARY 2019

APPENDIX B

Photographs

Photo 1 – View of the northeast portion of the Phase One Property.

Photo 2 – View of the northwest portion of the Phase One Property.

Photo 3 – View of the southeast portion of the Phase One Property.

Photo 4 – View of the southwest portion of the Phase One Property.

Photo 5 – Drilled water well located on the northeast portion of the Phase One Property.

Photo 6 – General view of fill piles observed on the northwest portion of the Phase One Property.

Photo 7 – General view of the fill piles observed on the southeast portion of the Phase One Property.

Photo 8 – Property located north of the Phase One Property.

Photo 9 – Property located south of the Phase One Property.

Photo 10 – Property located east of the Phase One Property.

Photo 11 – Property located west of the Phase One Property.

APPENDIX C

Survey Plan

SCHEDULE		
PART	LOT AND CON.	INST.
1	PART OF LOT 1 , CON. 11	N 556298
2		
3		
4		N 427356 (REMAINDER)

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE REGISTRY ACT.

DATE FEBRUARY 13, 1992

H.A.K. SHIPMAN

PLAN 4R-8132

DATE June 15/92

"D. McKay" Dep

LAND REGISTRAR FOR THE REGISTRY DIVISION OF OTTAWA-CARLETON (No.4)

PLAN OF SURVEY OF

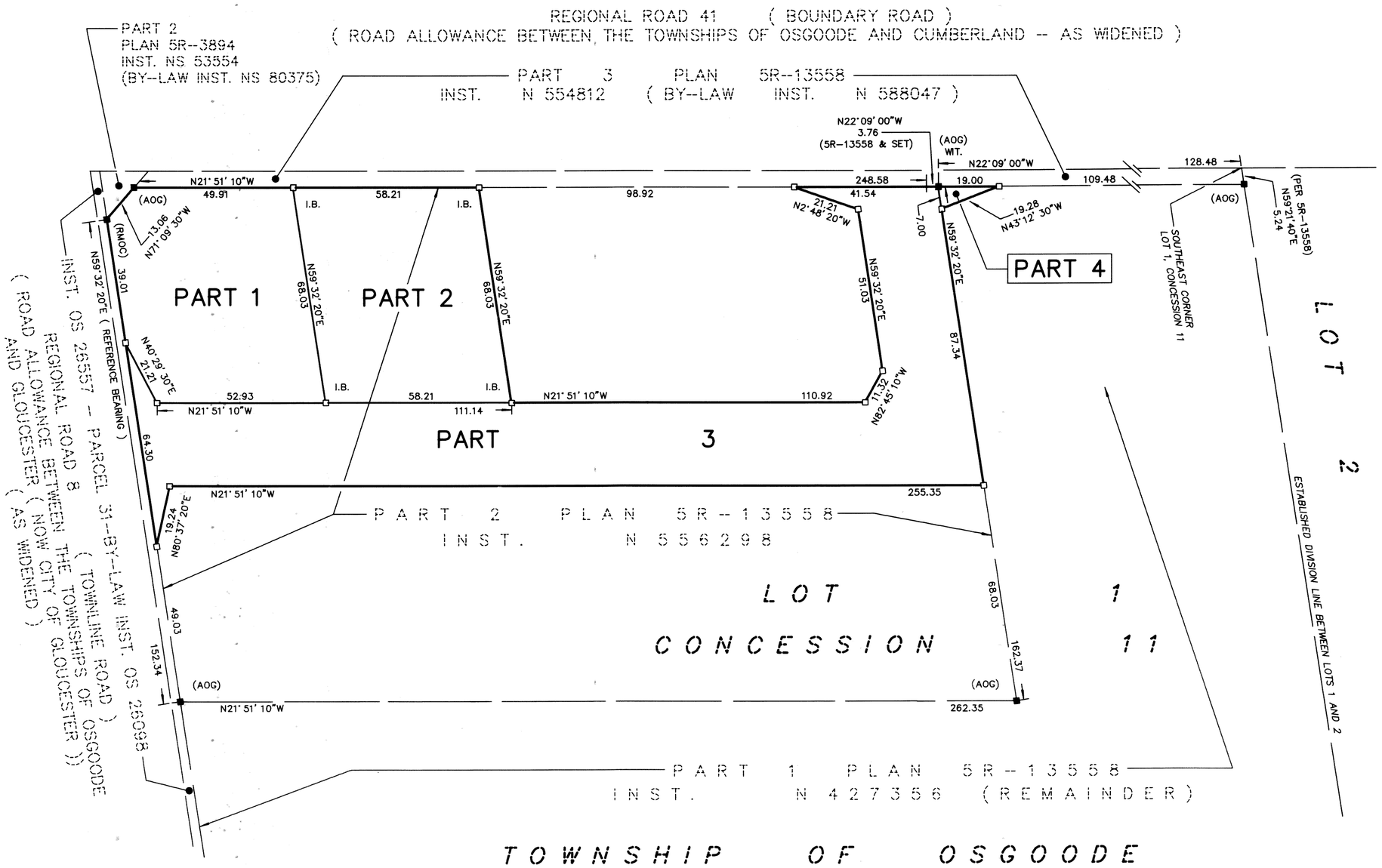
PART OF LOT 1
CONCESSION 11

TOWNSHIP OF OSGOODE

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON
BY H.A. KEN SHIPMAN SURVEYING LTD. 1992

SCALE 1 : 1000

0 10 20 30 40 60 80 100
METRES



METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

NOTES

BEARINGS HEREON ARE ASTRONOMIC, DERIVED FROM THE BEARING OF N59° 32' 20"E AS SHOWN FOR THE NORTHERLY LIMIT OF PART 2 ON DEPOSITED PLAN 5R-13558.

ALL MONUMENTS ARE STANDARD IRON BARS UNLESS OTHERWISE NOTED

S.I.B.	DENOTES 0.025 SQ., 1.2 LONG, STANDARD IRON BAR
S.S.I.B.	DENOTES 0.025 SQ., 0.6 LONG, SHORT STANDARD IRON BAR
I.B.	DENOTES 0.016 SQ., 0.6 LONG, IRON BAR
■	DENOTES SURVEY MONUMENT FOUND
□	DENOTES SURVEY MONUMENT PLANTED
WIT.	DENOTES WITNESS
AOG	DENOTES ANNIS,O'SULLIVAN,VOLLEBEKK LTD.
RMOC	DENOTES REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

CAUTION THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF THE PLANNING ACT.

SURVEYOR'S CERTIFICATE

(1) THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT AND THE REGISTRY ACT AND THE REGULATIONS MADE THEREUNDER;

(2) THE SURVEY WAS COMPLETED ON THE 12th DAY OF FEBRUARY, 1992

FEBRUARY 13, 1992
DATE

H.A.K. SHIPMAN
ONTARIO LAND SURVEYOR

H.A.KEN SHIPMAN SURVEYING LTD.

P.O. BOX 53, NORTH GOWER, ONT. K0A 2T0

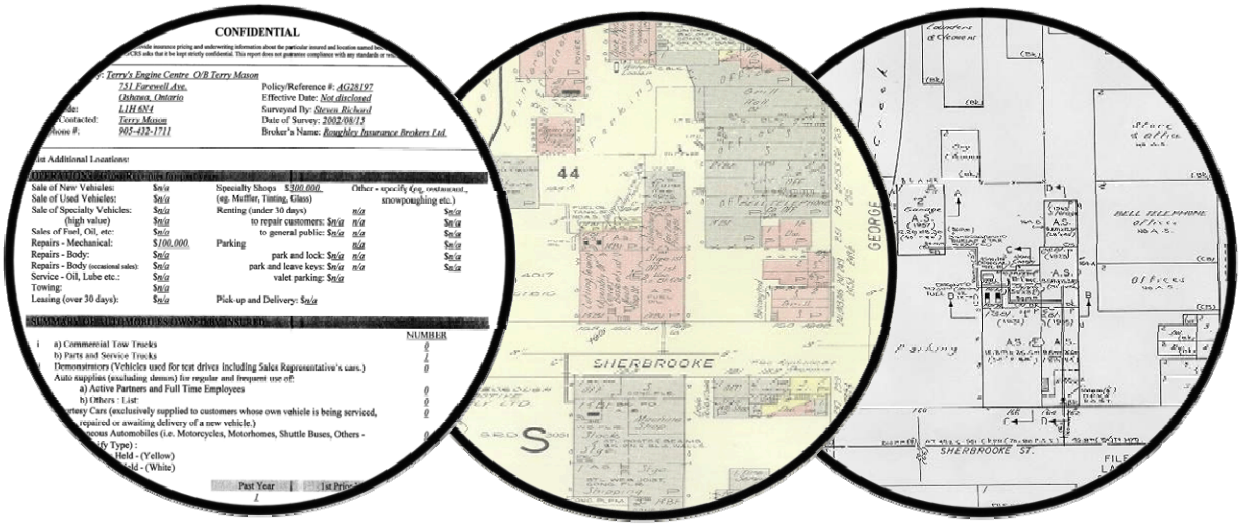
DRAWN BY:	L.G.G. (c)
CHECKED BY:	H.A.K.S.
REF No. :	OS.-681
FILE No. :	92-1-5195

APPENDIX D

Opta Records

HEIRS™

Historical
Environmental
Information
Reporting
System



Site Address:
Mitch Owen & Boundary Road
Ottawa (Edwars)

Project No:
74893

Requested by:
Patrick Jordan
Pinchin Environmental

Date Completed:
April 16, 2012

RISK MANAGEMENT SERVICES
An **SCM** Company

150 Commerce Valley Drive W
Thornhill, ON L3T 7Z3
Tel: (905) 882-6300 ext 5426
www.scm-rms.ca

Report Completed By:
Sunita Kapoor

RMS Environmental Services
Historical Environmental Information Reporting System (HEIRS™)

April 16, 2012

Patrick Jordan
Pinchin Environmental
555 Legget Drive
Ottawa, Ontario. K2K 2X3

Dear Patrick,

Re: **Your Site Address: Mitch Owen and Boundary Road, Ottawa (Edwars)**
Your Reference No.: 74893

As requested, we have searched our records regarding the above site and the following information was found:

Information	Date(s)	Comment	Cost
Research Fee per street address		$50.00 flat fee per street address.	$50.00
Fire Insurance Plans	No Records Found	$100.00 for each Fire Insurance Plan.	
Reports: All Risk/Multi-Risk Inspection COPE Other	No Records Found	$55.00 for each Inspection/Survey report	
Site Plan(s)	No Records Found	$70.00 for each Site plan	
		Total	**$50.00**

NRF: No Records Found. NO: Not Ordered.

The cost is $50.00 plus courier charges (if applicable) and HST.
See Terms and Conditions on page two of this letter.

Thank you for employing the services of SCM Risk Management Services Inc.

Sunita Kapoor
Environmental Services

RMS Environmental Services
Historical Environmental Information Reporting System (HEIRS™)
Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in RMS's records relating to the described property (hereinafter referred to as the "Property"). RMS makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. RMS does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

RMS disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on RMS Reports or from any tortious acts or omissions of RMS's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

APPENDIX E

EcoLog ERIS Report

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario 5592 Boundary Road Ottawa Navan ON K4B 1T8*
Project No:	*233280.001*
Report Type:	*RSC Report - Quote*
Order No:	*20190214048*
Requested by:	*Pinchin Ltd.*
Date Completed:	*February 20, 2019*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario* *5592 Boundary Road Ottawa Navan ON K4B 1T8*
Project No:	*233280.001*

Order Information:

Order No:	*20190214048*
Date Requested:	*February 14, 2019*
Requested by:	*Pinchin Ltd.*
Report Type:	*RSC Report - Quote*

Historical/Products:

Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	1	1
AUWR	Automobile Wrecking & Supplies	Y	0	1	1
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	3	3	6
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	3	3
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MISA PENALTY	Environmental Penalty Annual Report	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
		Total:	3	14	17

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		5592 Boundary Road Ottawa Ontario Navan ON K4B 1T8	-/0.0	0.00	15
2	EHS		n/a Ottawa ON	-/0.0	-1.00	15
3	EHS		Part Lot 1, Conc. 11 Osgoode Part 1 & 2 on 4R8132 Ottawa ON	-/0.0	-1.00	15

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	SPL	TRANSPORT TRUCK	MITCH OWENS RD,BOUNDRY RD,VINE RD AND BOURGET VILLAGE. MOTOR VEHICLE (OPERATING FLUID) GLOUCESTER CITY ON	NNE/16.8	0.00	15
5	WWIS		OTTAWA ON ***Well ID:*** 7212029	NNE/56.4	0.00	16
6	WWIS		OTTAWA ON ***Well ID:*** 7212030	NNE/56.6	0.00	19
7	WWIS		Ottawa ON ***Well ID:*** 7201723	ESE/72.7	0.00	22
8	WWIS		Ottawa ON ***Well ID:*** 7201708	E/86.1	0.00	24
9	AUWR	417 AUTO PARTS & TOWING REG'D	5575 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	N/116.4	0.00	26
9	GEN	150306 CANADA INC.	5575 BOUNDARY ROAD CARLSBAD SPRINGS ON K0A 1K0	N/116.4	0.00	26
10	ANDR	Edwards junkyard 1975	Edwards ON K0A 1V0	NE/173.6	0.00	27
11	EHS		101 Entrepreneur Cres Ottawa ON K0A1K0	N/229.0	-0.31	27
12	EHS		100 Entrepreneur Cres Ottawa ON K0A1V0	N/257.3	-1.00	28
13	GEN	ALL ABOUT YOU CONSTRUCTION	1129 BLACKCREEK ROAD EDWARDS ON K0A 1V0	SW/257.7	0.00	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	GEN	ALL ABOUT YOU CONSTRUCTION	1129 BLACKCREEK ROAD EDWARDS ON K0A 1V0	SW/257.7	0.00	28
14	EHS		145, Entrepreneur cres Ottawa ON	NNE/272.3	0.00	28
15	WWIS		Ottawa ON ***Well ID:*** 7201224	NNE/291.2	0.00	29

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 1 ANDR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Edwards junkyard 1975	Edwards ON K0A 1V0	173.6	10

AUWR - Automobile Wrecking & Supplies

A search of the AUWR database, dated 1999-Jul 31, 2018 has found that there are 1 AUWR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
417 AUTO PARTS & TOWING REG'D	5575 BOUNDARY RD CARLSBAD SPRINGS ON K0A 1K0	116.4	9

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2019 has found that there are 6 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5592 Boundary Road Ottawa Ontario Navan ON K4B 1T8	0.0	1
	n/a Ottawa ON	0.0	2
	Part Lot 1, Conc. 11 Osgoode Part 1 & 2 on 4R8132 Ottawa ON	0.0	3
	101 Entrepreneur Cres Ottawa ON K0A1K0	229.0	11

Site	Address	Distance (m)	Map Key
	100 Entrepreneur Cres Ottawa ON K0A1V0	257.3	12
	145, Entrepreneur cres Ottawa ON	272.3	14

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2018 has found that there are 3 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
150306 CANADA INC.	5575 BOUNDARY ROAD CARLSBAD SPRINGS ON K0A 1K0	116.4	9
ALL ABOUT YOU CONSTRUCTION	1129 BLACKCREEK ROAD EDWARDS ON K0A 1V0	257.7	13
ALL ABOUT YOU CONSTRUCTION	1129 BLACKCREEK ROAD EDWARDS ON K0A 1V0	257.7	13

SPL - Ontario Spills

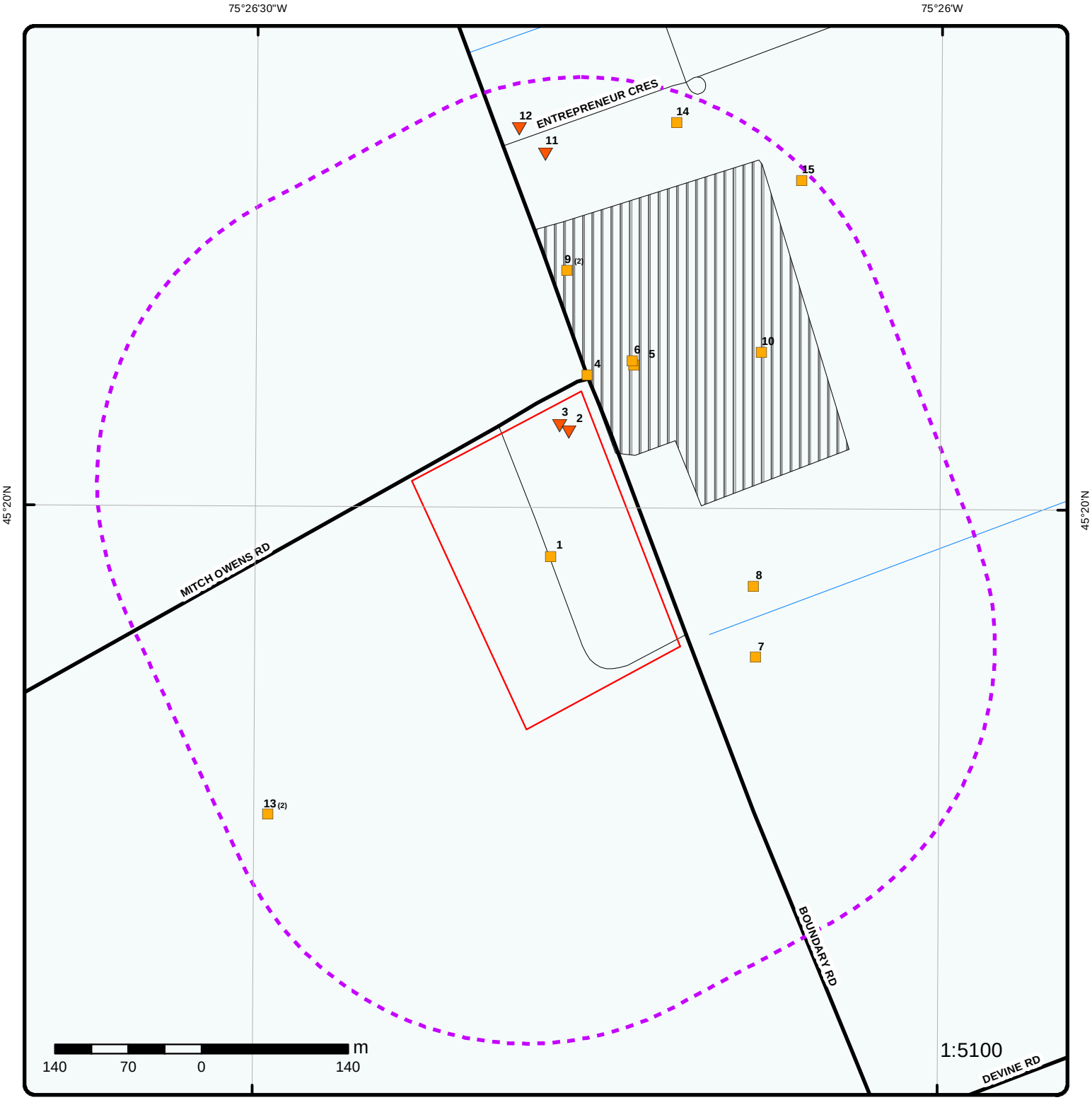
A search of the SPL database, dated 1988-Dec 2018 has found that there are 1 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TRANSPORT TRUCK	MITCH OWENS RD,BOUNDRY RD,VINE RD AND BOURGET VILLAGE. MOTOR VEHICLE (OPERATING FLUID) GLOUCESTER CITY ON	16.8	4

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 5 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	OTTAWA ON ***Well ID:*** 7212029	56.4	5
	OTTAWA ON ***Well ID:*** 7212030	56.6	6
	Ottawa ON ***Well ID:*** 7201723	72.7	7
	Ottawa ON ***Well ID:*** 7201708	86.1	8
	Ottawa ON ***Well ID:*** 7201224	291.2	15



Map : 0.3 Kilometer Radius

Order No: 20190214048

Address: 5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

75°27'W

45°19'30"N

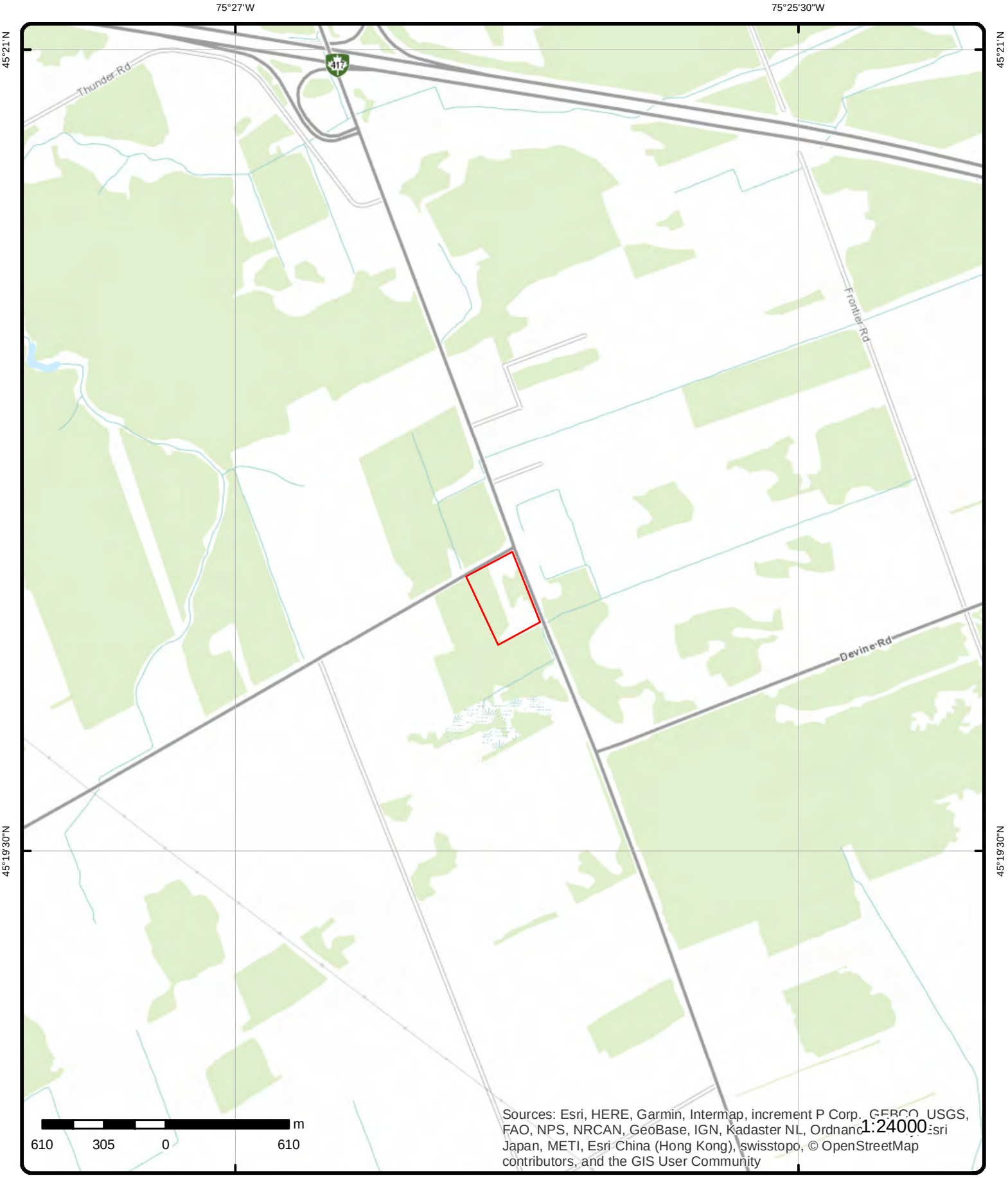
45°19'30"N

Aerial (2015)

Order No: 20190214048

Address: 5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Source: ESRI World Imagery



Topographic Map

Order No: 20190214048

Address: 5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	75.9 / 0.00	5592 Boundary Road Ottawa Ontario Navan ON K4B 1T8	EHS

Order No:	20181203042	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	06-DEC-18	**Search Radius (km):**	.25
Date Received:	03-DEC-18	**X:**	-75.438061
Previous Site Name:		**Y:**	45.332916
Lot/Building Size:			
Additional Info Ordered:			

2	1 of 1	-/0.0	74.9 / -1.00	n/a Ottawa ON	EHS

Order No:	20120410002	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	4/16/2012 10:03:10 AM	**Search Radius (km):**	0.25
Date Received:	4/10/2012 10:00:40 AM	**X:**	-75.437851
Previous Site Name:		**Y:**	45.333983
Lot/Building Size:			
Additional Info Ordered:			

3	1 of 1	-/0.0	74.9 / -1.00	Part Lot 1, Conc. 11 Osgoode Part 1 & 2 on 4R8132 Ottawa ON	EHS

Order No:	20100203009	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	2/11/2010	**Search Radius (km):**	0.25
Date Received:	2/3/2010	**X:**	-75.437965
Previous Site Name:		**Y:**	45.334038
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Aerial Photos;		

4	1 of 1	NNE/16.8	75.9 / 0.00	TRANSPORT TRUCK MITCH OWENS RD,BOUNDRY RD,VINE RD AND BOURGET VILLAGE. MOTOR VEHICLE (OPERATING FLUID) GLOUCESTER CITY ON	SPL

Ref No:	112094	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	4/18/1995	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	PIPE/HOSE LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	

Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	20105
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	OPP.REGIONAL PD,WORKS.
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	4/18/1995	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	EQUIPMENT FAILURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	WELLS COMPANY-UKN QTY DIESEL FUEL TO ROAD,FUEL LINE LEAK,PD,REGION.		
Contaminant Qty:			

5	1 of 1	NNE/56.4	75.9 / 0.00	OTTAWA ON	WWIS

Well ID:	7212029	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	11/28/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z179935	**Owner:**	
Tag:	A154128	**Street Name:**	5775 BOUNDARY ROAD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004655630	**Elevation:**	77.4
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	465754
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	5020210
Cluster Kind:		**UTMRC:**	4
Date Completed:	28-OCT-13	**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:	1004977006
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004977008
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	2.44
Formation End Depth:	6.4
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004977007
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	.31
Formation End Depth:	2.44
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004977018
Layer:	3
Plug From:	5.18
Plug To:	6.4
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004977017
Layer:	2
Plug From:	.31
Plug To:	5.18
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004977016
Layer:	1
Plug From:	0
Plug To:	.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004977015
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004977005
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004977011
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5.49
Casing Diameter:	3.45
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004977012
Layer:	1
Slot:	10
Screen Top Depth:	5.49
Screen End Depth:	6.4
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1004977010
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004977009
Diameter: 8.25
Depth From: 0
Depth To: 6.4
Hole Depth UOM: m
Hole Diameter UOM: cm

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6 | **1 of 1** | **NNE/56.6** | **75.9 / 0.00** | **OTTAWA ON** | **WWIS**

Well ID: 7212030
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z179936
Tag: A154131
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: 11/28/2013
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 5775 BOUNDARY RD
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1004655633
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-OCT-13
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 77.36
Elevrc:
Zone: 18
East83: 465752
Org CS: UTM83
North83: 5020214
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004977021
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND

Mat2:	06
Other Materials:	SILT
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	.31
Formation End Depth:	2.44
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004977020
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004977022
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	2.44
Formation End Depth:	6.4
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004977031
Layer:	2
Plug From:	.31
Plug To:	5.18
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004977032
Layer:	3
Plug From:	5.18
Plug To:	6.4
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004977030
Layer:	1
Plug From:	0
Plug To:	.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004977029
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004977019
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004977025
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5.49
Casing Diameter:	3.45
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004977026
Layer:	1
Slot:	10
Screen Top Depth:	5.49
Screen End Depth:	6.4
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1004977024
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004977023
Diameter:	8.25
Depth From:	0
Depth To:	6.4

Hole Depth UOM: m
Hole Diameter UOM: cm

7	1 of 1	ESE/72.7	75.9 / 0.00	Ottawa ON	WWIS

Well ID:	7201723	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	5/15/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z168552	**Owner:**	
Tag:	A145310	**Street Name:**	BOUNDRY RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004302414	**Elevation:**	76.82
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	465870
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	5019931
Cluster Kind:		**UTMRC:**	4
Date Completed:	08-APR-13	**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:	1004849341
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004849349
Layer:	1
Plug From:	0
Plug To:	.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004849350
Layer:	2
Plug From:	.31
Plug To:	1.5
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004849348
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004849340
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004849344
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	.61
Casing Diameter:	3.45
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004849345
Layer:	1
Slot:	10
Screen Top Depth:	.61
Screen End Depth:	1.5
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1004849343
Layer:	

Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004849342
Diameter: 11.43
Depth From: 0
Depth To: 1.5
Hole Depth UOM: m
Hole Diameter UOM: cm

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8 | **1 of 1** | **E/86.1** | **75.9 / 0.00** | **Ottawa ON** | **WWIS**

Well ID:	7201708	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	5/15/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z152783	**Owner:**	
Tag:	A145270	**Street Name:**	BOUNDRY RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004302262	**Elevation:**	76.89
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	465868
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	5019999
Cluster Kind:		**UTMRC:**	4
Date Completed:	08-APR-13	**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: 1004847907
Layer: 2
Color: 2

General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1.5
Formation End Depth:	6.4
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004847906
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004847916
Layer:	2
Plug From:	4.57
Plug To:	6.4
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004847915
Layer:	1
Plug From:	0
Plug To:	4.57
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004847914
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004847905
Casing No:	0
Comment:	
Alt Name:	

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

Construction Record - Casing

Casing ID:	1004847910
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.88
Casing Diameter:	3.45
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004847911
Layer:	1
Slot:	10
Screen Top Depth:	4.88
Screen End Depth:	6.4
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1004847909
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004847908
Diameter:	11.43
Depth From:	0
Depth To:	6.4
Hole Depth UOM:	m
Hole Diameter UOM:	cm

9	***1 of 2***	***N/116.4***	***75.9 / 0.00***	***417 AUTO PARTS & TOWING REG'D*** ***5575 BOUNDARY RD*** ***CARLSBAD SPRINGS ON K0A 1K0***	***AUWR***

Headcode:	98600
Headcode Desc:	Automobile Wrecking & Recycling
Phone:	6138220727
List Name:	
Description:	Automobile Wrecking

9	***2 of 2***	***N/116.4***	***75.9 / 0.00***	***150306 CANADA INC.*** ***5575 BOUNDARY ROAD*** ***CARLSBAD SPRINGS ON K0A 1K0***	***GEN***

Generator No:	ON5688074	***PO Box No:***	
Status:		***Country:***	
Approval Years:	02,03,04,05,06,07,08	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	

SIC Code:
SIC Description:

--Details--

Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
Waste Code:	221
Waste Description:	LIGHT FUELS
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES

10	1 of 1	NE/173.6	75.9 / 0.00	Edwards junkyard 1975 Edwards ON K0A 1V0	ANDR

Legal Description:	Cumberland Con 11 Lot 24 W pt
Location Description:	E side of Cumberland/Osgoode line
Municipality:	Cumberland Township
Current Municipality:	Cumberland Township
RM:	Ottawa-Carleton Region
Facility:	Auto Junkyard
Date Active:	1975
Date Begun:	
Date Complete:	
Area (Ha):	6.75
Landfill Type:	
Group Name:	
Operated By:	
Serial:	JY OTC29 1975
NTS:	31G06
Diameter (m):	300

Historical Summary:

Edwards junkyard 1975 1954 Airphotomap [YUML: 1954 Airphotomap]. 1968 NTS Map 31G06 Not Marked [1968 NTS 1:50,000 Map Russell ON Sheet 31G06 Edition 3 (air photos 1964, field surveys 1960, culture check 1965, printed 1968)]. 1976 NTS Map 31G06 Junkyard marked, 225m x 300m, E side of Cumberland/Osgoode line [1976 NTS 1:50,000 Map Russell ON Sheet 31G06 Edition 4 (air photos 1975, culture check 1975, information 1975, printed 1976)].

Waste Type:	
UTM X Nad 27:	465850
UTM Y Nad 27:	5020000
UTM Zone:	18

11	1 of 1	N/229.0	75.6 / -0.31	101 Entrepreneur Cres Ottawa ON K0A1K0	EHS

Order No:	20140812016	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	18-AUG-14	**Search Radius (km):**	.25
Date Received:	12-AUG-14	**X:**	-75.438156
Previous Site Name:		**Y:**	45.336368

Lot/Building Size: 2.285 ACRES
Additional Info Ordered:

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12 | **1 of 1** | **N/257.3** | **74.9 / -1.00** | **100 Entrepreneur Cres Ottawa ON K0A1V0** | **EHS**

Order No:	20140328002	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	07-APR-14	**Search Radius (km):**	.25
Date Received:	28-MAR-14	**X:**	-75.438473
Previous Site Name:		**Y:**	45.336583
Lot/Building Size:	0.9 acres		
Additional Info Ordered:			

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13 | **1 of 2** | **SW/257.7** | **75.9 / 0.00** | **ALL ABOUT YOU CONSTRUCTION 1129 BLACKCREEK ROAD EDWARDS ON K0A 1V0** | **GEN**

Generator No:	ON3082756	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Dec 2017	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

--Details--
Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

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13 | **2 of 2** | **SW/257.7** | **75.9 / 0.00** | **ALL ABOUT YOU CONSTRUCTION 1129 BLACKCREEK ROAD EDWARDS ON K0A 1V0** | **GEN**

Generator No:	ON3082756	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No Admin:**	
SIC Code:	238990		
SIC Description:	ALL OTHER SPECIALTY TRADE CONTRACTORS		

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

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14 | **1 of 1** | **NNE/272.3** | **75.9 / 0.00** | **145, Entrepreneur cres Ottawa ON** | **EHS**

Order No:	20071002006	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	CAN - Complete Report	**Client Prov/State:**	
Report Date:	10/11/2007	**Search Radius (km):**	0.25
Date Received:	10/2/2007	**X:**	-75.43656
Previous Site Name:		**Y:**	45.336647
Lot/Building Size:			

Additional Info Ordered: Fire Insur. Maps And /or Site Plans

15 **1 of 1** **NNE/291.2** **75.9 / 0.00** **Ottawa ON** **WWIS**

Well ID:	7201224	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	5/6/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	6894
Casing Material:		**Form Version:**	7
Audit No:	Z82647	**Owner:**	
Tag:	A111206	**Street Name:**	5800 FRONTIER RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004284831	**Elevation:**	76.95
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	465914
Code OB Desc:		**Org CS:**	UTM83
Open Hole:		**North83:**	5020386
Cluster Kind:		**UTMRC:**	4
Date Completed:		**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:	1004767693
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	34
Other Materials:	TILL
Formation Top Depth:	0
Formation End Depth:	147
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1004767699
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1004767692
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004767696
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	147
Casing Diameter:	2.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004767697
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1004767695
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004767694
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Unplottable Summary

Total: 111 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Lot 1, Concession 9	Ottawa ON	
CA	Neighbourhood 2 - Avalon (Stage III)	Lot 1, Concession 10	Cumberland ON	
CA	East Urban Community	Lot 1, Concession 10	Cumberland ON	
CA	Minto Developments Inc.	Lot 1, Concession 10	Cumberland ON	
CA	Scully Way	Lot 1, Concession 9	Ottawa ON	
CA	East Urban Community, Avalon Stage 5A	Lot 1, Concession 10	Ottawa ON	
CA		Lot 1, Concession 9	Ottawa ON	
CA	St. Vincent Hospital	Lot 1, Pt. Lot 14, RP# 11285 & Lots 1-19, RP# 3459	Ottawa ON	
CA	East Urban Community, Avalon Stage 5A	Lot 1, Conc. 10, Cumberland Ward (19)	Ottawa ON	
CA	Avalon Subdivision- Stage 2	Lot 1, Concession 10	Cumberland ON	
CA	East Urban Community	Lot 1, Concession 10	Cumberland ON	
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0

EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCE QUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCEQUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCEQUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0
EXP	DESCHENES CONSTRUCTION (ONTARIO) LTD	DOMTAR R BOYCEQUARRY LOT 25	GLOUCESTER TWP ON	P0G 1K0
GEN	NATIONAL CAPITAL COMMISSION	LOT 25,26,27	OTTAWA ON	K1P 1C7
PRT	REGENT POMERLEAU	BOUNDARY RD	OTTAWA ON	
SPL	UNKNOWN	DIRT ROAD OFF BOUNDARY ROAD BETWEEN INCOME ROAD & 417 AUTOPARTS LTD.	CUMBERLAND TOWNSHIP ON	
SPL	VIA RAIL CANADA INC.	C.N. RAIL LINE, BOUNDARY ROAD NEAR CARLSBAD SPRINGS, FROM VIA RAIL TRAIN TRAIN	OSGOODE TOWNSHIP ON	
WWIS		lot 25	ON	
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WWIS	lot 2	ON

Unplottable Report

Site: ***Database:***
Lot 1, Concession 9 Ottawa ON ***CA***

Certificate #:	1157-4UKJS3
Application Year:	01
Issue Date:	3/7/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Urbandale Corporation
Client Address:	2193 Arch Street
Client City:	OTTAWA
Client Postal Code:	K1G 2H5
Project Description:	Installation of storm and sanitary sewers on Scala Avenue, Calico Crescent, Swallowtail Crescent, Block 216, and Marwick Crescent.
Contaminants:	
Emission Control:	

Site: ***Neighbourhood 2 - Avalon (Stage III)*** ***Database:***
Lot 1, Concession 10 Cumberland ON ***CA***

Certificate #:	1365-4RKLHG
Application Year:	01
Issue Date:	1/12/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Ave. West
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	Sewers to be constructed in Neighbourhood 2 - Avalon - Stage III subdivision, in the City of Cumberland.
Contaminants:	
Emission Control:	

Site: ***East Urban Community*** ***Database:***
Lot 1, Concession 10 Cumberland ON ***CA***

Certificate #:	6083-4JDJG5
Application Year:	00
Issue Date:	5/4/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Ave. West
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	This is an application for a Municipal and Private Sewage Certificate of Approval to construct a stormwater management facility.
Contaminants:	
Emission Control:	

Site: ***Minto Developments Inc.*** ***Database:***
Lot 1, Concession 10 Cumberland ON ***CA***

Certificate #:	8-2065-96-997
Application Year:	2003
Issue Date:	10/10/2003
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Scully Way***
Lot 1, Concession 9 Ottawa ON

Database: ***CA***

Certificate #:	9846-56XQCU
Application Year:	02
Issue Date:	2/4/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	1427165 Ontario Limited
Client Address:	210 Gladstone Avenue, Suite 2001
Client City:	Ottawa
Client Postal Code:	K2P 0Y6
Project Description:	This application is for approval to install storm and sanitary sewers on Scully Way
Contaminants:	
Emission Control:	

Site: ***East Urban Community, Avalon Stage 5A***
Lot 1, Concession 10 Ottawa ON

Database: ***CA***

Certificate #:	6476-5ANKTA
Application Year:	02
Issue Date:	7/15/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Avenue West, Suite 300
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	This application is for approval to construct a stormwater management facility.
Contaminants:	
Emission Control:	

Site:
Lot 1, Concession 9 Ottawa ON

Database: ***CA***

Certificate #:	3312-4UKKJ7
Application Year:	01
Issue Date:	3/7/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Urbandale Corporation
Client Address:	2193 Arch Street
Client City:	OTTAWA
Client Postal Code:	K1G 2H5
Project Description:	Installation of watermains on Scala Avenue, Calico Crescent, Swallowtail Crescent, Block 216, and Markwick Crescent.

Contaminants:
Emission Control:

Site: ***St. Vincent Hospital*** ***Database:***
Lot 1, Pt. Lot 14, RP# 11285 & Lots 1-19, RP# 3459 Ottawa ON ***CA***

Certificate #:	8685-5BAKLG
Application Year:	02
Issue Date:	6/28/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	Amended CofA
Client Name:	Sisters of Charity of Ottawa Health Services
Client Address:	St. Vincent Hospital, 60 Cambridge Street North
Client City:	Ottawa
Client Postal Code:	K1R 7A5
Project Description:	This application is for the approval to modify stormwater management facilities for reconstruction of an existing parking lot to provide a drive thru on the south side of the site to match the controlled release rate of 15.5 L/s as specified for this area in a 1996 report. The release rates from storage for this area on the south side of the site will be controlled by a hydrovex orifice installed and by replacing the existing orifice in existing catchbasins 3 with a new size. In addition, stormwater management facilities have been designed for the reconstructed parking lot and roof area on the north side of the site. A sanitary drain will be supplied and this service will connect into the combined sewer in Cambridge Street.
Contaminants:	
Emission Control:	

Site: ***East Urban Community, Avalon Stage 5A*** ***Database:***
Lot 1, Conc. 10, Cumberland Ward (19) Ottawa ON ***CA***

Certificate #:	6220-5AJHKK
Application Year:	02
Issue Date:	5/27/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Avenue West, Suite 300
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	This application is for the construction of sanitary and storm sewers on Saint Michel Drive, Esprit Drive, Carmella Street, Sunmeadow Street, Papineau Street, Schubert Street, and Clermont Crescent.
Contaminants:	
Emission Control:	

Site: ***Avalon Subdivision- Stage 2*** ***Database:***
Lot 1, Concession 10 Cumberland ON ***CA***

Certificate #:	5108-4PSHAM
Application Year:	00
Issue Date:	10/5/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Ave. West
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	Sanitary sewers to be constructed in Neighborhood 2- Avalon- Stage 2 (East Urban Community) in the City of Cumberland.
Contaminants:	
Emission Control:	

Site: ***East Urban Community*** ***Database:***

Lot 1, Concession 10 Cumberland ON ***CA***

Certificate #:	8102-4JGLX5
Application Year:	00
Issue Date:	4/27/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Ave. West
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	This is an application for a Municipal and Private Sewage Certificate of Approval to construct sanitary sewers.
Contaminants:	
Emission Control:	

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON

Database: ***EXP***

Instance No:	10763247
Instance ID:	37355
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON

Database: ***EXP***

Instance No:	10763229
Instance ID:	37817
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON

Database: ***EXP***

Instance No:	10763262
Instance ID:	37258
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No:	10763238
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	
Status:	EXPIRED

TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 5/26/1992

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No: 10763220
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 5/26/1992

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No: 10763253
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 10/3/1989

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCE QUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No: 9480416
Instance ID:
Instance Type: FS Facility
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 5/26/1992

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCEQUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No: 10763253
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Gasoline Station - Full Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 10/3/1989

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCEQUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No: 10763238

Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Full Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	5/26/1992

Site: ***DESCHENES CONSTRUCTION (ONTARIO) LTD***
DOMTAR R BOYCEQUARRY LOT 25 GLOUCESTER TWP ON P0G 1K0

Database: ***EXP***

Instance No:	10763220
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Full Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	5/26/1992

Site: ***NATIONAL CAPITAL COMMISSION***
LOT 25,26,27 OTTAWA ON K1P 1C7

Database: ***GEN***

Generator No:	ON9920165	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2010	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	712190		
SIC Description:	Other Heritage Institutions		

--Details--

Waste Code:	221
Waste Description:	LIGHT FUELS

Site: ***REGENT POMERLEAU***
BOUNDARY RD OTTAWA ON

Database: ***PRT***

Location ID:	10882
Type:	private
Expiry Date:	
Capacity (L):	27276.00
Licence #:	0001028875

Site: ***UNKNOWN***
DIRT ROAD OFF BOUNDARY ROAD BETWEEN INCOME ROAD & 417 AUTOPARTS LTD. CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	111456	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/29/1995	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20601

Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	WORKS, FD, OPP
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/29/1995	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	UNKNOWN: 1125 L DIESEL TO DITCH FROM LEAKING DRUMS: FD, WORKS, OPP		
Contaminant Qty:			

Site: ***VIA RAIL CANADA INC.***
C.N. RAIL LINE, BOUNDARY ROAD NEAR CARLSBAD SPRINGS, FROM VIA RAIL TRAIN TRAIN OSGOODE TOWNSHIP ON

Database: ***SPL***

Ref No:	152378	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2/13/1998	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20610
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	F.D., EPS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/13/1998	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	VIA RAIL: 675 L DIESEL TORAILBED FOLLOWING TRAIN/ TRUCK COLLISION,UNRECOV.		
Contaminant Qty:			

Site:
lot 25 ON

Database: ***WWIS***

Well ID:	1531640	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/11/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	201717	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10053174	***Elevation:***	
DP2BR:	15	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	26-NOV-99	***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:	931079107
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079106
Layer:	1
Color:	2
General Color:	GREY
Mat1:	12
Most Common Material:	STONES
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079108
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 105
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116809
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531640
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601744
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930093112
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: 930093111
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930093110
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531640
Pump Set At:
Static Level: 14
Final Level After Pumping: 22
Recommended Pump Depth: 80
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934114050
Test Type:
Test Duration: 15
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934915075
Test Type:
Test Duration: 60
Test Level: 22
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397666
Test Type:
Test Duration: 30
Test Level: 17
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658184
Test Type:
Test Duration: 45
Test Level: 19
Test Level UOM: ft

Water Details

Water ID: 933492189
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 72
Water Found Depth UOM: ft

Water Details

Water ID:	933492190
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	91
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1525488	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/22/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	69544	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10047226	***Elevation:***	
DP2BR:	4	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	15-MAY-91	***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:	931061328
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931061327
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931061329
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	80
Formation End Depth:	200
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111227
Layer:	1
Plug From:	2
Plug To:	40
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961525488
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10595796
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930082684
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:	991525488
Pump Set At:	
Static Level:	30
Final Level After Pumping:	150
Recommended Pump Depth:	75
Pumping Rate:	100
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	0
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934905851
Test Type:	
Test Duration:	60
Test Level:	150
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104475
Test Type:	
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388133
Test Type:	
Test Duration:	30
Test Level:	125
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648671
Test Type:	
Test Duration:	45
Test Level:	150
Test Level UOM:	ft

Water Details

Water ID:	933484498
Layer:	1
Kind Code:	1
Kind:	FRESH

Water Found Depth:	198
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database: ***WWIS***

Well ID:	1528976	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/27/1996
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	169429	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050512	***Elevation:***	
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	17-JUN-96	***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:	931071367
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Other Materials:	LAYERED
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	258
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931071366

Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	8
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:	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

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

Results of Well Yield Testing

Pump Test ID:	991528976

Pump Set At:	
Static Level:	40
Final Level After Pumping:	250
Recommended Pump Depth:	240
Pumping Rate:	1
Flowing Rate:	
Recommended Pump Rate:	1
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934389453
Test Type:	Draw Down
Test Duration:	30
Test Level:	150
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105827
Test Type:	Draw Down
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934907574
Test Type:	Draw Down
Test Duration:	60
Test Level:	200
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934658628
Test Type:	Draw Down
Test Duration:	45
Test Level:	175
Test Level UOM:	ft

Water Details

Water ID:	933488885
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1525481	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/22/1991
Sec. Water Use:		***Selected Flag:***	Yes

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	69538	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10047219	***Elevation:***	
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	29-APR-91	***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:	931061299
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	205
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
Other Materials:	STONES
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	4

Formation End Depth: 18
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
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
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
Final Level After Pumping: 70
Recommended Pump Depth: 100
Pumping Rate: 20

Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934905844
Test Type:	
Test Duration:	60
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388126
Test Type:	
Test Duration:	30
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112303
Test Type:	
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648664
Test Type:	
Test Duration:	45
Test Level:	65
Test Level UOM:	ft

Water Details

Water ID:	933484491
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	204
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:***	Yes
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-CARLETON
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	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	28-FEB-90	***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:	931057981
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931057982
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	84
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
Final Level After Pumping:	80
Recommended Pump Depth:	80
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	35
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934902409
Test Type:	
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934393061
Test Type:	
Test Duration:	30
Test Level:	78
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934653608
Test Type:	
Test Duration:	45
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108834
Test Type:	
Test Duration:	15
Test Level:	64
Test Level UOM:	ft

Water Details

Water ID:	933483097
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1527586	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/30/1993
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1119
Casing Material:		***Form Version:***	1
Audit No:	142181	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10049221	***Elevation:***	
DP2BR:	15	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	17-DEC-93	***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: 931067111
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 126
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931067109
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 107
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931067110
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 107
Formation End Depth: 126
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931067108
Layer: 1
Color:

General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112563
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961527586
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10597791
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085978
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 20
Casing Diameter: 9
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930085979
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 140
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930085977
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:	991527586
Pump Set At:	
Static Level:	28
Final Level After Pumping:	80
Recommended Pump Depth:	90
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934386055
Test Type:	Draw Down
Test Duration:	30
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111239
Test Type:	Draw Down
Test Duration:	15
Test Level:	52
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903754
Test Type:	Draw Down
Test Duration:	60
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655381
Test Type:	Draw Down
Test Duration:	45
Test Level:	67
Test Level UOM:	ft

Water Details

Water ID:	933487091
Layer:	1
Kind Code:	1
Kind:	FRESH

Water Found Depth:	139
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database: ***WWIS***

Well ID:	1525489	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/22/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	69543	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10047227	***Elevation:***	
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	14-MAY-91	***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:	931061330
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931061332

Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 110
Formation End Depth: 200
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061331
Layer: 2
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 110
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111228
Layer: 1
Plug From: 3
Plug To: 40
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525489
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595797
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082685
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:	930082686
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	200
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991525489
Pump Set At:	
Static Level:	
Final Level After Pumping:	150
Recommended Pump Depth:	100
Pumping Rate:	50
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	0
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934104476
Test Type:	
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648672
Test Type:	
Test Duration:	45
Test Level:	150
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388134
Test Type:	
Test Duration:	30
Test Level:	125
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905852
Test Type:	
Test Duration:	60
Test Level:	150
Test Level UOM:	ft

Water Details

Water ID:	933484499
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	198
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database: ***WWIS***

Well ID:	1523747	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Industrial	***Date Received:***	8/4/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	49862	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
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:	10045521	***Elevation:***	
DP2BR:	32	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-JUN-89	***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:	931055593
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	82
Other Materials:	SHALY
Mat3:	
Other Materials:	
Formation Top Depth:	32
Formation End Depth:	250

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:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 32
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
Final Level After Pumping: 100

Recommended Pump Depth:	100
Pumping Rate:	14
Flowing Rate:	
Recommended Pump Rate:	14
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934390332
Test Type:	
Test Duration:	30
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651310
Test Type:	
Test Duration:	45
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106105
Test Type:	
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908516
Test Type:	
Test Duration:	60
Test Level:	100
Test Level UOM:	ft

Water Details

Water ID:	933482122
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

Water Details

Water ID:	933482123
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	225
Water Found Depth UOM:	ft

Well ID:	1528230	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Industrial	***Date Received:***	10/21/1994
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	149882	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER 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:	10049769	***Elevation:***	
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	13-SEP-94	***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:	931069012
Layer:	3
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	74
Other Materials:	LAYERED
Mat3:	80
Other Materials:	POROUS
Formation Top Depth:	8
Formation End Depth:	11
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931069010
Layer:	1
Color:	2
General Color:	GREY

Mat1: 12
Most Common Material: STONES
Mat2: 79
Other Materials: PACKED
Mat3: 73
Other Materials: HARD
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069011
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 2
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069013
Layer: 4
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 103
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113097
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528230
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598339
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930086991
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	103
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930086990
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:	991528230
Pump Set At:	
Static Level:	14
Final Level After Pumping:	103
Recommended Pump Depth:	95
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	4
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934387695
Test Type:	Recovery
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104070
Test Type:	Recovery
Test Duration:	15
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905394
Test Type:	Recovery
Test Duration:	60
Test Level:	14
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648210
Test Type:	Recovery
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933487839
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	25
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1522184	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/1/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	25073	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER 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:	10043997	***Elevation:***	
DP2BR:	23	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08-DEC-87	***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:	931050501
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Other Materials:	MEDIUM-GRAINED
Mat3:	
Other Materials:	
Formation Top Depth:	23
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050500
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	23
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050499
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	79
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522184
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10592567
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930076927
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	30
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930076928
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:	991522184
Pump Set At:	
Static Level:	15
Final Level After Pumping:	30
Recommended Pump Depth:	40
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934109298
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654534
Test Type:	Draw Down
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903366
Test Type:	Draw Down

Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392983
Test Type:	Draw Down
Test Duration:	30
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933479978
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1525009	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/17/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	83375	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10046751	***Elevation:***	
DP2BR:	41	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-AUG-90	***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: 931059738
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 18
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
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 44
Formation End Depth: 45
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
Other Materials: CLAY
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 5
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
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 39
Formation End Depth: 41
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931059740
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	35
Formation End Depth:	39
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
Other Materials:	POROUS
Mat3:	
Other Materials:	
Formation Top Depth:	41
Formation End Depth:	44
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
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	35
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
Final Level After Pumping: 30
Recommended Pump Depth: 40
Pumping Rate: 40
Flowing Rate:
Recommended Pump Rate: 8
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: N

Draw Down & Recovery

Pump Test Detail ID: 934110601
Test Type:
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386008

Test Type:	
Test Duration:	30
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934904161
Test Type:	
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655787
Test Type:	
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933483828
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	44
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1533794	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/19/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	257305	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10537628	***Elevation:***	
DP2BR:	42	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05-JUN-03	***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:	932905765
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	71
Other Materials:	FRACTURED
Formation Top Depth:	42
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905762
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Other Materials:	BOULDERS
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905764
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	30
Formation End Depth:	42
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905763
Layer:	2
Color:	2
General Color:	GREY

Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 8
Formation End Depth: 30
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933236326
Layer: 1
Plug From: 0
Plug To: 49
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961533794
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11086198
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930097646
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 49
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930097647
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 49
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930097648
Layer: 3
Material:
Open Hole or Material:

Depth From:	
Depth To:	83
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991533794
Pump Set At:	
Static Level:	8
Final Level After Pumping:	83
Recommended Pump Depth:	50
Pumping Rate:	50
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934121294
Test Type:	Recovery
Test Duration:	15
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396147
Test Type:	Recovery
Test Duration:	30
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934665427
Test Type:	Recovery
Test Duration:	45
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934913554
Test Type:	Recovery
Test Duration:	60
Test Level:	8
Test Level UOM:	ft

Water Details

Water ID:	934031150
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70

Water Found Depth UOM: ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1521519	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/13/1987
Sec. Water Use:		***Selected Flag:***	Yes
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-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10043341	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-MAR-87	***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:	931048321
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931048320
Layer:	1

Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521519
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591911
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075710
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521519
Pump Set At:	
Static Level:	11
Final Level After Pumping:	17
Recommended Pump Depth:	23
Pumping Rate:	11
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934107001
Test Type:	Draw Down
Test Duration:	15
Test Level:	17
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934652243
Test Type:	Draw Down
Test Duration:	45
Test Level:	17
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908916
Test Type:	Draw Down
Test Duration:	60
Test Level:	17
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390682
Test Type:	Draw Down
Test Duration:	30
Test Level:	17
Test Level UOM:	ft

Water Details

Water ID:	933479119
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	25
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1523075	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/13/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10044881	***Elevation:***	
DP2BR:	1	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	

Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 18-NOV-88
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931053459
Layer: 2
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053460
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 104
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053458
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110092
Layer:	1
Plug From:	3
Plug To:	42
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523075
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10593451
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078513
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:	991523075
Pump Set At:	
Static Level:	1
Final Level After Pumping:	80
Recommended Pump Depth:	60
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934649049
Test Type:	
Test Duration:	45
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388067

Test Type:	
Test Duration:	30
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112649
Test Type:	
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906253
Test Type:	
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933481204
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	103
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***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:***	Yes
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-CARLETON
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	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	18-NOV-86	***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:	931046787
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	164
Formation End Depth:	200
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:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	200
Formation End Depth:	201
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:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931046786
Layer:	2
Color:	3
General Color:	BLUE

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	164
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
Final Level After Pumping:	10
Recommended Pump Depth:	25
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934389615
Test Type:	Draw Down
Test Duration:	30
Test Level:	10
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650628
Test Type:	Draw Down
Test Duration:	45
Test Level:	10
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105377
Test Type:	Draw Down
Test Duration:	15
Test Level:	10
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908275
Test Type:	Draw Down
Test Duration:	60
Test Level:	10
Test Level UOM:	ft

Water Details

Water ID:	933478538
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	201
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1526926	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/20/1992
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3323
Casing Material:		***Form Version:***	1
Audit No:	53294	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10048613	***Elevation:***	
DP2BR:	30	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	

Cluster Kind:
Date Completed: 31-OCT-91
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931065562
Layer: 2
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 15
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065561
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065563
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 120
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112062

Layer: 1
Plug From: 6
Plug To: 32
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526926
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10597183
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085079
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: 991526926
Pump Set At:
Static Level: 26
Final Level After Pumping: 100
Recommended Pump Depth: 100
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934109085
Test Type:
Test Duration: 15
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653649
Test Type:
Test Duration: 45

Test Level:	26
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934910841
Test Type:	
Test Duration:	60
Test Level:	26
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392719
Test Type:	
Test Duration:	30
Test Level:	26
Test Level UOM:	ft

Water Details

Water ID:	933486395
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	115
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 25 ON

Well ID:	1522617	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/16/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10044427	***Elevation:***	
DP2BR:	56	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08-SEP-88	***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:	931052062
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	56
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052060
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052061
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	50
Formation End Depth:	56
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109966
Layer:	1
Plug From:	2
Plug To:	22
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522617
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10592997
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930077698
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

Results of Well Yield Testing

Pump Test ID:	991522617
Pump Set At:	
Static Level:	8
Final Level After Pumping:	35
Recommended Pump Depth:	40
Pumping Rate:	40
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934110949
Test Type:	
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656168
Test Type:	
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934904565
Test Type:	
Test Duration:	60
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386374
Test Type:	
Test Duration:	30
Test Level:	25
Test Level UOM:	ft

Water Details

Water ID:	933480579
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1522941	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Recharge Well	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	18319	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10044748	***Elevation:***	
DP2BR:	40	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-APR-88	***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:	931053021
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	40
Formation End Depth:	103
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053020
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053019
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522941
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593318
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078280
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	103
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930078279
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:	991522941
Pump Set At:	
Static Level:	8
Final Level After Pumping:	90
Recommended Pump Depth:	90
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934112099
Test Type:	
Test Duration:	15
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387522
Test Type:	
Test Duration:	30
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648504
Test Type:	

Test Duration:	45
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905711
Test Type:	
Test Duration:	60
Test Level:	90
Test Level UOM:	ft

Water Details

Water ID:	933481015
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	98
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1520350	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/21/1986
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10042193	***Elevation:***	
DP2BR:	74	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11-SEP-85	***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: 931044490
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 74
Formation End Depth: 150
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044488
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044489
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Other Materials: BOULDERS
Mat3: 81
Other Materials: SANDY
Formation Top Depth: 8
Formation End Depth: 74
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520350
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10590763
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930073647
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930073646
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	76
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520350
Pump Set At:	
Static Level:	65
Final Level After Pumping:	90
Recommended Pump Depth:	125
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934110868
Test Type:	Draw Down
Test Duration:	15
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386714
Test Type:	Draw Down
Test Duration:	30
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648872
Test Type:	Draw Down
Test Duration:	45
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905532
Test Type:	Draw Down
Test Duration:	60
Test Level:	90
Test Level UOM:	ft

Water Details

Water ID:	933477577
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	143
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1519160	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/7/1984
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10041030	***Elevation:***	
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	h	***East83:***	
Code OB Desc:	Mixed in a Layer	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	28-MAY-84	***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:	931040798
Layer:	2

Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931040797
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933108845
Layer: 1
Plug From: 0
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519160
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10589600
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930071639
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991519160
Pump Set At:	
Static Level:	30
Final Level After Pumping:	35
Recommended Pump Depth:	50
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934652671
Test Type:	
Test Duration:	45
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106980
Test Type:	
Test Duration:	15
Test Level:	32
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382138
Test Type:	
Test Duration:	30
Test Level:	34
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901222
Test Type:	
Test Duration:	60
Test Level:	35
Test Level UOM:	ft

Water Details

Water ID:	933476070
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72
Water Found Depth UOM:	ft

Site:
lot 25 ON

Database:
WWIS

Well ID:	1528229	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/21/1994
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	144848	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER 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:	10049768	***Elevation:***	
DP2BR:	13	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	22-SEP-94	***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:	931069008
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Other Materials:	BOULDERS
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931069009
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17

Other Materials: SHALE
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 13
Formation End Depth: 100
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113096
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528229
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598338
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086988
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

Construction Record - Casing

Casing ID: 930086989
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528229
Pump Set At:
Static Level: 14
Final Level After Pumping: 100
Recommended Pump Depth: 90
Pumping Rate: 6
Flowing Rate:

Recommended Pump Rate:	4
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934104069
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387694
Test Type:	Draw Down
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648209
Test Type:	Draw Down
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905393
Test Type:	Draw Down
Test Duration:	60
Test Level:	14
Test Level UOM:	ft

Water Details

Water ID:	933487838
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	30
Water Found Depth UOM:	ft

Site: ***Database:***
lot 25 ON ***WWIS***

Well ID:	1522942	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	18318	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON

Elevation (m):		***Municipality:***	OSGOODE 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:	10044749	***Elevation:***	
DP2BR:	39	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-APR-88	***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:	931053025
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	140
Formation End Depth:	163
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053022
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053023
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	39
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053024
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	39
Formation End Depth:	140
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522942
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593319
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078281
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

Construction Record - Casing

Casing ID:	930078282
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE

Depth From:	
Depth To:	163
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522942
Pump Set At:	
Static Level:	8
Final Level After Pumping:	90
Recommended Pump Depth:	90
Pumping Rate:	25
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934387523
Test Type:	
Test Duration:	30
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648505
Test Type:	
Test Duration:	45
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112100
Test Type:	
Test Duration:	15
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905712
Test Type:	
Test Duration:	60
Test Level:	90
Test Level UOM:	ft

Water Details

Water ID:	933481016
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	158

Water Found Depth UOM: ft

Site:
lot 24 ON

Database:
WWIS

Well ID:	1531523	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/9/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	220248	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10053057	***Elevation:***	
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	24-AUG-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:	931078763
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	5
Formation End Depth:	142
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931078762
Layer:	1

Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116694
Layer:	1
Plug From:	0
Plug To:	30
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531523
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10601627
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930092866
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:	991531523
Pump Set At:	
Static Level:	26
Final Level After Pumping:	45
Recommended Pump Depth:	100
Pumping Rate:	25
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	

Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934112968
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397140
Test Type: Draw Down
Test Duration: 30
Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657658
Test Type: Draw Down
Test Duration: 45
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914966
Test Type: Draw Down
Test Duration: 60
Test Level: 60
Test Level UOM: ft

Water Details

Water ID: 933492002
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 142
Water Found Depth UOM: ft

Site:
lot 24 ON

Database: ***WWIS***

Well ID: 1517129
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):

Data Entry Status:
Data Src: 1
Date Received: 9/24/1979
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 024
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10039009	***Elevation:***	
DP2BR:	45	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	14-JUN-79	***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:	931034218
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931034219
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	35
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931034220
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 45
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961517129
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10587579
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068381
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

Results of Well Yield Testing

Pump Test ID: 991517129
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934382665
Test Type:
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102664

Test Type:	
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901649
Test Type:	
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644168
Test Type:	
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933473551
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	57
Water Found Depth UOM:	ft

Site:
lot 24 ON

Database:
WWIS

Well ID:	1528513	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/16/1995
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	152113	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10050049	***Elevation:***	
DP2BR:	56	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-JUN-95	***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:	931069889
Layer:	4
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	77
Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	35
Formation End Depth:	56
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
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
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
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	35
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
Other Materials: BOULDERS
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 2
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069890
Layer: 5
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 56
Formation End Depth: 60
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: 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

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

Results of Well Yield Testing

Pump Test ID:	991528513
Pump Set At:	
Static Level:	27
Final Level After Pumping:	50
Recommended Pump Depth:	55
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	4
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934388308
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104683
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906007
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648824
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933488219
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58
Water Found Depth UOM:	ft

Site:
lot 24 ON

Database:
WWIS

Well ID:	1518742	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/13/1983
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10040612	***Elevation:***	
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-NOV-83	***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:	931039411
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	48
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:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	17
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931039409
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	17
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
Final Level After Pumping:	25
Recommended Pump Depth:	
Pumping Rate:	45
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	50
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934899579
Test Type:	
Test Duration:	60
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650459
Test Type:	
Test Duration:	45
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380476
Test Type:	
Test Duration:	30
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934103218
Test Type:	
Test Duration:	15
Test Level:	25
Test Level UOM:	ft

Water Details

Water ID:	933475533
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	31
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1525521	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/22/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		***Contractor:***	2348
Casing Material:		***Form Version:***	1
Audit No:	104625	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10047258	***Elevation:***	
DP2BR:	37	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05-JUL-91	***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:	931061448
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	37
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931061446
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	30

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061447
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 37
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111254
Layer: 1
Plug From: 0
Plug To: 37
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525521
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595828
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082734
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: 991525521
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 30
Pumping Rate: 30
Flowing Rate:

Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934104495
Test Type:	
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934648691
Test Type:	
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905871
Test Type:	
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388153
Test Type:	
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933484540
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1534088	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/30/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	257443	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON

Elevation (m):		***Municipality:***	OSGOODE 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:	10543203	***Elevation:***	
DP2BR:	13	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	17-SEP-03	***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:	932925019
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Other Materials:	LAYERED
Mat3:	
Other Materials:	
Formation Top Depth:	13
Formation End Depth:	160
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932925018
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933240975
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961534088
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11091773
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930098246
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930098247
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930098248
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991534088
Pump Set At:	
Static Level:	20
Final Level After Pumping:	140

Recommended Pump Depth:	145
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934113617
Test Type:	Recovery
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934397231
Test Type:	Recovery
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914638
Test Type:	Recovery
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934657191
Test Type:	Recovery
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	934037007
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	150
Water Found Depth UOM:	ft

Site:
lot 24 ON

Database:
WWIS

Well ID:	1521066	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/17/1986
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1

Audit No:	05884	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10042903	***Elevation:***	
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-DEC-86	***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:	931046718
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	05
Other Materials:	CLAY
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931046719
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	100
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109316
Layer:	1
Plug From:	0
Plug To:	39
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521066
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591473
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074892
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:	991521066
Pump Set At:	
Static Level:	7
Final Level After Pumping:	90
Recommended Pump Depth:	95
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934389599
Test Type:	
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650612
Test Type:	
Test Duration:	45
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105360
Test Type:	
Test Duration:	15
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934907839
Test Type:	
Test Duration:	60
Test Level:	90
Test Level UOM:	ft

Water Details

Water ID:	933478514
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	98
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1523895	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/12/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	44248	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10045667	***Elevation:***	
DP2BR:	30	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	

Cluster Kind:
Date Completed: 14-SEP-89
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931056118
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 295
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:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056117
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 30
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
Recommended Pump Depth:	280
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934390886
Test Type:	
Test Duration:	30
Test Level:	250
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651860
Test Type:	
Test Duration:	45

Test Level:	275
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909064
Test Type:	
Test Duration:	60
Test Level:	275
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106657
Test Type:	
Test Duration:	15
Test Level:	200
Test Level UOM:	ft

Water Details

Water ID:	933482333
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	240
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1521778	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/28/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	17456	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10043594	***Elevation:***	
DP2BR:	17	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-SEP-87	***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:	931049116
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049118
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	13
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049119
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Other Materials:	MEDIUM-GRAINED
Mat3:	
Other Materials:	
Formation Top Depth:	17
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049117
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND

Mat2:	91
Other Materials:	WATER-BEARING
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	13
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521778
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10592164
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930076172
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

Construction Record - Casing

Casing ID:	930076171
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:	991521778
Pump Set At:	
Static Level:	10
Final Level After Pumping:	20
Recommended Pump Depth:	30
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934107659
Test Type:	Draw Down
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934652904
Test Type:	Draw Down
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934391203
Test Type:	Draw Down
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934910554
Test Type:	Draw Down
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933479475
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1522474	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/4/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	25564	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10044286	***Elevation:***	
DP2BR:	19	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	13-JUN-88	***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:	931051561
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	64
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931051560
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109905
Layer:	1
Plug From:	2
Plug To:	25
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961522474
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10592856
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077465
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522474
Pump Set At:
Static Level: 11
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934385263
Test Type:
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655628
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904033
Test Type:

Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934110397
Test Type:	
Test Duration:	15
Test Level:	10
Test Level UOM:	ft

Water Details

Water ID:	933480377
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1526143	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/23/1992
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	095189	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10047876	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	25-MAR-92	***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: 931063352
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 08
Other Materials: FINE SAND
Mat3:
Other Materials:
Formation Top Depth: 37
Formation End Depth: 78
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:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 26
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:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 78
Formation End Depth: 80
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:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 26
Formation End Depth: 37
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
Final Level After Pumping:	36
Recommended Pump Depth:	65
Pumping Rate:	45
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	10
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934106735
Test Type:	
Test Duration:	15
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908089
Test Type:	
Test Duration:	60
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650891
Test Type:	
Test Duration:	45
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390369
Test Type:	
Test Duration:	30
Test Level:	36
Test Level UOM:	ft

Water Details

Water ID:	933485362
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1531870	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/23/2001
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	215692	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:	10053404	***Elevation:***	
DP2BR:	35	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	

Cluster Kind:
Date Completed: 24-APR-01
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931079764
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 7
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:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931079767
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 35
Formation End Depth: 120
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:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	25
Formation End Depth:	35
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
Final Level After Pumping:	40
Recommended Pump Depth:	60
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	15
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934398818
Test Type:	Draw Down
Test Duration:	30
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934114646
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934658781
Test Type:	Draw Down
Test Duration:	45
Test Level:	38
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934915532
Test Type:	Draw Down
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933492478
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	118
Water Found Depth UOM:	ft

Site: ***Database:***
lot 24 ON ***WWIS***

Well ID:	1525664	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/21/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	095172	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10047399	***Elevation:***	
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-OCT-91	***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:	931061960
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931061961
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	37
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
Final Level After Pumping: 30
Recommended Pump Depth: 34
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934105039
Test Type: Draw Down
Test Duration: 15
Test Level: 23
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649236
Test Type: Draw Down
Test Duration: 45
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388698
Test Type: Draw Down
Test Duration: 30
Test Level: 28
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906416

Test Type:	Draw Down
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933484714
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	34
Water Found Depth UOM:	ft

Site:
lot 24 ON

Database:
WWIS

Well ID:	1531065	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/31/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	209996	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10052599	***Elevation:***	
DP2BR:	6	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10-MAR-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:	931077401
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	18

Other Materials: SANDSTONE
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 6
Formation End Depth: 143
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077400
Layer: 1
Color: 6
General Color: BROWN
Mat1: 34
Most Common Material: TILL
Mat2: 13
Other Materials: BOULDERS
Mat3: 66
Other Materials: DENSE
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116242
Layer: 1
Plug From: 0
Plug To:
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531065
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10601169
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091930
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 42
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091929
Layer: 1

Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 42
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091931
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 143
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531065
Pump Set At:
Static Level: 35
Final Level After Pumping: 143
Recommended Pump Depth: 100
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934120632
Test Type:
Test Duration: 15
Test Level: 38
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934395487
Test Type:
Test Duration: 30
Test Level: 37
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665186
Test Type:
Test Duration: 45
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934913315
Test Type:	
Test Duration:	60
Test Level:	35
Test Level UOM:	ft

Water Details

Water ID:	933491415
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	130
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:***	Yes
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-CARLETON
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	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	29-JUN-95	***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:	931070689
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11

Most Common Material: GRAVEL
Mat2: 13
Other Materials: BOULDERS
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 17
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070687
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 6
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
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 40
Formation End Depth: 44
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
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 17
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
Final Level After Pumping:	25
Recommended Pump Depth:	35
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934105241
Test Type:	
Test Duration:	15
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649384
Test Type:	
Test Duration:	45
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388867
Test Type:	
Test Duration:	30
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906566
Test Type:	
Test Duration:	60
Test Level:	25
Test Level UOM:	ft

Water Details

Water ID:	933488581
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

Site:
lot 24 ON

Database:
WWIS

Well ID:	1526090	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/4/1992
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3701
Casing Material:		***Form Version:***	1
Audit No:	76375	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:	10047824	***Elevation:***	
DP2BR:	1	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-OCT-90	***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:	931063185
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	77
Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931063186
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Other Materials:	LAYERED
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	103
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111527
Layer:	1
Plug From:	0
Plug To:	40
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961526090
Method Construction Code:	4

Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10596394
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083707
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: 991526090
Pump Set At:
Static Level: 15
Final Level After Pumping: 90
Recommended Pump Depth: 90
Pumping Rate:
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934650841
Test Type:
Test Duration: 45
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908039
Test Type:
Test Duration: 60
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389898
Test Type:
Test Duration: 30
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934106267
Test Type:	
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933485290
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

Site:
lot 24 ON

Database: ***WWIS***

Well ID:	1530764	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	9/1/1999
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	201707	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER 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:	10052298	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	_	***East83:***	
Code OB Desc:	No formation data	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	17-JUL-99	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933115915
Layer:	1

Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115916
Layer:	2
Plug From:	20
Plug To:	40
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115917
Layer:	3
Plug From:	40
Plug To:	60
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530764
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	10600868
Casing No:	1
Comment:	
Alt Name:	

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1519420	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/18/1984
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10041290	***Elevation:***	

DP2BR: 0
Spatial Status:
Code OB: h
Code OB Desc: Mixed in a Layer
Open Hole:
Cluster Kind:
Date Completed: 03-NOV-84
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931041643
Layer: 2
Color: 6
General Color: BROWN
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931041644
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931041642
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933108862
Layer:	1
Plug From:	0
Plug To:	25
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961519420
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10589860
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930072093
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991519420
Pump Set At:	
Static Level:	30
Final Level After Pumping:	55
Recommended Pump Depth:	65
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934653206
Test Type:	
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934383227
Test Type:	
Test Duration:	30
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934893551
Test Type:	
Test Duration:	60
Test Level:	55
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108074
Test Type:	
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933476402
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1521332	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/22/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	05891	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10043154	***Elevation:***	
DP2BR:	2	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	

Cluster Kind:
Date Completed: 05-FEB-87
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931047595
Layer: 2
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047594
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109381
Layer: 1
Plug From: 0
Plug To: 30
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521332
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591724
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930075339
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:	991521332
Pump Set At:	
Static Level:	24
Final Level After Pumping:	40
Recommended Pump Depth:	55
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934106431
Test Type:	
Test Duration:	15
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651677
Test Type:	
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909465
Test Type:	
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390110
Test Type:	
Test Duration:	30
Test Level:	38

Test Level UOM: ft

Water Details

Water ID: 933478839
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 58
Water Found Depth UOM: ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID: 1522320
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 26021
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: 6/2/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 002
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044132
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 16-MAY-88
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931050947
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth: 6
Formation End Depth: 29
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050946
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050949
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Other Materials: COARSE GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 58
Formation End Depth: 61
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050948
Layer: 3
Color: 8
General Color: BLACK
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 29
Formation End Depth: 58
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522320
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10592702
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930077190
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	61
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522320
Pump Set At:	
Static Level:	19
Final Level After Pumping:	51
Recommended Pump Depth:	56
Pumping Rate:	22
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934385829
Test Type:	Draw Down
Test Duration:	30
Test Level:	51
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655078
Test Type:	Draw Down
Test Duration:	45
Test Level:	51
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934109846
Test Type:	Draw Down
Test Duration:	15
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903489
Test Type:	Draw Down

Test Duration:	60
Test Level:	51
Test Level UOM:	ft

Water Details

Water ID:	933480161
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	61
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1534525	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	3/31/2004
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Not A Well	***Abandonment Rec:***	
Water Type:		***Contractor:***	6907
Casing Material:		***Form Version:***	2
Audit No:	265840	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	11097499	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	14-MAR-04	***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:	932942443
Layer:	1
Color:	
General Color:	
Mat1:	24
Most Common Material:	PREV. DRILLED
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 66
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961534525
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11101214
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pump Test ID: 991534525
Pump Set At:
Static Level: 17
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: N

Site: ***Database:*** ***WWIS***
lot 2 ON

Well ID: 1523001
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 37555
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: 11/15/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 002
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044807
DP2BR: 18
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 20-OCT-88
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931053197
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053198
Layer: 2
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 77
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110058
Layer: 1
Plug From: 0
Plug To: 18
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523001
Method Construction Code: 1

Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593377
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930078392
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523001
Pump Set At:
Static Level: 7
Final Level After Pumping: 70
Recommended Pump Depth: 72
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934648562
Test Type: Draw Down
Test Duration: 45
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112157
Test Type: Draw Down
Test Duration: 15
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387999
Test Type: Draw Down
Test Duration: 30
Test Level: 61
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934906187
Test Type:	Draw Down
Test Duration:	60
Test Level:	70
Test Level UOM:	ft

Water Details

Water ID:	933481095
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	67
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1534279	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/7/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	2
Audit No:	263167	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	COM E
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:	11097331	***Elevation:***	
DP2BR:	141	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-SEP-03	***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:	932942002
Layer:	2

Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932942001
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932942003
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 130
Formation End Depth: 141
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932942004
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 141
Formation End Depth: 155
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933245119
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961534279
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11101046
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930832058
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	141
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930832059
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	155
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991534279
Pump Set At:	
Static Level:	35
Final Level After Pumping:	100
Recommended Pump Depth:	140
Pumping Rate:	25
Flowing Rate:	
Recommended Pump Rate:	10
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934397787
Test Type:	Draw Down
Test Duration:	30
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934915194
Test Type:	Draw Down
Test Duration:	60
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934114173
Test Type:	Draw Down
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934657747
Test Type:	Draw Down
Test Duration:	45
Test Level:	100
Test Level UOM:	ft

Water Details

Water ID:	934042515
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	141
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1520567	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/15/1986
Sec. Water Use:		***Selected Flag:***	Yes
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-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10042409	***Elevation:***	
DP2BR:	62	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06-JUN-86	***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:	931045165
Layer:	5
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	62
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045161
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045162
Layer:	2
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 9
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045164
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 53
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045163
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 19
Formation End Depth: 53
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520567
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10590979
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074020
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 63
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991520567
Pump Set At:	
Static Level:	30
Final Level After Pumping:	58
Recommended Pump Depth:	63
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934648346
Test Type:	Draw Down
Test Duration:	45
Test Level:	58
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387323
Test Type:	Draw Down
Test Duration:	30
Test Level:	58
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112460
Test Type:	Draw Down
Test Duration:	15
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906128
Test Type:	Draw Down
Test Duration:	60
Test Level:	58
Test Level UOM:	ft

Water Details

Water ID:	933477846
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1525969	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/6/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	098167	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10047704	***Elevation:***	
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	17-OCT-91	***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:	931062820
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931062821
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:	26
Other Materials:	ROCK
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	8
Formation End Depth:	67
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111463
Layer:	1
Plug From:	0
Plug To:	22
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961525969
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10596274
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930083540
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:	991525969
Pump Set At:	
Static Level:	15
Final Level After Pumping:	30
Recommended Pump Depth:	55
Pumping Rate:	25
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934106164
Test Type:	
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650321
Test Type:	
Test Duration:	45
Test Level:	28
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934389798
Test Type:	
Test Duration:	30
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934907518
Test Type:	
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933485133
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1522674	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/7/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	13180	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10044484	***Elevation:***	
DP2BR:	16	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	15-SEP-88	***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:	931052243
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	16
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052242
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109987
Layer:	1
Plug From:	0
Plug To:	22
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522674

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

Pipe Information

Pipe ID: 10593054
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077798
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: 991522674
Pump Set At:
Static Level: 8
Final Level After Pumping: 42
Recommended Pump Depth: 46
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934656224
Test Type:
Test Duration: 45
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386429
Test Type:
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111004
Test Type:
Test Duration: 15
Test Level: 28

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905041
Test Type:
Test Duration: 60
Test Level: 42
Test Level UOM: ft

Water Details

Water ID: 933480647
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 41
Water Found Depth UOM: ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID: 1518478
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: 9/1/1983
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OSGOODE TOWNSHIP
Site Info:
Lot: 002
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10040348
DP2BR: 19
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11-AUG-83
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931038562

Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931038563
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931038564
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 19
Formation End Depth: 35
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961518478
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10588918
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930070433

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:	991518478
Pump Set At:	
Static Level:	8
Final Level After Pumping:	8
Recommended Pump Depth:	20
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
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:	30
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934103793
Test Type:	Draw Down
Test Duration:	15
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379378
Test Type:	Draw Down
Test Duration:	30
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934640438
Test Type:	Draw Down
Test Duration:	45
Test Level:	8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898481
Test Type:	Draw Down
Test Duration:	60
Test Level:	8
Test Level UOM:	ft

Water Details

Water ID:	933475200
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	29
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	1520677	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/27/1986
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2348
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10042519	***Elevation:***	
DP2BR:	50	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-APR-86	***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:	931045499
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	50
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045498
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	50
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109187
Layer:	1
Plug From:	8
Plug To:	18
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520677
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591089
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074219
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	50
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520677
Pump Set At:	
Static Level:	10
Final Level After Pumping:	50
Recommended Pump Depth:	50
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934112563
Test Type:	Recovery
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387846
Test Type:	Recovery
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649427
Test Type:	Recovery
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934907208
Test Type:	Recovery
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933477996
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	53
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1522713	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Recharge Well	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	27064	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***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:	10044523	***Elevation:***	
DP2BR:	19	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10-AUG-88	***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:	931052368
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052369
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052370
Layer:	3
Color:	1
General Color:	WHITE

Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90
Formation End Depth: 123
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522713
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593093
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077862
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077861
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: 991522713
Pump Set At:
Static Level: 11
Final Level After Pumping: 60
Recommended Pump Depth: 60
Pumping Rate: 50
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1

Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934111042
Test Type:
Test Duration: 15
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386886
Test Type:
Test Duration: 30
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656262
Test Type:
Test Duration: 45
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905079
Test Type:
Test Duration: 60
Test Level: 60
Test Level UOM: ft

Water Details

Water ID: 933480712
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 118
Water Found Depth UOM: ft

Water Details

Water ID: 933480711
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

Site:
lot 2 ON

Database:
WWIS

Well ID: 1520772
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:

Data Entry Status:
Data Src: 1
Date Received: 9/25/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1

Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10042613	***Elevation:***	
DP2BR:	19	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	26-AUG-86	***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:	931045770
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045771
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	45
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520772
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591183
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074373
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	19
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520772
Pump Set At:	
Static Level:	9
Final Level After Pumping:	36
Recommended Pump Depth:	42
Pumping Rate:	17
Flowing Rate:	
Recommended Pump Rate:	12
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934104815
Test Type:	Draw Down
Test Duration:	15
Test Level:	23
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387935
Test Type:	Draw Down
Test Duration:	30
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906591
Test Type:	Draw Down
Test Duration:	60
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649511
Test Type:	Draw Down
Test Duration:	45
Test Level:	36
Test Level UOM:	ft

Water Details

Water ID:	933478117
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	44
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1522712	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	27065	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER 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:			

Bore Hole Information

Bore Hole ID:	10044522	***Elevation:***	
DP2BR:	21	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10-AUG-88	***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:	931052365
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052366
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	21
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052367
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	90
Formation End Depth:	123
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522712
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593092
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930077860
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	123
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930077859
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522712
Pump Set At:	
Static Level:	12
Final Level After Pumping:	60
Recommended Pump Depth:	60
Pumping Rate:	50
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934386885
Test Type:	
Test Duration:	30
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656261
Test Type:	
Test Duration:	45
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111041
Test Type:	

Test Duration:	15
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905078
Test Type:	
Test Duration:	60
Test Level:	60
Test Level UOM:	ft

Water Details

Water ID:	933480709
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Water Details

Water ID:	933480710
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	118
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 2 ON

Well ID:	5602894	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/8/1984
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10375463	***Elevation:***	
DP2BR:	78	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-MAY-84	***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:	932245134
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932245136
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	38
Formation End Depth:	78
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932245137
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	26
Most Common Material:	ROCK
Mat2:	15
Other Materials:	LIMESTONE
Mat3:	
Other Materials:	
Formation Top Depth:	78
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932245135
Layer:	2
Color:	2
General Color:	GREY

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	38
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933185421
Layer:	1
Plug From:	0
Plug To:	24
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965602894
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10924033
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930621207
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

Results of Well Yield Testing

Pump Test ID:	995602894
Pump Set At:	
Static Level:	27
Final Level After Pumping:	80
Recommended Pump Depth:	
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934566260
Test Type:	
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934817022
Test Type:	
Test Duration:	45
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934289923
Test Type:	
Test Duration:	15
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935082765
Test Type:	
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933856837
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	92
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1520782	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/25/1986
Sec. Water Use:		***Selected Flag:***	Yes
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-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10042623	***Elevation:***	
DP2BR:	93	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-JUL-86	***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:	931045801
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	9
Formation End Depth:	87
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045800
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045803
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 93
Formation End Depth: 135
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045802
Layer: 3
Color: 8
General Color: BLACK
Mat1: 31
Most Common Material: COARSE GRAVEL
Mat2: 10
Other Materials: COARSE SAND
Mat3:
Other Materials:
Formation Top Depth: 87
Formation End Depth: 93
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520782
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591193
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074383
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 93
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520782
Pump Set At:
Static Level: 67
Final Level After Pumping: 120
Recommended Pump Depth: 132
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1

Pumping Duration MIN:	10
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934906601
Test Type:	Draw Down
Test Duration:	60
Test Level:	120
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104825
Test Type:	Draw Down
Test Duration:	15
Test Level:	95
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649521
Test Type:	Draw Down
Test Duration:	45
Test Level:	120
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387945
Test Type:	Draw Down
Test Duration:	30
Test Level:	110
Test Level UOM:	ft

Water Details

Water ID:	933478127
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	127
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1521795	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/18/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2348
Casing Material:		***Form Version:***	1
Audit No:	01349	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10043611	***Elevation:***	
DP2BR:	43	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	20-MAY-87	***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:	931049170
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	43
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049168
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049169
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 35
Formation End Depth: 43
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109593
Layer: 1
Plug From: 1
Plug To: 6
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521795
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592181
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076199
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: 991521795
Pump Set At:
Static Level:
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 16
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID:	934910571
Test Type:	
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934653341
Test Type:	
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934391220
Test Type:	
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934107676
Test Type:	
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933479494
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1530271	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/6/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	191058	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10051806	***Elevation:***	
DP2BR:	53	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	25-SEP-98	***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:	931075013
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931075014
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	9
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931075015
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	30

Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075017
Layer: 5
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 53
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075016
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 42
Formation End Depth: 53
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115403
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530271
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10600376
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090274

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	53
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930090275
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991530271
Pump Set At:	
Static Level:	12
Final Level After Pumping:	30
Recommended Pump Depth:	45
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934392846
Test Type:	Recovery
Test Duration:	30
Test Level:	12
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934117862
Test Type:	Recovery
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934662417
Test Type:	Recovery
Test Duration:	45
Test Level:	12
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934910963
Test Type:	Recovery
Test Duration:	60
Test Level:	12
Test Level UOM:	ft

Water Details

Water ID:	933490339
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	53
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1520741	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/25/1986
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10042582	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-AUG-86	***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:	931045681
Layer:	3
Color:	2
General Color:	GREY

Mat1: 28
Most Common Material: SAND
Mat2: 03
Other Materials: MUCK
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 45
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045682
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 73
Other Materials: HARD
Formation Top Depth: 125
Formation End Depth: 134
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045680
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 45
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045679
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109219

Layer:	1
Plug From:	6
Plug To:	45
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520741
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10591152
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074322
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	134
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520741
Pump Set At:	
Static Level:	45
Final Level After Pumping:	115
Recommended Pump Depth:	115
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	7
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933478076
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	135
Water Found Depth UOM:	ft

Site: ***lot 2 ON***

Database: ***WWIS***

Well ID: 1524446

Data Entry Status:

Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/11/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	1
Audit No:	74611	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10046196	***Elevation:***	
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	04-APR-90	***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:	931057947
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	12
Other Materials:	STONES
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931057948
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 250
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110741
Layer: 1
Plug From: 8
Plug To: 40
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524446
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10594766
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080897
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: 991524446
Pump Set At:
Static Level: 90
Final Level After Pumping: 160
Recommended Pump Depth: 240
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934393053

Test Type:
Test Duration: 30
Test Level: 119
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902402
Test Type:
Test Duration: 60
Test Level: 160
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108826
Test Type:
Test Duration: 15
Test Level: 96
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653601
Test Type:
Test Duration: 45
Test Level: 160
Test Level UOM: ft

Water Details

Water ID: 933483085
Layer: 4
Kind Code: 1
Kind: FRESH
Water Found Depth: 230
Water Found Depth UOM: ft

Water Details

Water ID: 933483083
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 190
Water Found Depth UOM: ft

Water Details

Water ID: 933483084
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 210
Water Found Depth UOM: ft

Water Details

Water ID: 933483082
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 160

Water Found Depth UOM: ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	1521459	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/13/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	12550	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10043281	***Elevation:***	
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	16-JUN-87	***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:	931048125
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931048124
Layer:	1

Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521459
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591851
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075580
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	18
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521459
Pump Set At:	
Static Level:	6
Final Level After Pumping:	40
Recommended Pump Depth:	37
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934651769
Test Type:	Draw Down
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106525
Test Type:	Draw Down
Test Duration:	15
Test Level:	28
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390204
Test Type:	Draw Down
Test Duration:	30
Test Level:	39
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908860
Test Type:	Draw Down
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933479033
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	37
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1521524	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/13/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	12528	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10043346	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	

Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 18-JUN-87
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931048333
Layer: 2
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 34
Formation End Depth: 36
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048332
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 34
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521524
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591916
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075715
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

Results of Well Yield Testing

Pump Test ID:	991521524
Pump Set At:	
Static Level:	7
Final Level After Pumping:	20
Recommended Pump Depth:	32
Pumping Rate:	18
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934390687
Test Type:	Draw Down
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934652248
Test Type:	Draw Down
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934107006
Test Type:	Draw Down
Test Duration:	15
Test Level:	18
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908921
Test Type:	Draw Down
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933479124
Layer:	1
Kind Code:	1

Kind:	FRESH
Water Found Depth:	36
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	1521983	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/2/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	17478	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10043796	***Elevation:***	
DP2BR:	47	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08-SEP-87	***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:	931049870
Layer:	3
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Other Materials:	BOULDERS
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	31
Formation End Depth:	47
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931049868
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049871
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Other Materials: MEDIUM-GRAINED
Mat3:
Other Materials:
Formation Top Depth: 47
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049869
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 31
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049872
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 80
Formation End Depth: 100
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961521983
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10592366
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930076543
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	49
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930076544
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521983
Pump Set At:	
Static Level:	25
Final Level After Pumping:	60
Recommended Pump Depth:	75
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934108683
Test Type:	Draw Down
Test Duration:	15
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934653921
Test Type:	Draw Down
Test Duration:	45
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934902894
Test Type:	Draw Down
Test Duration:	60
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392368
Test Type:	Draw Down
Test Duration:	30
Test Level:	60
Test Level UOM:	ft

Water Details

Water ID:	933479719
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	93
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1521334	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/22/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	05886	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10043156	***Elevation:***	
DP2BR:	2	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	

Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 02-FEB-87
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931047599
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047600
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 67
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109383
Layer: 1
Plug From: 0
Plug To: 30
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521334
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10591726
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075341
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	34
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521334
Pump Set At:	
Static Level:	21
Final Level After Pumping:	47
Recommended Pump Depth:	60
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934390112
Test Type:	
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106433
Test Type:	
Test Duration:	15
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909467
Test Type:	
Test Duration:	60
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651679
Test Type:	

Test Duration:	45
Test Level:	45
Test Level UOM:	ft

Water Details

Water ID:	933478841
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1525594	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/12/1991
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	098141	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10047329	***Elevation:***	
DP2BR:	76	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07-AUG-91	***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:	931061722
Layer:	1
Color:	
General Color:	
Mat1:	24
Most Common Material:	PREV. DRILLED
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 76
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061723
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 76
Formation End Depth: 100
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111317
Layer: 1
Plug From: 0
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525594
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595899
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082851
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 25
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525594
Pump Set At:
Static Level: 30

Final Level After Pumping:	80
Recommended Pump Depth:	95
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934388211
Test Type:	
Test Duration:	30
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104553
Test Type:	
Test Duration:	15
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906348
Test Type:	
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649168
Test Type:	
Test Duration:	45
Test Level:	75
Test Level UOM:	ft

Water Details

Water ID:	933484631
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	95
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 2 ON

Well ID:	1520204	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/4/1985
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351

Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10042049	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	27-OCT-85	***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:	931044057
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	228
Formation End Depth:	231
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931044055
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931044056
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	228
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520204
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10590619
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930073387
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	231
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520204
Pump Set At:	
Static Level:	100
Final Level After Pumping:	130
Recommended Pump Depth:	150
Pumping Rate:	40
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934656008
Test Type:	
Test Duration:	45
Test Level:	130
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934377254
Test Type:	
Test Duration:	30
Test Level:	130
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111434
Test Type:	
Test Duration:	15
Test Level:	130
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934904977
Test Type:	
Test Duration:	60
Test Level:	130
Test Level UOM:	ft

Water Details

Water ID:	933477385
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	231
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1522099	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/14/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	08680	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10043912	***Elevation:***	
DP2BR:	43	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10-DEC-87	***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:	931050254
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	43
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050252
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050253
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	

Formation Top Depth: 25
Formation End Depth: 43
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050255
Layer: 4
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 230
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522099
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592482
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076752
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: 930076753
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: 991522099
Pump Set At:

Static Level:	25
Final Level After Pumping:	80
Recommended Pump Depth:	80
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934108794
Test Type:	
Test Duration:	15
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392898
Test Type:	
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934902304
Test Type:	
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654031
Test Type:	
Test Duration:	45
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933479863
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	225
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1524802	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/24/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	69470	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10046549	***Elevation:***	
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	23-AUG-90	***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:	931059150
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059151
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	8

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059152
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 245
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110962
Layer: 1
Plug From: 0
Plug To: 40
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524802
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595119
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081502
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 41
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524802
Pump Set At:
Static Level: 100
Final Level After Pumping: 215
Recommended Pump Depth: 230
Pumping Rate: 10
Flowing Rate:

Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934655173
Test Type:	Draw Down
Test Duration:	45
Test Level:	215
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934109985
Test Type:	Draw Down
Test Duration:	15
Test Level:	150
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903549
Test Type:	Draw Down
Test Duration:	60
Test Level:	215
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934385394
Test Type:	Draw Down
Test Duration:	30
Test Level:	190
Test Level UOM:	ft

Water Details

Water ID:	933483556
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	242
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1524801	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/24/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	69471	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON

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:			

Bore Hole Information

Bore Hole ID:	10046548	***Elevation:***	
DP2BR:	40	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	29-AUG-90	***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:	931059149
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	26
Other Materials:	ROCK
Mat3:	
Other Materials:	
Formation Top Depth:	40
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059148
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	24
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931059146
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059147
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 24
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110961
Layer: 1
Plug From: 0
Plug To: 40
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524801
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595118
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081501
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:	991524801
Pump Set At:	
Static Level:	8
Final Level After Pumping:	40
Recommended Pump Depth:	40
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	10
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934655172
Test Type:	
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903548
Test Type:	
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934385393
Test Type:	
Test Duration:	30
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934109984
Test Type:	
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933483555
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48
Water Found Depth UOM:	ft

Well ID:	1523734	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/4/1989
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Recharge Well	**Abandonment Rec:**	
Water Type:		**Contractor:**	3644
Casing Material:		**Form Version:**	1
Audit No:	49852	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10045508	**Elevation:**	
DP2BR:	41	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	20-JUN-89	**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:	931055559
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	41
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055560
Layer:	2
Color:	2
General Color:	GREY

Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	41
Formation End Depth:	84
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523734
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10594078
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930079643
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930079644
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	84
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523734
Pump Set At:	
Static Level:	15
Final Level After Pumping:	80
Recommended Pump Depth:	80
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1

Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934908503
Test Type:
Test Duration: 60
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651297
Test Type:
Test Duration: 45
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390319
Test Type:
Test Duration: 30
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106092
Test Type:
Test Duration: 15
Test Level: 80
Test Level UOM: ft

Water Details

Water ID: 933482105
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55
Water Found Depth UOM: ft

Water Details

Water ID: 933482106
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 77
Water Found Depth UOM: ft

Site:
lot 2 ON

Database:
WWIS

Well ID: 1522274
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: 5/12/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 3749
Form Version: 1

Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10044087	***Elevation:***	
DP2BR:	7	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	28-NOV-87	***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:	931050781
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	252
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050780
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	7
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050779
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109784
Layer:	1
Plug From:	0
Plug To:	40
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522274
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10592657
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930077109
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:	991522274
Pump Set At:	
Static Level:	29
Final Level After Pumping:	38
Recommended Pump Depth:	240
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	8
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: N

Draw Down & Recovery

Pump Test Detail ID: 934655034
Test Type:
Test Duration: 45
Test Level: 38
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385785
Test Type:
Test Duration: 30
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903449
Test Type:
Test Duration: 60
Test Level: 38
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109802
Test Type:
Test Duration: 15
Test Level: 29
Test Level UOM: ft

Water Details

Water ID: 933480100
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 205
Water Found Depth UOM: ft

Water Details

Water ID: 933480099
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 140
Water Found Depth UOM: ft

Water Details

Water ID: 933480101
Layer: 3
Kind Code: 1

Kind:	FRESH
Water Found Depth:	245
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	1529774	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/11/1997
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	184956	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10051309	***Elevation:***	
DP2BR:	48	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	21-NOV-97	***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:	931073783
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	25
Formation End Depth:	48
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931073782
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 12
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931073784
Layer: 4
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Other Materials: POROUS
Mat3:
Other Materials:
Formation Top Depth: 48
Formation End Depth: 87
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931073781
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114843
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529774
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10599879
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930089577
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:	930089578
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	87
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991529774
Pump Set At:	
Static Level:	25
Final Level After Pumping:	82
Recommended Pump Depth:	85
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	3
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934391687
Test Type:	Recovery
Test Duration:	30
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934116713
Test Type:	Recovery
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909805
Test Type:	Recovery
Test Duration:	60
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660849
Test Type:	Recovery
Test Duration:	45
Test Level:	25
Test Level UOM:	ft

Water Details

Water ID:	933489830
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	48
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1531630	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/4/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	1
Audit No:	200311	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10053164	***Elevation:***	
DP2BR:	3	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	18-AUG-99	***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:	931079079
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079080
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	330
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116801
Layer:	1
Plug From:	6
Plug To:	42
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531630
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10601734
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930093097

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:	991531630
Pump Set At:	
Static Level:	62
Final Level After Pumping:	330
Recommended Pump Depth:	320
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934658175
Test Type:	Recovery
Test Duration:	45
Test Level:	173
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934397657
Test Type:	Recovery
Test Duration:	30
Test Level:	202
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934114041
Test Type:	Recovery
Test Duration:	15
Test Level:	279
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934915066
Test Type:	Recovery
Test Duration:	60
Test Level:	152
Test Level UOM:	ft

Water Details

Water ID:	933492169
Layer:	2

Kind Code:	1
Kind:	FRESH
Water Found Depth:	284
Water Found Depth UOM:	ft

Water Details

Water ID:	933492170
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	318
Water Found Depth UOM:	ft

Water Details

Water ID:	933492168
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	210
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	1531602	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/12/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	1
Audit No:	221947	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10053136	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-JUN-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:	931078977
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	289
Formation End Depth:	296
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931078975
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931078976
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	77
Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	110
Formation End Depth:	289
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116774
Layer:	1
Plug From:	0
Plug To:	40
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531602
Method Construction Code:	4

Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601706
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930093049
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: 991531602
Pump Set At:
Static Level: 64
Final Level After Pumping: 276
Recommended Pump Depth: 280
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934397632
Test Type: Recovery
Test Duration: 30
Test Level: 174
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658150
Test Type: Recovery
Test Duration: 45
Test Level: 128
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934915041
Test Type: Recovery
Test Duration: 60
Test Level: 97
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934114016
Test Type:	Recovery
Test Duration:	15
Test Level:	205
Test Level UOM:	ft

Water Details

Water ID:	933492130
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	296
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1533938	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Commerical	***Date Received:***	7/9/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	263122	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10543053	***Elevation:***	
DP2BR:	71	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	24-JUN-03	***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:	932924634
Layer:	3

Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 12
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924633
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924632
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924635
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 60
Formation End Depth: 71
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932924636
Layer:	5
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	71
Formation End Depth:	100
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933240829
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961533938
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11091623
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930097908
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:	930097909
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:	991533938
Pump Set At:	
Static Level:	15
Final Level After Pumping:	80
Recommended Pump Depth:	90
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934396679
Test Type:	Draw Down
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934113065
Test Type:	Draw Down
Test Duration:	15
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914086
Test Type:	Draw Down
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656639
Test Type:	Draw Down
Test Duration:	45
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	934036777
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1524215	***Data Entry Status:***	
Construction Date:		***Data Src:***	1

Primary Water Use:	Domestic	***Date Received:***	1/26/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	56266	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10045987	***Elevation:***	
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	16-AUG-89	***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:	931057193
Layer:	1
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	210
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961524215
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10594557

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080526
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: 991524215
Pump Set At:
Static Level: 35
Final Level After Pumping: 80
Recommended Pump Depth: 80
Pumping Rate: 100
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934107796
Test Type:
Test Duration: 15
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392025
Test Type:
Test Duration: 30
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652995
Test Type:
Test Duration: 45
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910195
Test Type:
Test Duration: 60

Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933482780
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	205
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1522419	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/4/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	13751	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10044231	***Elevation:***	
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	31-MAY-88	***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:	931051371
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	05
Other Materials:	CLAY
Mat3:	

Other Materials:
Formation Top Depth: 6
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051370
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051372
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 84
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109885
Layer: 1
Plug From: 0
Plug To: 24
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522419
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10592801
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930077359
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522419
Pump Set At:	
Static Level:	16
Final Level After Pumping:	65
Recommended Pump Depth:	75
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934109923
Test Type:	
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655151
Test Type:	
Test Duration:	45
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934385208
Test Type:	
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903978
Test Type:	
Test Duration:	60
Test Level:	65
Test Level UOM:	ft

Water Details

Water ID:	933480310
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	82
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1521322	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/22/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	05900	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10043144	***Elevation:***	
DP2BR:	24	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-MAY-87	***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:	931047568
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	24
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931047569
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	
Other Materials:	
Formation Top Depth:	24
Formation End Depth:	41
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931047567
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109371
Layer:	1
Plug From:	0
Plug To:	24
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521322
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591714
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075329
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	

Depth To:	24
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521322
Pump Set At:	
Static Level:	8
Final Level After Pumping:	16
Recommended Pump Depth:	22
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934909455
Test Type:	
Test Duration:	60
Test Level:	16
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106001
Test Type:	
Test Duration:	15
Test Level:	12
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651667
Test Type:	
Test Duration:	45
Test Level:	16
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390100
Test Type:	
Test Duration:	30
Test Level:	14
Test Level UOM:	ft

Water Details

Water ID:	933478829
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1520771	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/25/1986
Sec. Water Use:		***Selected Flag:***	Yes
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-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10042612	***Elevation:***	
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	26-AUG-86	***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:	931045768
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045769
Layer:	2
Color:	3

General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	27
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520771
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591182
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074372
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:	991520771
Pump Set At:	
Static Level:	8
Final Level After Pumping:	22
Recommended Pump Depth:	24
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	25
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934387934
Test Type:	Draw Down
Test Duration:	30
Test Level:	22
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649510
Test Type:	Draw Down
Test Duration:	45
Test Level:	22
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906590
Test Type:	Draw Down
Test Duration:	60
Test Level:	22
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104814
Test Type:	Draw Down
Test Duration:	15
Test Level:	19
Test Level UOM:	ft

Water Details

Water ID:	933478116
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	26
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1534236	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/20/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	257416	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10543351	***Elevation:***	
DP2BR:	34	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	

Open Hole:
Cluster Kind:
Date Completed: 10-OCT-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932925412
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 14
Formation End Depth: 34
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932925411
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 05
Other Materials: CLAY
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 2
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932925413
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 34
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932925410
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933241093
Layer:	1
Plug From:	0
Plug To:	39
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961534236
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11091921
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930098478
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:	930098477
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 930098476
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991534236
Pump Set At:
Static Level: 10
Final Level After Pumping: 100
Recommended Pump Depth: 105
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934915166
Test Type: Recovery
Test Duration: 60
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657719
Test Type: Recovery
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397759
Test Type: Recovery
Test Duration: 30
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934114145
Test Type: Recovery
Test Duration: 15
Test Level: 90
Test Level UOM: ft

Water Details

Water ID: 934037198

Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105
Water Found Depth UOM:	ft

Water Details

Water ID:	934037197
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database:
WWIS

Well ID:	1534090	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/8/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	249121	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10543205	***Elevation:***	
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10-JUL-03	***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:	932925023
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN

Mat2: 05
Other Materials: CLAY
Mat3: 12
Other Materials: STONES
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932925024
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3: 73
Other Materials: HARD
Formation Top Depth: 18
Formation End Depth: 87
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933240977
Layer: 1
Plug From: 0
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961534090
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11091775
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930098252
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: 991534090

Pump Set At:	
Static Level:	15
Final Level After Pumping:	67
Recommended Pump Depth:	80
Pumping Rate:	80
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934397233
Test Type:	Draw Down
Test Duration:	30
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934657193
Test Type:	Draw Down
Test Duration:	45
Test Level:	67
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914640
Test Type:	Draw Down
Test Duration:	60
Test Level:	67
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934113619
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	934037009
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1523047	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/13/1988
Sec. Water Use:		***Selected Flag:***	Yes

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	44188	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10044853	***Elevation:***	
DP2BR:	6	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	15-NOV-88	***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:	931053347
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	58
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931053345
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	0

Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053346
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053348
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 70
Formation End Depth: 275
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110082
Layer: 1
Plug From: 2
Plug To: 44
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523047
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593423
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930078466

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:	991523047
Pump Set At:	
Static Level:	80
Final Level After Pumping:	125
Recommended Pump Depth:	200
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934388043
Test Type:	
Test Duration:	30
Test Level:	120
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112622
Test Type:	
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649025
Test Type:	
Test Duration:	45
Test Level:	125
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934906230
Test Type:	
Test Duration:	60
Test Level:	125
Test Level UOM:	ft

Water Details

Water ID:	933481151
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	274
Water Found Depth UOM:	ft

Site:
lot 2 ON

Database: ***WWIS***

Well ID:	1530885	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/7/1999
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	208491	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	LI
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:	10052419	***Elevation:***	
DP2BR:	27	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	28-OCT-99	***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:	931076864
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	79
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	23
Formation End Depth:	27
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931076862
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076863
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 23
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076865
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 27
Formation End Depth: 60
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116058
Layer: 1
Plug From: 0
Plug To: 28
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530885
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID:	10600989
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930091534
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	29
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930091535
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:	991530885
Pump Set At:	
Static Level:	17
Final Level After Pumping:	20
Recommended Pump Depth:	40
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934663638
Test Type:	
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386238
Test Type:	
Test Duration:	30

Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903790
Test Type:	
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934119500
Test Type:	
Test Duration:	15
Test Level:	58
Test Level UOM:	ft

Water Details

Water ID:	933491168
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	50
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 2 ON

Well ID:	1523769	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/8/1984
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
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:			

Bore Hole Information

Bore Hole ID:	10045543	***Elevation:***	
DP2BR:	78	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-MAY-84	***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:	931055654
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055657
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	26
Most Common Material:	ROCK
Mat2:	15
Other Materials:	LIMESTONE
Mat3:	
Other Materials:	
Formation Top Depth:	78
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055655
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	38
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055656
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL

Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	38
Formation End Depth:	78
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110419
Layer:	1
Plug From:	0
Plug To:	24
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523769
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10594113
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930079705
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

Results of Well Yield Testing

Pump Test ID:	991523769
Pump Set At:	
Static Level:	27
Final Level After Pumping:	80
Recommended Pump Depth:	
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934106125
Test Type:	
Test Duration:	15
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390773
Test Type:	
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651328
Test Type:	
Test Duration:	45
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908534
Test Type:	
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933482163
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	92
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1523735	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/4/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	49853	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10045509	***Elevation:***	
DP2BR:	41	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	24-JUN-89	***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:	931055561
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	41
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055562
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	41
Formation End Depth:	63
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523735
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10594079
Casing No:	1
Comment:	

Alt Name:

Construction Record - Casing

Casing ID:	930079646
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	63
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930079645
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:	991523735
Pump Set At:	
Static Level:	16
Final Level After Pumping:	35
Recommended Pump Depth:	35
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934651298
Test Type:	
Test Duration:	45
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934908504
Test Type:	
Test Duration:	60
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390320

Test Type:	
Test Duration:	30
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106093
Test Type:	
Test Duration:	15
Test Level:	35
Test Level UOM:	ft

Water Details

Water ID:	933482107
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	57
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1530015	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/14/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1414
Casing Material:		***Form Version:***	1
Audit No:	187322	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE 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:			

Bore Hole Information

Bore Hole ID:	10051550	***Elevation:***	
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06-MAY-98	***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:	931074208
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	11
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931074209
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Other Materials:	LAYERED
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	103
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931074207
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	11
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115131
Layer:	1
Plug From:	0
Plug To:	33
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530015
Method Construction Code:	4
Method Construction:	Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID:	10600120
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930089810
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	103
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930089809
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	33
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991530015
Pump Set At:	
Static Level:	18
Final Level After Pumping:	100
Recommended Pump Depth:	80
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934661367
Test Type:	Recovery
Test Duration:	45
Test Level:	18
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909906
Test Type:	Recovery

Test Duration:	60
Test Level:	18
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934117231
Test Type:	Recovery
Test Duration:	15
Test Level:	39
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392209
Test Type:	Recovery
Test Duration:	30
Test Level:	18
Test Level UOM:	ft

Water Details

Water ID:	933490026
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	95
Water Found Depth UOM:	ft

Site: ***Database:***
lot 2 ON ***WWIS***

Well ID:	1520231	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/18/1985
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2348
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10042076	***Elevation:***	
DP2BR:	30	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	04-OCT-85	***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:	931044136
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931044137
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	30
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931044135
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933109062
Layer:	1
Plug From:	8
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520231
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10590646
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930073426
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	30
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520231
Pump Set At:	
Static Level:	10
Final Level After Pumping:	20
Recommended Pump Depth:	30
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934656034
Test Type:	Recovery
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934377280
Test Type:	Recovery
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111460
Test Type:	Recovery
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905003
Test Type:	Recovery
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933477417
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	34
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 2018

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-Nov 2016

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

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-Jul 31, 2018

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017

Chemical Register: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jul 31, 2018

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 - Dec 2018

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 2018

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-Jan 31, 2019

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 - Oct 2018

Dry Cleaning Facilities: Federal DRYCLEANERS

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2017

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-Jan 31, 2019

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-Jan 31, 2019

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-Jan 31, 2019

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, 2019

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

List of TSSA Expired Facilities: Provincial EXP

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: Jun 2000-Oct 2018

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 2017

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Dec 31, 2018

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 2016

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*

TSSA Incidents: Provincial INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Sep 30, 2017

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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Jan 2018

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, 2016

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 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-Sep 30, 2018

National Energy Board Wells: Federal NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): 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 OGW

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-Nov 30, 2018

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-May 2018

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-Jan 31, 2019

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Mar 2018

TSSA Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Jan 31, 2019

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2019

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-Jul 31, 2018

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Dec 2018

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Jan 31, 2019

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Dec 31, 2017

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 F

MECP FOI Search Request

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

Requester Data			**For Ministry Use Only**	
Name, Title, Company Name and Mailing Address of Requester Julie Roy Pinchin Ltd. 1 Hines Road, Suite 200 Kanata, Ontario K2K 3C7 For questions or concerns please contact **Julie Roy** at: jroy@pinchin.com			FOI Request No. Date Request Received Response Due Date	FOI Co-ordinator Review date Fee Paid ~ ACCT ~ CHQ ☑ VISA ~ CASH
Telephone/Fax Nos. Tel: (613) 592-3387 ext 1833 Fax (613) 592-5897	Your Project/Reference No. 233280	Signature of Requester J Roy	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐	

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions**)

5592 5606 and 5630 Boundary Road and 9460 Mitch Owens Road Ottawa ON (One Site)

Present Property Owner(s) and Date(s) of Ownership

The City of Ottawa, and 6613926 Canada Inc.

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	ALL
Orders	ALL
Spills	ALL
Investigations/prosecutions ▸ Owner/tenant information must be provided	**ALL**
Waste Generator number/classes	**ALL**

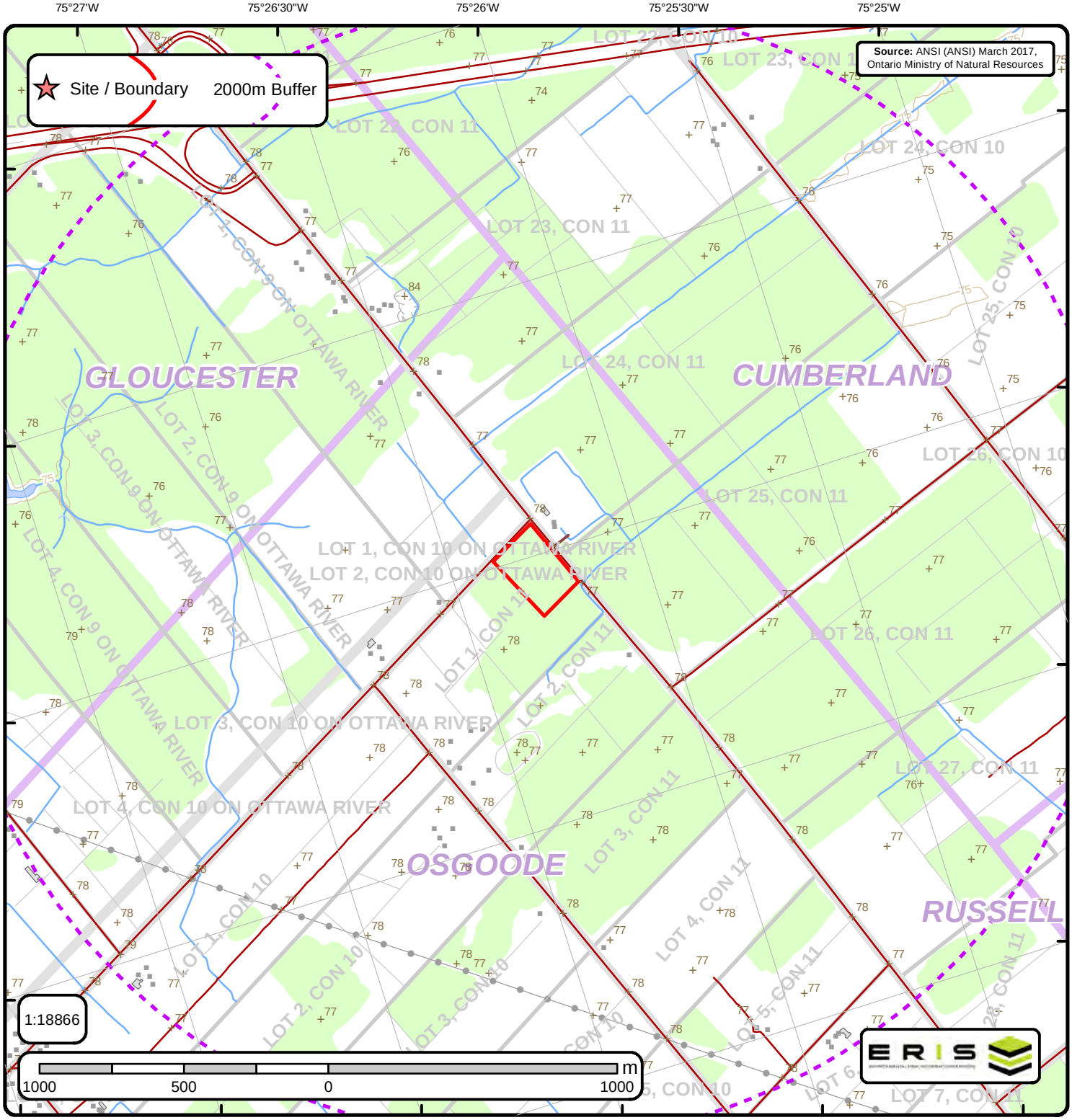
Certificates of Approval ▸ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, hydrogeological reports, etc.

		SD	**Specify Year(s) Requested**
air – *emissions*			
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*			
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*			
waste water - *industrial discharge*			
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator sites*			
waste systems	*- haulers: sewage, non-hazardous & hazardous waste*		
	- mobile waste processing units		
	- PCB destruction		
pesticides - *licenses*			

APPENDIX G

Maps



Area of Natural & Scientific Interest (ANSI) Order No. 20190214048

Spot Height	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	ANSI Area

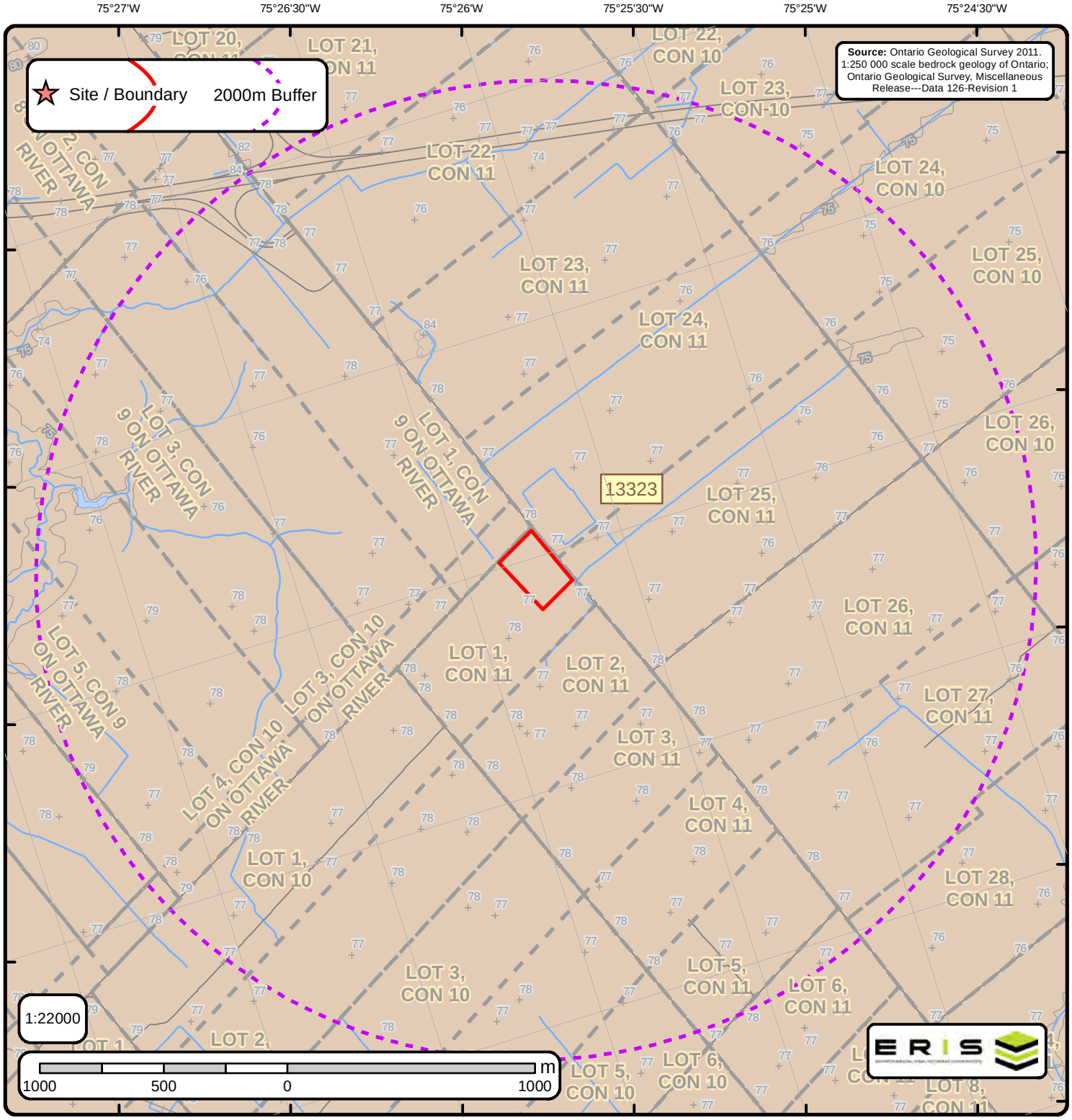
ANSI Report

ANSI Units Found within 2000 m of

5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Order ID:
20190214048

No ANSI units found within search area.



Bedrock Geology of Ontario

Order No. 20190214048

Spot Height
Roads
Contour Lines
Streams
Railroads
Lots
Pit or Quarry
Airports
Waterbody
Wetlands

Bedrock Geology Lines

- CONTACT, GEOPHYSICAL, TREND, INTERPRETED
- CONTACT, SHARP, TREND, INTERPRETED
- CONTACT, SHARP, TREND, OBSERVED
- FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- NEATLINE
- ONTARIO BORDER
- Marble, chert, iron formation, minor metavolcanic rocks

Dikes

- Abitibi mafic dike
- Biscotasing mafic dike
- Empey Lake mafic dike
- Felsic to intermediate intrusive rocks
- Fort Frances mafic dike
- Frontenac mafic dike
- Grenville mafic dike
- Logan and Nipigon mafic sills
- Mackenzie mafic dike
- Mafic dikes of uncertain age
- Mafic sills and dikes
- Marathon mafic dike
- Marathon, Kapuskasing or Biscotasing mafic dike
- Matachewan mafic dike
- Mine Centre mafic dike
- Molson mafic dike
- North Channel mafic dike
- Pickle Crow mafic dike (Molson swarm) normal
- Pickle Crow mafic dike (Molson swarm) reverse
- Rideau mafic dike
- Sudbury mafic dike
- Ultramafic, gabbroic and granophyric intrusions
- Unsubdivided mafic dike
- Unsubdivided mafic dike (Keweenawan age)
- unknown

C Lines

- FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION
- FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION

Kimberlite

Bedrock Geology Report

Bedrock Geology units found within 2000 m of

5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Order ID: 20190214048

ID: 13323 | **Unit Name:** |

Type (All): 55b | **Type (Primary):** 55b | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Strata (Primary):** Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**

Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126 Revision1

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

```
Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)
```

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

```
PRECAMBRIAN (0.542 Ga to <3.85 Ga)
```

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

```
ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)
```

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

```
MESOARCHEAN (2.8 Ga to 3.2 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)
MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOZOIC (251.0 Ma to 542.0 Ma)
MESOZOIC (65.5 Ma to 251.0 Ma)
```

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

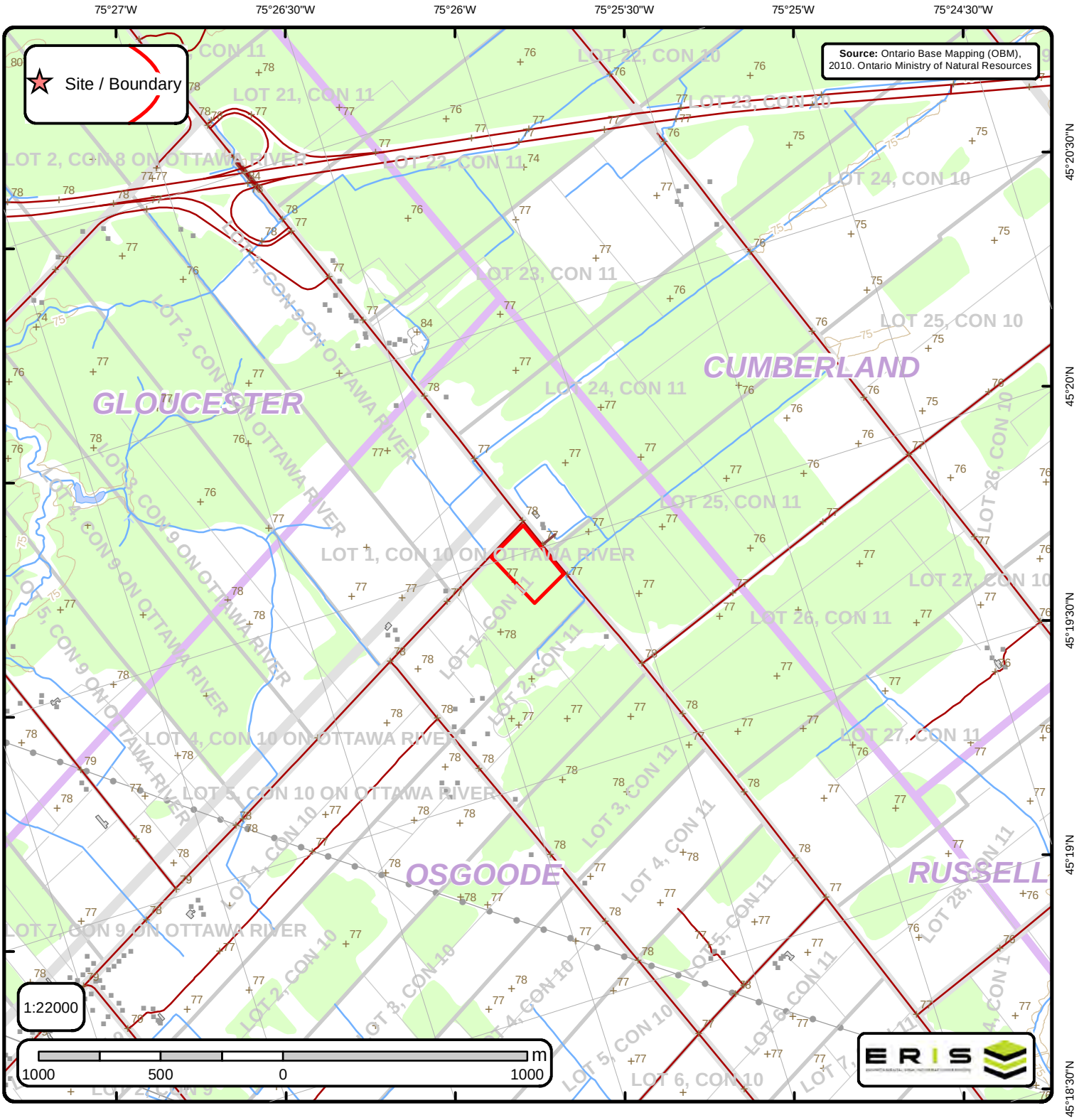
```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

```
LOWER ORDOVICIAN
MIDDLE ORDOVICIAN
UPPER ORDOVICIAN
MIDDLE AND LOWER SILURIAN
UPPER SILURIAN TO LOWER DEVONIAN
UPPER SILURIAN
LOWER DEVONIAN
MIDDLE DEVONIAN
UPPER DEVONIAN
LOWER CRETACEOUS AND MIDDLE JURASSIC
```

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

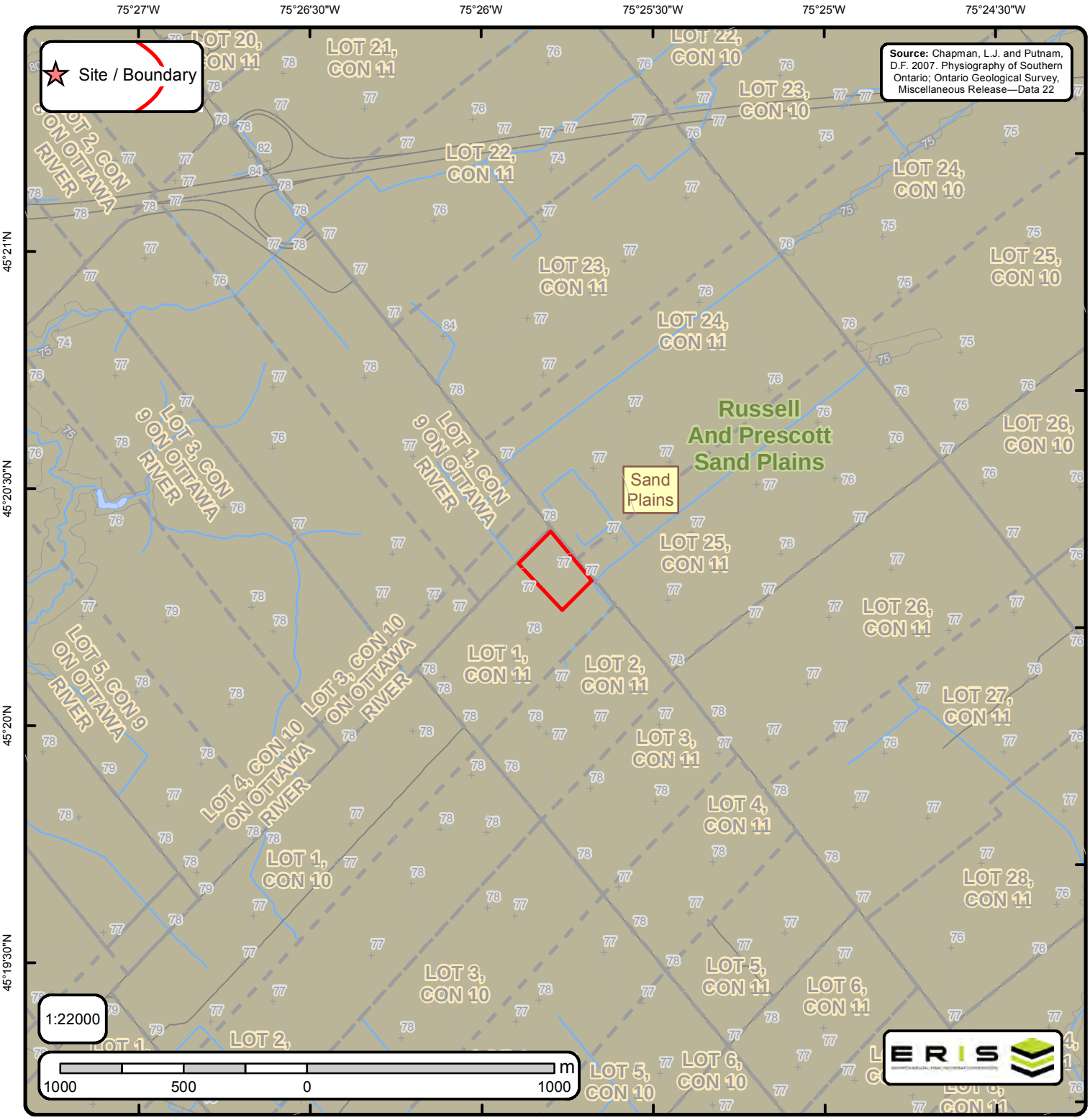
```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```



Ontario Base Mapping (OBM) Data

Order No. 20190214048

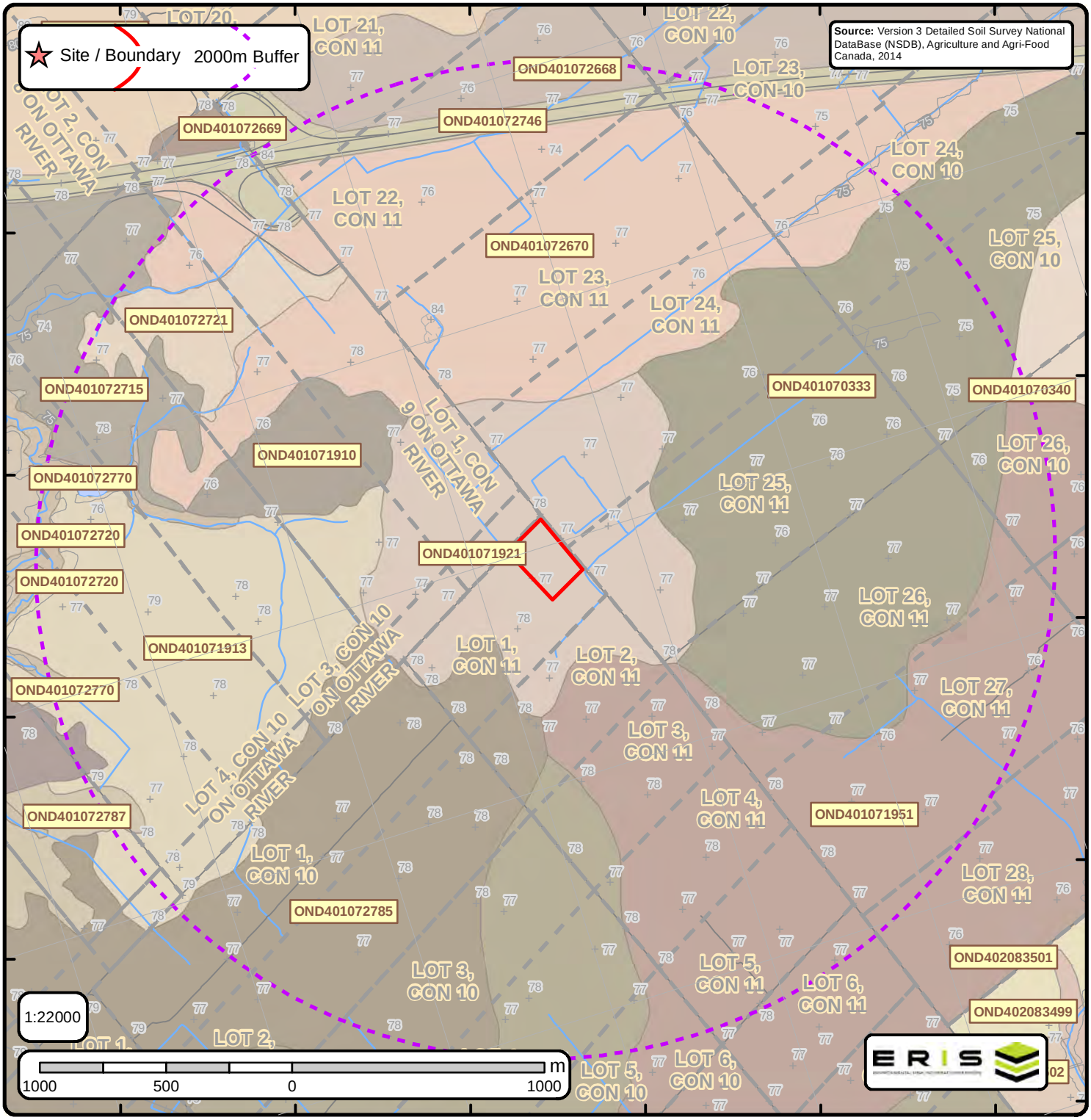
Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	



Physiography of Southern Ontario

Order No. 20190214048

Spot Height	Lots	Boulder Pavement	Bare Rock Ridges And Shallow Till	Peat And Muck
Roads	Pit or Quarry	Dissected Terrain	Beaches	Sand Plains
Railroads	Airports	Mud Flow Scars	Bevelled Till Plains	Shale Plains
Contour Lines	Wetlands	Sand Dunes	Clay Plains	Shallow Till And Rock Ridges
Streams	Waterbody	escarpment	Drumlins	Spillways
		shorecliff	Escarpments	Till Moraines
		shorecliff (weakly developed)	Eskers	Till Plains (Drumlinized)
		Physiography Regions	Kame Moraines	Till Plains (Undrumlinized)
			Limestone Plains	



Detailed Soil Survey (ON Soils)

Order No. 20190214048

+	Spot Height		Lots
	Railroads		Pit or Quarry
	Roads		Airports
	Contour Lines		Wetlands
	Streams		Waterbody

Soils Report

Soil Map Units Found within 2000 m of

5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Order ID: 20190214048

Soil ID: OND401071951

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071951

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071940

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONRSL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 86 | **Total Silt(%)** : 10 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 6.641 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-31 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 93 | **Total Silt(%)** : 6 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 9.187 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 31-53 | **Horizon** : BCgj | **Layer No** : 3 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 4.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 53-100 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 1 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 7.845 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Soil ID: OND401071940
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCNB~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 25 | **Total Silt(%)** : 61 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.687 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 21-50 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 16 | **Total Silt(%)** : 74 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.395 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-74 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 26 | **Total Silt(%)** : 67 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.047 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 74-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 10 | **Total Silt(%)** : 80 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.259 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072788
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072770
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZER~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Soil ID: OND401072670
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCEY~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : None | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : OND401072670-ONCEY~~~~~A | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 64 | **Total Silt(%)** : 20 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 7.8 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.9 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 19-30 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 87 | **Total Silt(%)** : 10 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.2 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 30-50 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 24 | **Total Sand(%)** : 87 | **Total Silt(%)** : 8 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 4.4 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 88 | **Total Silt(%)** : 8 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 7.9 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072670
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCEY~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -11-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 44.1 | **pH in Calc Chloride** : 4.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-8 | **Horizon** : Ah | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 59 | **Total Silt(%)** : 24 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 12.9 | **pH in Calc Chloride** : 4.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.423 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 8-15 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.4 | **Saturated Hydraulic Conductivity(cm/h)** : 6.892 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-20 | **Horizon** : Bfjgj | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.549 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-40 | **Horizon** : Bgf | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.194 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 40-65 | **Horizon** : Bgf | **Layer No** : 6 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 90 | **Total Silt(%)** : 4 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.459 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 65-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 98 |

Soil ID: OND401072785
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
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Soil ID: OND401072785
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072787
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCNB~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 25 | **Total Silt(%)** : 61 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.687 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 21-50 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 16 | **Total Silt(%)** : 74 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.395 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-74 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 26 | **Total Silt(%)** : 67 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.047 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 74-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 10 | **Total Silt(%)** : 80 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.259 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072787
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
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Soil ID: OND401071910
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071910
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072715
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSHO~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : -5-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 40.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 83 | **Total Silt(%)** : 9 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 10.3 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 2.981 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 4-26 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.598 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 26-64 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 95 | **Total Silt(%)** : 4 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.996 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 64-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 99 | **Total Silt(%)** : 0 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 7.865 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
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Soil ID: OND401072715
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCEY~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -11-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 44.1 | **pH in Calc Chloride** : 4.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-8 | **Horizon** : Ah | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 59 | **Total Silt(%)** : 24 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 12.9 | **pH in Calc Chloride** : 4.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.423 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 8-15 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.4 | **Saturated Hydraulic Conductivity(cm/h)** : 6.892 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-20 | **Horizon** : Bfjgj | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.549 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-40 | **Horizon** : Bgf | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.194 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 40-65 | **Horizon** : Bgf | **Layer No** : 6 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 90 | **Total Silt(%)** : 4 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.459 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 65-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 98 |

Soil ID: OND401072746
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONCEY~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -11-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 44.1 | **pH in Calc Chloride** : 4.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-8 | **Horizon** : Ah | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 59 | **Total Silt(%)** : 24 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 12.9 | **pH in Calc Chloride** : 4.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.423 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 8-15 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.4 | **Saturated Hydraulic Conductivity(cm/h)** : 6.892 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-20 | **Horizon** : Bfjgj | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.549 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-40 | **Horizon** : Bgf | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.194 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 40-65 | **Horizon** : Bgf | **Layer No** : 6 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 90 | **Total Silt(%)** : 4 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.459 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 65-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 98 |

Soil ID: OND401071913
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

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5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Soil ID: OND401071913
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072720
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCEY~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -11-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 44.1 | **pH in Calc Chloride** : 4.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-8 | **Horizon** : Ah | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 59 | **Total Silt(%)** : 24 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 12.9 | **pH in Calc Chloride** : 4.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.423 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 8-15 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.4 | **Saturated Hydraulic Conductivity(cm/h)** : 6.892 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-20 | **Horizon** : Bfjgj | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.549 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-40 | **Horizon** : Bgf | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.194 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 40-65 | **Horizon** : Bgf | **Layer No** : 6 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 90 | **Total Silt(%)** : 4 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.459 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 65-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 98 |

Soil ID: OND401072720
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONAHG~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 77 | **Total Silt(%)** : 11 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 6.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.331 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-45 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 9.364 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 45-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 6.367 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-100 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Soil ID: OND401072668
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONCEY~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -11-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 44.1 | **pH in Calc Chloride** : 4.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-8 | **Horizon** : Ah | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 59 | **Total Silt(%)** : 24 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 12.9 | **pH in Calc Chloride** : 4.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.423 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 8-15 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.4 | **Saturated Hydraulic Conductivity(cm/h)** : 6.892 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-20 | **Horizon** : Bfjgj | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.549 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-40 | **Horizon** : Bgf | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.194 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 40-65 | **Horizon** : Bgf | **Layer No** : 6 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 90 | **Total Silt(%)** : 4 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.459 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 65-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 98 |

Soil ID: OND401070340
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBBO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 35 | **Total Clay(%)** : 63 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.27 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-58 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 21 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 58-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 25 | **Total Clay(%)** : 74 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.191 | **Electrical Conductivity(dS/m)** : 0 |

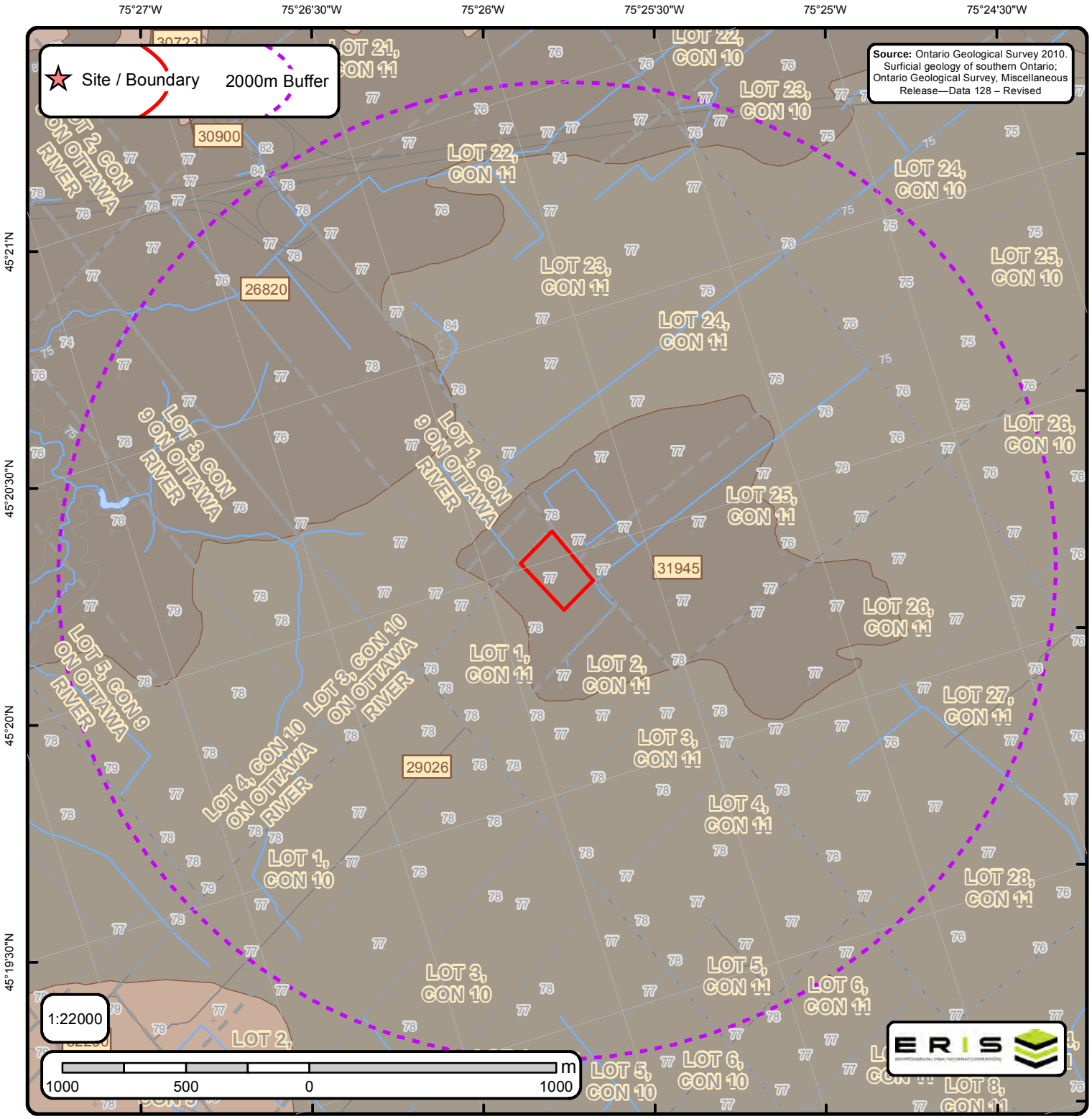
Soil ID: OND401071921
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Soil ID: OND401070333
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072721
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |



The Surficial Geology of Southern Ontario

Order No. 20190214048

Spot Height	Streams	Dune	Beach	Esker	karst	pitsg
Waterbody	Contour Lines	Lake	Bluff	Esker ND	linfeat	popup
Wetlands	Roads	Rib	Crevasse	Fluvial DL	megarip	ribl
Airports	Railroads	Scab	Crest	fluvndl	mfluvdl	slidel
Pit or Quarry	Morains	Slide	End	iceberg	mfluvndl	slumpb
Lots		NOF Dune	Escarpment	icslope	moraine	terrace

Surface Geology Report

Surface Geology units found within 2000 m of
5592 Boundary Road Ottawa, Navan, ON, K4B 1T8

Order ID:
20190214048

ID: 26820 | **Unit Name:** Deltaic and estuarine deposits |
Deposit Type Code: 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3104 | **Map Name:** Russell | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

ID: 29026 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3104 | **Map Name:** Russell | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a

ID: 31945 | **Unit Name:** Deltaic and estuarine deposits |
Deposit Type Code: 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3104 | **Map Name:** Russell | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier- This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.