



**PATERSON  
GROUP**

May 12, 2023  
File: PE5950-LET.01

**910 March Road Inc.**  
206-555 Legget Drive (Tower A)  
Ottawa, Ontario  
K2K 2X3

Attention: **Ms. Pascale Lepine**

Subject: **Phase I-Environmental Site Assessment Update  
910 March Road  
Ottawa, Ontario**

**Consulting Engineers**

9 Auriga Drive  
Ottawa, Ontario  
K2E 7T9  
Tel: (613) 226-7381

Geotechnical Engineering  
Environmental Engineering  
Hydrogeology  
Materials Testing  
Building Science  
Rural Development Design  
Retaining Wall Design  
Noise and Vibration Studies

[patersongroup.ca](http://patersongroup.ca)

Dear Madame,

Further to your request, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (ESA) Update for the aforementioned property. This report updates a Phase I ESA entitled "Phase I Environmental Site Assessment, 910 March Road, Ottawa, Ontario" prepared by Paterson Group Inc. (Paterson), dated August 16, 2021.

This update report is intended to meet the requirements for an updated Phase I ESA, as per the MECP O.Reg. 153/04, as amended. This update report is to be read in conjunction with the 2021 report.

## **Background**

The Phase I Property is located on the east side of March Road, approximately 86 m north of the Maxwell Bridge Road and March Road intersection, in the City of Ottawa, Ontario. For the purposes of this report, March Road is assumed to run in a north-south direction. The subject site is shown on Figure 1 – Key Plan, following the text of this letter.

The Phase I Property is currently occupied by five (5) abandoned outbuildings associated with a former farmstead. The subject land is an irregular shaped lot with an approximate footprint of 2.72 hectares, zoned for rural development. Shirley's Brook and its tributary transects the north-eastern and northern portions of the Phase I Property in an approximate north-south direction, while its tributary runs in an approximate east-west direction, parallel to the northern property boundary. The Phase I Property formerly relied upon private services; however, municipal services will be provided upon development.





## Previous Engineering Reports

The following report was reviewed as part of this Phase I-ESA Update.

- *“Phase I - Environmental Site Assessment, 910 March Road, Ottawa, Ontario,”* prepared by Paterson Group Inc. (Paterson), dated November 5, 2019.

Based on the 2019 of the Phase I ESA, three (3) APECs were identified on-site, as per the Items listed in Table 2 of the O.Reg. 153/04:

APEC 1: *“Gasoline and Associated Products Storage in Fixed Tanks”* – this PCA was identified based on the presence of a former underground storage tank situated on the southwest side of the residential dwelling on the Phase I Property (PCA 28).

APEC 2: *“Gasoline and Associated Products Storage in Fixed Tanks”* – this PCA was identified based on the presence of an empty above ground storage tank situated on the west side of the storage shed located east of the residential dwelling on the Phase I Property (PCA 28).

APEC 3: *“Gasoline and Associated Products Storage in Fixed Tanks”* – this PCA was identified based on the presence of three (3) empty above ground storage tanks situated inside the northeastern storage shed on the Phase I Property (PCA 28).

A subsequent Phase II ESA was completed to address the aforementioned APECs.

- *“Phase II - Environmental Site Assessment, 910 March Road, Ottawa, Ontario,”* prepared by Paterson, dated November 11, 2019.

The Phase II ESA was carried out and consisted of drilling nine (9) boreholes across the Phase II Property, three (3) of which were instrumented with groundwater monitoring wells.

The soil profile generally consisted of topsoil, followed by a silty clay layer. Boreholes were terminated at a maximum depth of 4.7m below the ground surface. Soil samples were obtained from the boreholes and screened using combustible vapour measurements along with visual and olfactory observations.

Based on the screening results in combination with sample depth and location, three (3) soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and petroleum hydrocarbons (PHCs, F<sub>1</sub>-F<sub>4</sub>). No BTEX or PHC parameters were identified above the laboratory detection limits in the soil samples analyzed. All of the soil results complied with the MECP Table 8 Residential Standards for coarse grain soils.



Groundwater samples from monitoring wells installed in BH5, BH6 and BH7 were recovered and analyzed for BTEX and PHCs. No free-phase product was observed on the groundwater at any of the monitoring well locations during the groundwater sampling event.

No BTEX or PHC parameters were identified above the laboratory detection limits in the groundwater samples analyzed. The groundwater results complied with the MECP Table 8 Standards.

Based on the findings of the Phase II ESA report, it is our opinion that the APECs (APECs 1 through 3) on the Phase I Property have been adequately addressed, and as such, no longer represent APECs.

- *“Phase I - Environmental Site Assessment, 910 March Road, Ottawa, Ontario,”* prepared by Paterson Group Inc. (Paterson), dated August 16, 2021.

Based on the findings of the Phase I ESA, the subject site remained vacant and unutilized. Five (5) abandoned outbuildings were still present on-site, while the two (2) residential dwellings were demolished in 2019. No new potentially contaminating activities (PCAs) or areas of potential environmental concern (APECs) were identified and as such, a Phase II ESA was not required.

## Site Reconnaissance

A site visit was conducted on May 11, 2023. The Phase I Property remains unchanged since the 2021 Phase I ESA, with the exception of a construction trailer that is currently used to store buildings materials, as well as the abandoned outbuildings.

The site is grass-covered land with an asphaltic concrete paved driveway associated with the former residential dwellings and attached garage, fronting March Road.

The topography of the site is generally flat with a slight downward slope along the northern, eastern and southern property boundaries towards Shirley’s Brook and its tributaries, present to the north and south. Site drainage occurs primarily through infiltration on grass-covered areas and/or surface runoff to the adjacent drainage ditches along March Road and/or into Shirley’s Brook and its tributaries.

No signs of above ground storage tanks (ASTs) or underground storage tanks (USTs) were noted at the time of the site visit. No hazardous materials, evidence of surficial staining or stressed vegetation were observed on the Phase I Property at the time of the site visit.



The neighbouring lands remain unchanged since the 2021 Phase I ESA. No off-site PCAs were noted with the current use of the neighbouring lands.

## **Update Records Review**

### **Aerial Photographs**

The latest aerial photograph reviewed as part of the 2021 Phase I ESA was from 2019. The 2021 aerial images were reviewed for this update. The review of these aerial images did not reveal any apparent changes to the Phase I Property with the exception that the former residential dwellings and detached garage are no longer on-site, while the surrounding properties remain unchanged.

### **Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information Request (FOI)**

A request to the MECP Freedom of Information (FOI) office was request as part of this update. A response has not been received at the time of issuance of this report; however, based on the response received from the MECP Freedom of Information (FOI) on November 4, 2019, no records were identified for the Phase I Property. It is expected, given that the Phase I Property and properties in the neighbouring lands have remained unchanged since the 2019, no new pertinent records would be identified. Once received, an updated copy of the MECP FOI response will be forwarded to the client if it contains any pertinent information. A copy of the 2019 MECP FOI response is appended to this letter.

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

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were identified for the Phase I Property nor were there any new RSCs for properties within the Phase I Study Area.

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on May 11, 2023 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Based on the TSSA response, no records are listed in the TSSA registry for the Phase I ESA Property or the adjacent properties. A copy of the TSSA correspondence is appended to this letter.



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

A request for information from the City's Historical Land Use Inventory (HLUI) for the Phase I Property and properties within the Phase I Study Area was sent to the City of Ottawa as part of this assessment. A response had not been received at the time of issuance of this report; however, based on the response received from the City on November 11, 2019, no activities were identified for the Phase I Property. Given that the Phase I Property and properties in the neighbouring lands have remained unchanged since the 2021, it is expected that no new activities would be identified with the exception of that the City's HLUI database has been updated to include properties within the 250m search radius. Once received, an updated copy of the City's HLUI search results will be forwarded to the client if it contains any pertinent information. A copy of the 2019 HLUI response is appended to this letter.

## **Environmental Risk Information Services (ERIS) Report**

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the 250 m study area.

Based on the findings of the ERIS report, no records were identified for 910 March Road. The ERIS search identified several off-site records, which included waste generators, spills and incidents. Based on the nature of these records, their separation distances and/or orientations with respect to the Phase I Property, these off-site records are not considered to represent PCAs and/or APECs on the Phase I Property. A copy of the ERIS report is appended to this letter.

## **Update Conceptual Site Model and Conclusion**

As a result of the records update and follow-up site visit undertaken as part of this assessment in order to meet the requirements of O.Reg. 153/04, as amended, no new potentially contaminating activities (PCAs) or areas of potential environmental concern (APECs) were identified as part of this Phase I ESA Update. Based on this Phase I-ESA Update, **it is our opinion that a Phase II-ESA is not required for the Phase I Property.**

## **Statement of Limitations**

This Phase I - Environmental Site Assessment Update report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation 153/04, as amended, under the Environmental Protection Act.



The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA Update are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. Should any conditions be encountered at the site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of 910 March Road Inc. Permission and notification from 910 March Road Inc. and Paterson will be required to release this report to any other party.

We trust that this submission satisfies your current requirements. Should you have any questions please contact the undersigned.

Sincerely,

**Paterson Group Inc.**

Mandy Witteman, M.A.Sc., P.Eng.

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



**Appendix:**

- MECP FOI Response
- HLUI response
- TSSA Response
- ERIS Report
- Figure 1 – Key Plan

**Report Distribution:**

- 910 March Road Inc.
- Paterson Group



Ministry of the Environment,  
Conservation and Parks

Ministère de l'Environnement, de  
la Protection de la nature et des  
Parcs

Access and Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

Bureau de l'accès à l'information et  
de la protection de la vie privée

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél.: (416) 314-4075



November 4, 2019

Mandy Witteman  
Paterson Group Inc.  
154 Colonnade Road  
Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2019-06775, Your Reference PE4760**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 910 March Road, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment.**

The District Office has advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that records will be located responsive to your request. If you would like us to retrieve these files, please forward to me payment by cheque (made payable to the "Minister of Finance (FOI)") or credit card in the amount of \$60.00. Credit card forms are available on the Ministry's website <http://www.ontario.ca/environment-and-energy/freedom-information-request-form>.

Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the search conducted at the Environmental Assessment and Permissions Branch and/or files retrieved from the Records Centre, the time for answering your request will be extended for an additional 30 days.

**When remitting payment please quote our file number or attach a copy of this letter.**

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

If you have any questions regarding this matter, please contact Dany Briollais at 416-314-4075.

November 8, 2019

Mandy Witteman  
Paterson Group  
154 Colonnade Road South  
Ottawa, Ontario, K2E 7J5

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

Dear Ms. Witteman,

**Re: Information Request  
<<910 March Road>>, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation**

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

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

**Search of Historical Land Use Inventory**

**This acknowledges receipt of the signed Disclaimer regarding your request for information from the City’s Historical Land Use Inventory (HLUI 2005) database for the Subject Property.**

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There is 1 activity associated with properties located within 250m of the Subject Property:



A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

### **Ontario's Environmental Registry**

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

### **The Ontario Land Registry Office**

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

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

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

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

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

If you have any further questions or comments, please contact Samantha Gatchene at 613-580-2424 ext. 14743 or [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca)

Sincerely,

A handwritten signature in cursive script that reads "Samantha Gatchene".

Samantha Gatchene

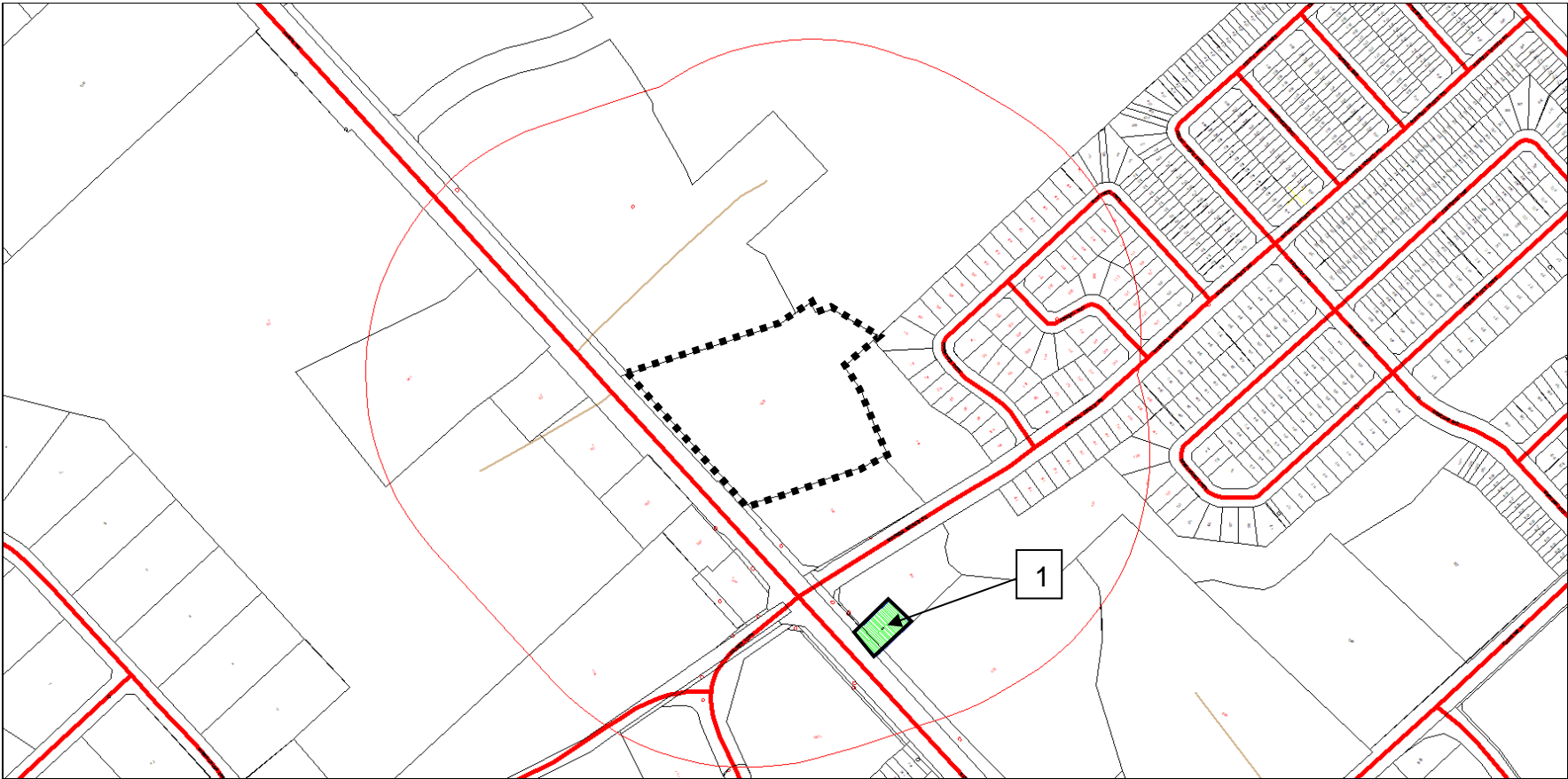
Per:

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

MB/ SG

Enclosures

cc: File no. D06-03-19-0149





Scale 1: n/a

910 March Road  
Ottawa, ON  
File # D06-03-19-0149  
Samantha Gatchene



Overview

-  = Subject Site
-  = Area Number

HLUI Activity Table – D06-03-19-0149

<b>Area Number</b>	<b>HLUI Activities Associated with Area</b>
Subject Property	No HLUI activities associated with subject property
1	1878

# Historical Land Use Inventory

Activity Numbers –

**Adjacent Properties**

# Historical Land Use Inventory

## Area #1 Activity Numbers



**CITY OF OTTAWA**

**HLUI ID: \_\_67990E**

**AREA (Square Metres): 1394.175**

Report: RPTC\_OT\_DEV0122

Run On: 08 Nov 2019 at: 09:38:40

**Study Year**  
2005

**PIN**  
045270084

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 1878 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :**

**Related PINS:** 045270084

**Name:** BURKE BUSLINE LIMITED

**Address:** 860 MARCH ROAD, KANATA

**Facility Type:** Public Passenger Transit Systems Industries

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2001 Employment Survey

<b>NAICS</b>	<b>SIC</b>
485510	0

**Company Name**

BURKE BUSLINE LIMITED

**Year of Operation**

c. 2001

## Mandy Witteman

---

**From:** Public Information Services <publicinformationservices@tssa.org>  
**Sent:** Friday, May 12, 2023 10:54 AM  
**To:** Mandy Witteman  
**Subject:** RE: Search records request (PE4760-3)

Hello,

### **NO RECORD FOUND IN CURRENT DATABASE**

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

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

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click [Release of Public Information - TSSA](#) - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (\*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
  - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.

Questions? Please contact TSSA's Public Information Release team at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

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

Kind regards,





**Kimberly Gage | Public Information Agent**

Legal  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel: +1 416-734-3348 | Fax: +1 416-734-3568 | E-Mail: [kgage@tssa.org](mailto:kgage@tssa.org)  
[www.tssa.org](http://www.tssa.org)



**From:** Mandy Witteman  
<[MWitteman@patersongroup.ca](mailto:MWitteman@patersongroup.ca)>  
**Sent:** Thursday, May 11, 2023 1:35 PM  
**To:** Public Information Services



**Winner of 2022 5-Star Safety Cultures Award**

<[publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)>  
**Subject:** Search records request (PE4760-3)

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

Good Afternoon,

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

- March Rd: 910, 866, 846, 927, 905, 895
- Halton Terrace: 1054, 1083
- Maxwell Bridge Dr: 349

Thank you!

Kind regards,

Mandy (*she/her*)



**MANDY WITTEMAN, B.Eng., M.A.Sc., P.Eng.**  
ENVIRONMENTAL ENGINEER

TEL: (613) 226-7381 ext. 339  
DIRECT: (613) 800-5575

9 AURIGA DRIVE  
OTTAWA ON K2E 7T9

[patersongroup.ca](http://patersongroup.ca)

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!

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



---

# DATABASE REPORT

**Project Property:** *PE4760 -910 March Rd  
PE4760 -910 March Rd  
Kanata ON K2K 1X7*

**Project No:** *32636*

**Report Type:** *Standard Report*

**Order No:** *21081000045*

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

**Date Completed:** *August 13, 2021*

# Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	11
Map.....	16
Aerial.....	17
Topographic Map.....	18
Detail Report.....	19
Unplottable Summary.....	84
Unplottable Report.....	86
Appendix: Database Descriptions.....	94
Definitions.....	103

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

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

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

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

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

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

# Executive Summary

## Property Information:

**Project Property:** PE4760 -910 March Rd  
PE4760 -910 March Rd Kanata ON K2K 1X7

**Project No:** 32636

## **Coordinates:**

**Latitude:** 45.3596394  
**Longitude:** -75.9375839  
**UTM Northing:** 5,023,330.56  
**UTM Easting:** 426,567.82  
**UTM Zone:** 18T

**Elevation:** 262 FT  
79.82 M

## Order Information:

**Order No:** 21081000045  
**Date Requested:** August 10, 2021  
**Requested by:** Paterson Group Inc.  
**Report Type:** Standard Report

## Historical/Products:

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	6	6
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	3	3
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	7	7
EIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	2	2
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	2	2
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	17	17
<b>Total:</b>			0	38	38

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
--------------------	-----------	--------------------------	----------------	---------------------	--------------------------	------------------------

No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">1</a>	WWIS		lot 11 con 4 ON <b>Well ID:</b> 1514785	SSE/9.0	0.00	<a href="#">19</a>
<a href="#">2</a>	WWIS		910 MARCH RD lot 12 con 4 KANATA ON <b>Well ID:</b> 1536458	S/14.6	0.00	<a href="#">22</a>
<a href="#">3</a>	BORE		ON	SW/25.2	0.08	<a href="#">28</a>
<a href="#">4</a>	EHS		910 March Road Kanata ON K2K 1X7	ENE/62.3	-1.61	<a href="#">30</a>
<a href="#">5</a>	WWIS		905 MARCH RD lot 12 con 3 KANATA ON <b>Well ID:</b> 7335796	WSW/81.0	0.05	<a href="#">30</a>
<a href="#">6</a>	WWIS		295 MARCH RD KANATA ON <b>Well ID:</b> 7156775	S/83.6	0.48	<a href="#">31</a>
<a href="#">7</a>	GEN	Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW/92.8	1.08	<a href="#">34</a>
<a href="#">7</a>	GEN	Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW/92.8	1.08	<a href="#">34</a>
<a href="#">8</a>	BORE		ON	E/102.8	-2.00	<a href="#">34</a>
<a href="#">9</a>	WWIS		lot 12 con 3 ON <b>Well ID:</b> 1503359	W/107.3	-0.16	<a href="#">36</a>
<a href="#">10</a>	ECA	McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	ESE/117.8	-0.42	<a href="#">38</a>
<a href="#">11</a>	EHS		886 March Road Ottawa ON K2K 1X7	ESE/118.9	-0.95	<a href="#">39</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">12</a>	BORE		ON	SE/156.4	0.05	<a href="#">39</a>
<a href="#">13</a>	WWIS		lot 11 con 4 ON <b>Well ID:</b> 1510247	SE/156.5	0.05	<a href="#">40</a>
<a href="#">14</a>	WWIS		lot 12 con 3 ON <b>Well ID:</b> 1516260	W/160.3	0.05	<a href="#">42</a>
<a href="#">15</a>	WWIS		886 MARCH ROAD lot 11 con 4 CARP ON <b>Well ID:</b> 7049297	SE/167.9	1.10	<a href="#">46</a>
<a href="#">16</a>	WWIS		lot 11 con 3 ON <b>Well ID:</b> 1503356	SSE/170.1	1.38	<a href="#">48</a>
<a href="#">17</a>	WWIS		ON <b>Well ID:</b> 7201372	NNE/173.9	-1.86	<a href="#">51</a>
<a href="#">18</a>	WWIS		lot 12 con 4 ON <b>Well ID:</b> 1503414	NNW/176.9	0.05	<a href="#">52</a>
<a href="#">19</a>	BORE		ON	NNW/177.0	0.05	<a href="#">54</a>
<a href="#">20</a>	PINC		858 March Rd, Kanata ON	SE/180.0	1.10	<a href="#">56</a>
<a href="#">20</a>	PINC		858 MARCH ROAD, KANATA ON K2W 0C9	SE/180.0	1.10	<a href="#">56</a>
<a href="#">21</a>	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E/191.8	-3.92	<a href="#">57</a>
<a href="#">21</a>	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E/191.8	-3.92	<a href="#">57</a>
<a href="#">22</a>	WWIS		927 MARCH RD lot 3 con 11 KANATA ON	W/197.8	-0.03	<a href="#">57</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 1536459			
<a href="#">23</a>	WWIS		941 MARCH RD lot 11 con 4 KANATA ON <b>Well ID:</b> 1536624	WNW/210.4	0.05	<a href="#">64</a>
<a href="#">23</a>	WWIS		941 MARCH RD lot 11 con 4 KANATA ON <b>Well ID:</b> 1536625	WNW/210.4	0.05	<a href="#">65</a>
<a href="#">24</a>	BORE		ON	WSW/210.9	2.05	<a href="#">72</a>
<a href="#">25</a>	WWIS		lot 11 con 4 ON <b>Well ID:</b> 1503413	SE/225.0	0.97	<a href="#">73</a>
<a href="#">26</a>	WWIS		860 MARCH RD. lot 11 con 4 KANATA ON <b>Well ID:</b> 7112943	SE/228.3	0.97	<a href="#">75</a>
<a href="#">27</a>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<a href="#">77</a>
<a href="#">27</a>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<a href="#">78</a>
<a href="#">27</a>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<a href="#">78</a>
<a href="#">27</a>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<a href="#">78</a>
<a href="#">27</a>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<a href="#">78</a>
<a href="#">28</a>	SPL	PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	SE/229.4	1.75	<a href="#">78</a>
<a href="#">29</a>	WWIS		lot 11 con 3 ON <b>Well ID:</b> 1516836	SW/239.2	3.05	<a href="#">79</a>
<a href="#">30</a>	BORE		ON	WNW/241.4	1.05	<a href="#">82</a>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
----------------	-----------	--------------------------	----------------	---------------------	----------------------	--------------------

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 6 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	SW	25.20	<a href="#"><u>3</u></a>
	ON	SE	156.38	<a href="#"><u>12</u></a>
	ON	NNW	176.98	<a href="#"><u>19</u></a>
	ON	WSW	210.87	<a href="#"><u>24</u></a>
	ON	WNW	241.44	<a href="#"><u>30</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	E	102.79	<a href="#"><u>8</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 3 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	ESE	117.81	<a href="#"><u>10</u></a>

Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E	191.76	<a href="#">21</a>
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E	191.76	<a href="#">21</a>

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

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 7 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<a href="#">27</a>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<a href="#">27</a>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<a href="#">27</a>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<a href="#">27</a>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<a href="#">27</a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	910 March Road Kanata ON K2K 1X7	ENE	62.32	<a href="#">4</a>
	886 March Road Ottawa ON K2K 1X7	ESE	118.89	<a href="#">11</a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of

the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW	92.85	<a href="#">7</a>
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW	92.85	<a href="#">7</a>

### **PINC - Pipeline Incidents**

A search of the PINC database, dated May 31, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	858 March Rd, Kanata ON	SE	180.00	<a href="#">20</a>
	858 MARCH ROAD, KANATA ON K2W 0C9	SE	180.00	<a href="#">20</a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Aug 2020 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	SE	229.38	<a href="#">28</a>

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

A search of the WWIS database, dated Apr 30, 2021 has found that there are 17 WWIS site(s) within approximately 0.25 kilometers of the project property.

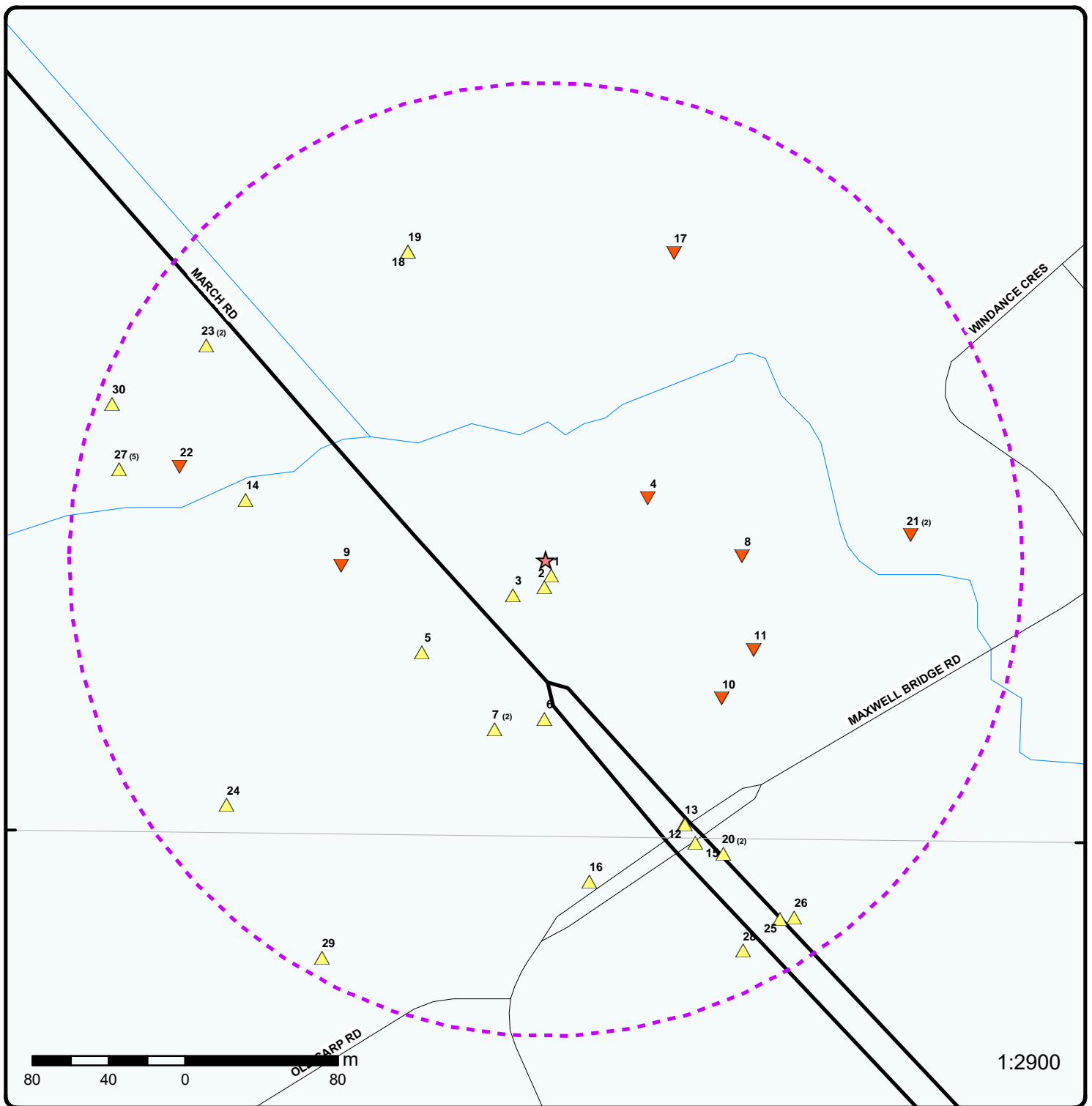
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 4 ON  <i>Well ID:</i> 1514785	SSE	9.00	<a href="#">1</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	910 MARCH RD lot 12 con 4 KANATA ON  <i>Well ID:</i> 1536458	S	14.59	<a href="#"><u>2</u></a>
	905 MARCH RD lot 12 con 3 KANATA ON  <i>Well ID:</i> 7335796	WSW	81.00	<a href="#"><u>5</u></a>
	295 MARCH RD KANATA ON  <i>Well ID:</i> 7156775	S	83.57	<a href="#"><u>6</u></a>
	lot 11 con 4 ON  <i>Well ID:</i> 1510247	SE	156.51	<a href="#"><u>13</u></a>
	lot 12 con 3 ON  <i>Well ID:</i> 1516260	W	160.34	<a href="#"><u>14</u></a>
	886 MARCH ROAD lot 11 con 4 CARP ON  <i>Well ID:</i> 7049297	SE	167.88	<a href="#"><u>15</u></a>
	lot 11 con 3 ON  <i>Well ID:</i> 1503356	SSE	170.10	<a href="#"><u>16</u></a>
	lot 12 con 4 ON  <i>Well ID:</i> 1503414	NNW	176.86	<a href="#"><u>18</u></a>
	941 MARCH RD lot 11 con 4 KANATA ON  <i>Well ID:</i> 1536625	WNW	210.39	<a href="#"><u>23</u></a>
	941 MARCH RD lot 11 con 4 KANATA ON  <i>Well ID:</i> 1536624	WNW	210.39	<a href="#"><u>23</u></a>
	lot 11 con 4 ON  <i>Well ID:</i> 1503413	SE	225.01	<a href="#"><u>25</u></a>
	860 MARCH RD. lot 11 con 4 KANATA ON	SE	228.31	<a href="#"><u>26</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7112943			
	lot 11 con 3 ON	SW	239.25	<a href="#">29</a>
	<i>Well ID:</i> 1516836			

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 12 con 3 ON	W	107.28	<a href="#">9</a>
	<i>Well ID:</i> 1503359			
	ON	NNE	173.93	<a href="#">17</a>
	<i>Well ID:</i> 7201372			
	927 MARCH RD lot 3 con 11 KANATA ON	W	197.85	<a href="#">22</a>
	<i>Well ID:</i> 1536459			





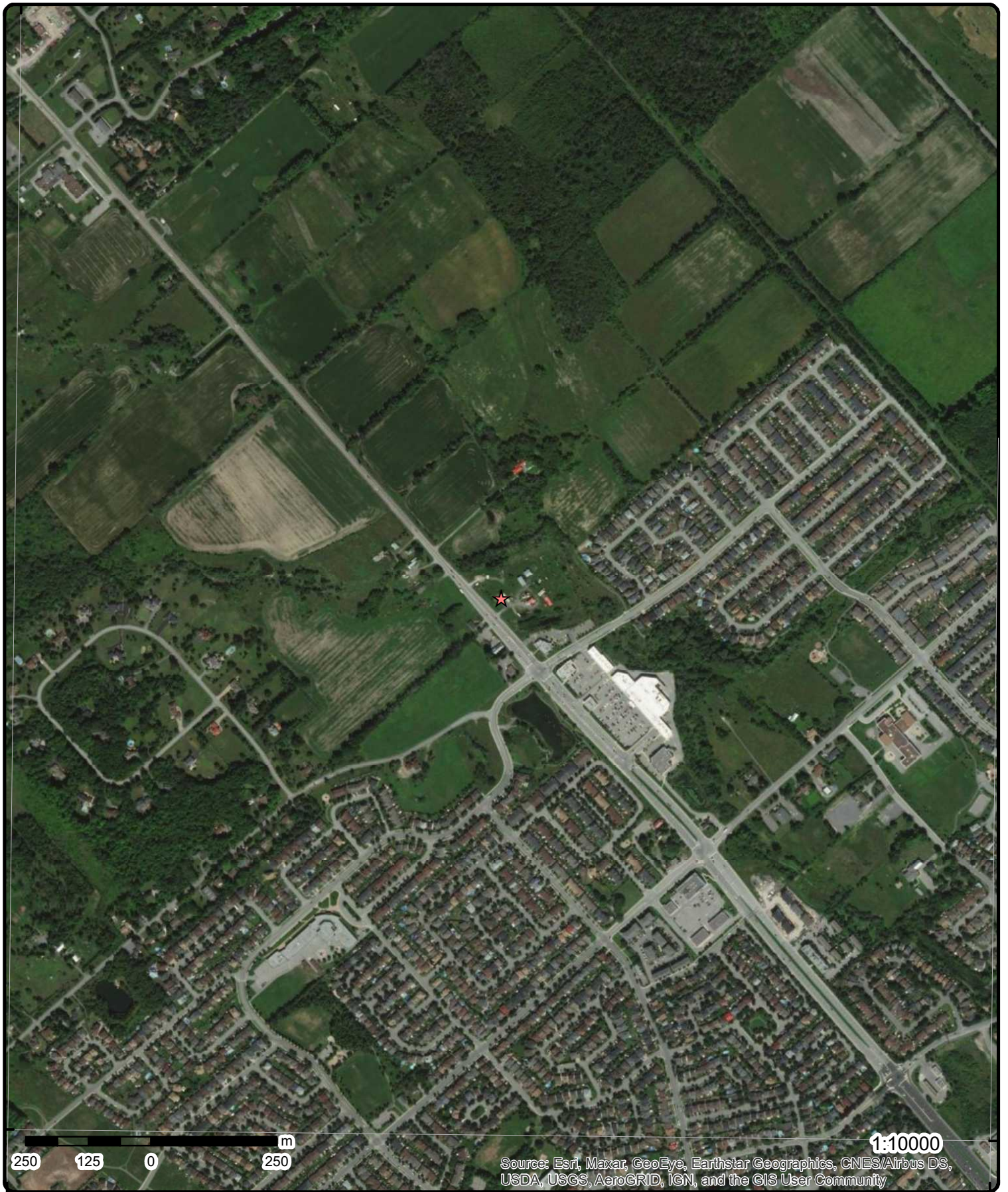
### Map: 0.25 Kilometer Radius

Order Number: 21081000045

Address: PE4760 -910 March Rd, Kanata, ON



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



**Aerial** Year: 2020

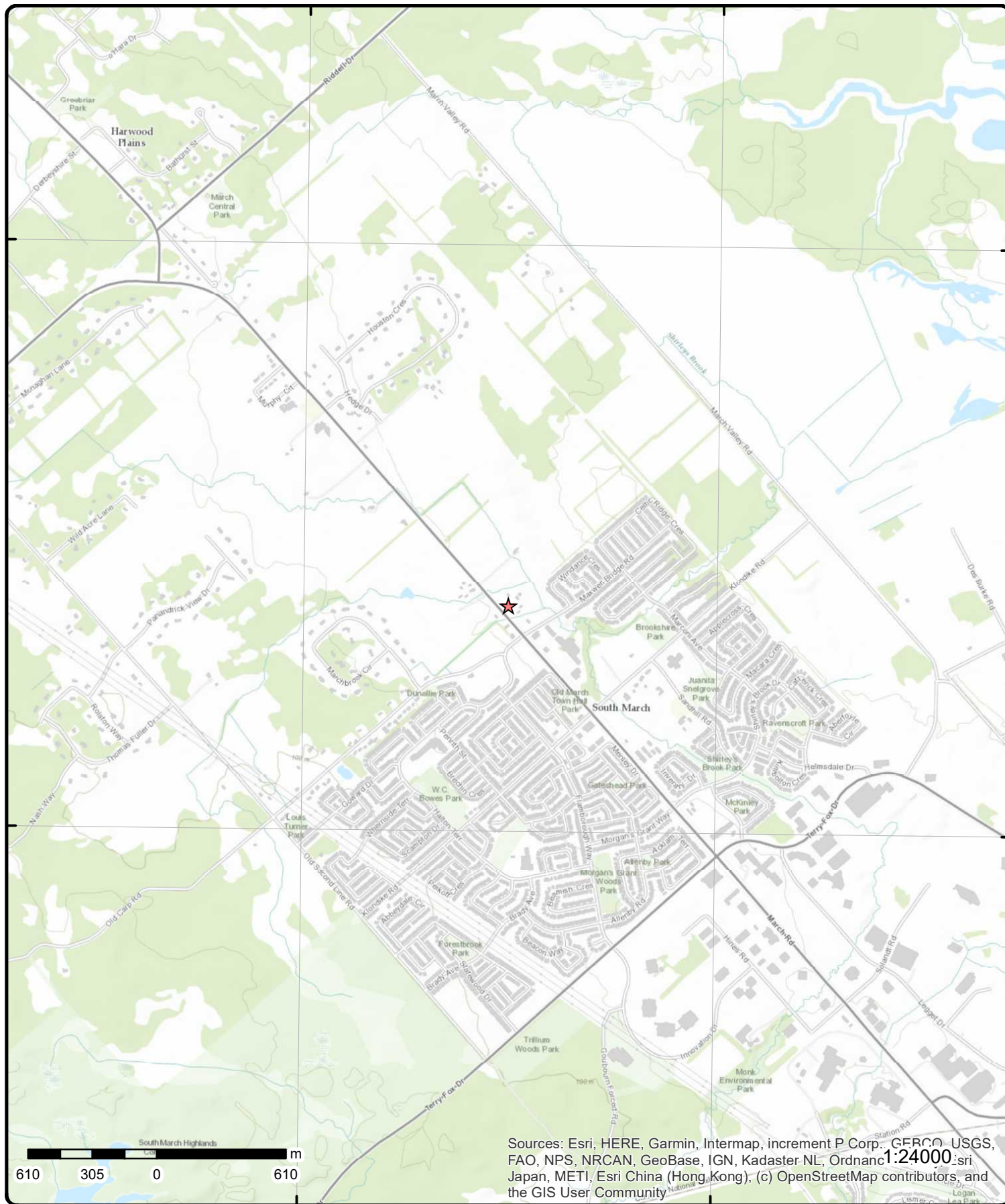
Order Number: 2108100045

Address: PE4760 -910 March Rd, Kanata, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



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

# Topographic Map

**Address: PE4760 -910 March Rd, ON**

Source: ESRI World Topographic Map

Order Number: 2108100045



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	SSE/9.0	79.8 / 0.00	lot 11 con 4 ON	WWIS

**Well ID:** 1514785  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 7/23/1975  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 3658  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**  
**Lot:** 011  
**Concession:** 04  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1514785.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514785.pdf)

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

**Well Completed Date:** 1975/07/01  
**Year Completed:** 1975  
**Depth (m):** 27.432  
**Latitude:** 45.3595626211973  
**Longitude:** -75.9375471948569  
**Path:** 151\1514785.pdf

**Bore Hole Information**

<p> <b>Bore Hole ID:</b> 10036755  <b>DP2BR:</b> 25.00  <b>Spatial Status:</b>  <b>Code OB:</b> r  <b>Code OB Desc:</b> Bedrock  <b>Open Hole:</b>  <b>Cluster Kind:</b>  <b>Date Completed:</b> 01-Jul-1975 00:00:00  <b>Remarks:</b>  <b>Elevrc Desc:</b>  <b>Location Source Date:</b>  <b>Improvement Location Source:</b>  <b>Improvement Location Method:</b>  <b>Source Revision Comment:</b>  <b>Supplier Comment:</b> </p>	<p> <b>Elevation:</b> 77.908729  <b>Elevrc:</b>  <b>Zone:</b> 18  <b>East83:</b> 426570.60  <b>North83:</b> 5023322.00  <b>Org CS:</b>  <b>UTMRC:</b> 4  <b>UTMRC Desc:</b> margin of error : 30 m - 100 m  <b>Location Method:</b> p4                 </p>
---	---

**Overburden and Bedrock**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931027302			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>		73			
<b>Mat2 Desc:</b>		HARD			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		25.0			
<b>Formation End Depth:</b>		90.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931027301			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		85			
<b>Mat2 Desc:</b>		SOFT			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		25.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961514785			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10585325			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930064972			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		27			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing ID:</b>		930064973			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		90			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991514785			
<b>Pump Set At:</b>					
<b>Static Level:</b>		11.0			
<b>Final Level After Pumping:</b>		30.0			
<b>Recommended Pump Depth:</b>		30.0			
<b>Pumping Rate:</b>		15.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934902071			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		30.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934100601			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		30.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934383616			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		30.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934644602			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		30.0			
<b>Test Level UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Water Details</u></b>					
Water ID:		933470746			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		65.0			
Water Found Depth UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933470747			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		84.0			
Water Found Depth UOM:		ft			

<a href="#">2</a>	1 of 1	S/14.6	79.8 / 0.00	910 MARCH RD lot 12 con 4 KANATA ON	WWIS
-------------------	--------	--------	-------------	--	------

<b>Well ID:</b>	1536458	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	7/11/2006
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1558
<b>Casing Material:</b>		<b>Form Version:</b>	3
<b>Audit No:</b>	Z46997	<b>Owner:</b>	
<b>Tag:</b>	A035395	<b>Street Name:</b>	910 MARCH RD
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	012
<b>Well Depth:</b>		<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536458.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536458.pdf</a>		

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

<b>Well Completed Date:</b>	2006/06/27
<b>Year Completed:</b>	2006
<b>Depth (m):</b>	27.43
<b>Latitude:</b>	45.3595082430105
<b>Longitude:</b>	-75.9375922615526
<b>Path:</b>	153\1536458.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	11550524	<b>Elevation:</b>	78.054458
<b>DP2BR:</b>	6.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	426567.00
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5023316.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3

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

**Date Completed:** 27-Jun-2006 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**UTMRC Desc:** margin of error : 10 - 30 m  
**Location Method:** wwr

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 933057099  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 1.8200000524520874  
**Formation End Depth:** 12.1899995803833  
**Formation End Depth UOM:** m

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 933057098  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 79  
**Mat2 Desc:** PACKED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 1.8200000524520874  
**Formation End Depth UOM:** m

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 933057100  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 12.1899995803833  
**Formation End Depth:** 27.43000030517578  
**Formation End Depth UOM:** m

**Method of Construction & Well  
Use**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction ID:</b>		961536458			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11560131			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930879939			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-0.449999988079071			
<b>Depth To:</b>		10.3599996566772			
<b>Casing Diameter:</b>		15.8599996566772			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930879940			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>		10.3599996566772			
<b>Depth To:</b>		27.4300003051758			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		11569511			
<b>Pump Set At:</b>		21.329999923706055			
<b>Static Level:</b>		6.01999980926514			
<b>Final Level After Pumping:</b>		6.599999904632568			
<b>Recommended Pump Depth:</b>		15.229999542236328			
<b>Pumping Rate:</b>		54.599998474121094			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		45.5			
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624162			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		6.53000020980835			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624151			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		6.179999828338623			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624159			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		6.130000114440918			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624161			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		6.119999885559082			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624145			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		6.190000057220459			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624148			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		6.449999809265137			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624150			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		6.46999979019165			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>		11624155			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		6.130000114440918			
<i>Test Level UOM:</i>		m			
<b><u>Draw Down &amp; Recovery</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		11624149			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		6.179999828338623			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624154			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		6.510000228881836			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624156			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		6.51999980926514			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624157			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		6.130000114440918			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624158			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		6.51999980926514			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624165			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		6.119999885559082			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624147			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		6.190000057220459			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624152			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Level:</b>			6.5		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624153		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			10		
<b>Test Level:</b>			6.150000095367432		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624160		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			30		
<b>Test Level:</b>			6.53000020980835		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624163		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			40		
<b>Test Level:</b>			6.119999885559082		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624142		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			1		
<b>Test Level:</b>			6.360000133514404		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624143		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			1		
<b>Test Level:</b>			6.199999809265137		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624144		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			6.400000095367432		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624146		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			3		
<b>Test Level:</b>			6.440000057220459		
<b>Test Level UOM:</b>			m		

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

Draw Down & Recovery

Pump Test Detail ID: 11624164  
 Test Type: Draw Down  
 Test Duration: 50  
 Test Level: 6.539999961853027  
 Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11624166  
 Test Type: Draw Down  
 Test Duration: 60  
 Test Level: 6.550000190734863  
 Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11624167  
 Test Type: Recovery  
 Test Duration: 60  
 Test Level: 6.119999885559082  
 Test Level UOM: m

Water Details

Water ID: 934077244  
 Layer: 1  
 Kind Code:  
 Kind:  
 Water Found Depth: 24.989999771118164  
 Water Found Depth UOM: m

Hole Diameter

Hole ID: 11681231  
 Diameter: 15.229999542236328  
 Depth From: 7.309999942779541  
 Depth To: 27.43000030517578  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

Hole Diameter

Hole ID: 11681230  
 Diameter: 22.75  
 Depth From: 0.0  
 Depth To: 7.309999942779541  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

<u>3</u>	1 of 1	SW/25.2	79.9 / 0.08	ON	BORE
----------	--------	---------	-------------	----	------

Borehole ID:	609827	Inclin FLG:	No
OGF ID:	215511442	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:		Municipality:	
Static Water Level:		Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.359472
Total Depth m:	-999			Longitude DD:	-75.937801
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426551
Drill Method:				Northing:	5023312
Orig Ground Elev m:	76.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	78.2				
Concession:					
Location D:					
Survey D:					
Comments:					

### Borehole Geology Stratum

Geology Stratum ID:	218384186			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Soil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SOIL.				

Geology Stratum ID:	218384188			Mat Consistency:	
Top Depth:	2.4			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Sandstone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK,SANDSTONE. STONE. 64 VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE. S **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	218384187			Mat Consistency:	
Top Depth:	.3			Material Moisture:	
Bottom Depth:	2.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				

### Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	M	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 023350 NTS_Sheet: 31G05D		
Confiden 1:	Reliable information but incomplete.		

### Source List

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

4 1 of 1 ENE/62.3 78.2 / -1.61 910 March Road Kanata ON K2K 1X7 EHS

<b>Order No:</b>	20190523231	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	Ottawa
<b>Report Type:</b>	Standard Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	30-MAY-19	<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	23-MAY-19	<b>X:</b>	-75.936906
<b>Previous Site Name:</b>	unknown	<b>Y:</b>	45.359933
<b>Lot/Building Size:</b>	6.7 Acre		
<b>Additional Info Ordered:</b>	City Directory		

5 1 of 1 WSW/81.0 79.9 / 0.05 905 MARCH RD lot 12 con 3 KANATA ON WWIS

<b>Well ID:</b>	7335796	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Commerical	<b>Date Received:</b>	6/18/2019
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	6574
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z304353	<b>Owner:</b>	
<b>Tag:</b>	A192645	<b>Street Name:</b>	905 MARCH RD
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	012
<b>Well Depth:</b>		<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

PDF URL (Map):

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

<b>Well Completed Date:</b>	2019/06/13
<b>Year Completed:</b>	2019
<b>Depth (m):</b>	1.9812
<b>Latitude:</b>	45.3591955276382
<b>Longitude:</b>	-75.9384042444499
<b>Path:</b>	

**Bore Hole Information**

<b>Bore Hole ID:</b>	1007478133	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	426503.00
<b>Code OB Desc:</b>		<b>North83:</b>	5023282.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Cluster Kind:</b> <b>Date Completed:</b> 13-Jun-2019 00:00:00 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>				<b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>	4 margin of error : 30 m - 100 m wwr
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Mat1:</b> <b>Most Common Material:</b> <b>Mat2:</b> <b>Mat2 Desc:</b> <b>Mat3:</b> <b>Mat3 Desc:</b> <b>Formation Top Depth:</b> <b>Formation End Depth:</b> <b>Formation End Depth UOM:</b>		1007976149 1 6 BROWN 05 CLAY 27 OTHER 79 PACKED 0.0 6.5 ft			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> <b>Casing No:</b> <b>Comment:</b> <b>Alt Name:</b>		1007975123 0			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b> <b>Pump Set At:</b> <b>Static Level:</b> <b>Final Level After Pumping:</b> <b>Recommended Pump Depth:</b> <b>Pumping Rate:</b> <b>Flowing Rate:</b> <b>Recommended Pump Rate:</b> <b>Levels UOM:</b> <b>Rate UOM:</b> <b>Water State After Test Code:</b> <b>Water State After Test:</b> <b>Pumping Test Method:</b> <b>Pumping Duration HR:</b> <b>Pumping Duration MIN:</b> <b>Flowing:</b>		1007980312        ft GPM    0			
<u>6</u>	1 of 1	S/83.6	80.3 / 0.48	295 MARCH RD KANATA ON	WWIS
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b>		7156775 Not Used Abandoned-Other		<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b>	
				12/22/2010 True Yes 6894	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z096933			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	295 MARCH RD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/715\7156775.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7156775.pdf)

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

**Well Completed Date:**  
**Year Completed:**  
**Depth (m):**  
**Latitude:** 45.3588872325645  
**Longitude:** -75.9375820043333  
**Path:** 715\7156775.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1003443207	<b>Elevation:</b>	77.539993
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	426567.00
<b>Code OB Desc:</b>		<b>North83:</b>	5023247.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3
<b>Date Completed:</b>		<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1003738549  
**Layer:** 3  
**Plug From:** 3  
**Plug To:** 24  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1003738550  
**Layer:** 4  
**Plug From:** 24  
**Plug To:** 29  
**Plug Depth UOM:** ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003738547			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.800000011920929			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003738548			
<b>Layer:</b>		2			
<b>Plug From:</b>		3			
<b>Plug To:</b>		0.800000011920929			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1003738545			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1003738538			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1003738542			
<b>Layer:</b>					
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1003738543			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1003738541			
<b>Layer:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Kind Code:</b> <b>Kind:</b> <b>Water Found Depth:</b> <b>Water Found Depth UOM:</b> ft					
<b>Hole Diameter</b>					
<b>Hole ID:</b> 1003738540 <b>Diameter:</b> <b>Depth From:</b> <b>Depth To:</b> <b>Hole Depth UOM:</b> ft <b>Hole Diameter UOM:</b> inch					
<u>7</u>	1 of 2	SSW/92.8	80.9 / 1.08	Kanata Plastic & Cosmetic Surgery 895 March Rd. Kanata ON K2K 1X7	GEN
<b>Generator No:</b> ON9179314 <b>Status:</b> <b>Approval Years:</b> 2015 <b>Contam. Facility:</b> No <b>MHSW Facility:</b> No <b>SIC Code:</b> 621499 <b>SIC Description:</b> ALL OTHER OUT-PATIENT CARE CENTRES <b>PO Box No:</b> <b>Country:</b> Canada <b>Choice of Contact:</b> CO_OFFICIAL <b>Co Admin:</b> Colleen Russell <b>Phone No Admin:</b> 613-591-1099 Ext.					
<b>Detail(s)</b> <b>Waste Class:</b> 312 <b>Waste Class Desc:</b> PATHOLOGICAL WASTES					
<u>7</u>	2 of 2	SSW/92.8	80.9 / 1.08	Kanata Plastic & Cosmetic Surgery 895 March Rd. Kanata ON K2K 1X7	GEN
<b>Generator No:</b> ON9179314 <b>Status:</b> <b>Approval Years:</b> 2014 <b>Contam. Facility:</b> No <b>MHSW Facility:</b> No <b>SIC Code:</b> 621499 <b>SIC Description:</b> ALL OTHER OUT-PATIENT CARE CENTRES <b>PO Box No:</b> <b>Country:</b> Canada <b>Choice of Contact:</b> CO_OFFICIAL <b>Co Admin:</b> Colleen Russell <b>Phone No Admin:</b> 613-591-1099 Ext.					
<b>Detail(s)</b> <b>Waste Class:</b> 312 <b>Waste Class Desc:</b> PATHOLOGICAL WASTES					
<u>8</u>	1 of 1	E/102.8	77.8 / -2.00	ON	BORE
<b>Borehole ID:</b> 609828 <b>OGF ID:</b> 215511443 <b>Status:</b> <b>Type:</b> Borehole <b>Use:</b> <b>Completion Date:</b> <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> -999 <b>Inclin FLG:</b> No <b>SP Status:</b> Initial Entry <b>Surv Elev:</b> No <b>Piezometer:</b> No <b>Primary Name:</b> <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> 45.359664 <b>Longitude DD:</b> -75.936272					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth Ref:		Ground Surface		UTM Zone:	18
Depth Elev:				Easting:	426671
Drill Method:				Northing:	5023332
Orig Ground Elev m:	76.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	75.4				
Concession:					
Location D:					
Survey D:					
Comments:					

### Borehole Geology Stratum

Geology Stratum ID:	218384189			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND.			
Geology Stratum ID:	218384190			Mat Consistency:	
Top Depth:	2.7			Material Moisture:	
Bottom Depth:	5.5			Material Texture:	
Material Color:	Blue			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY. BLUE.			
Geology Stratum ID:	218384191			Mat Consistency:	
Top Depth:	5.5			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Sandstone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BEDROCK,SANDSTONE. 64 VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE. SANDSTO		**Note: Many records provided by the department have a truncated [Stratum Description] field.	

### Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	M	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 023360 NTS_Sheet: 31G05D		
Confiden 1:	Reliable information but incomplete.		

### Source List

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

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

<u>9</u>	1 of 1	W/107.3	79.7 / -0.16	lot 12 con 3 ON	WWIS
<b>Well ID:</b>		1503359		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 1/17/1964	
<b>Sec. Water Use:</b>		0		<b>Selected Flag:</b> True	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 3504	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> MARCH TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 012	
<b>Well Depth:</b>				<b>Concession:</b> 03	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> CON	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503359.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503359.pdf)

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

**Well Completed Date:** 1963/05/23  
**Year Completed:** 1963  
**Depth (m):** 18.288  
**Latitude:** 45.3595960855311  
**Longitude:** -75.9389522307019  
**Path:** 150\1503359.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025402	<b>Elevation:</b>	79.530921
<b>DP2BR:</b>	12.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	426460.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5023327.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	23-May-1963 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996657  
**Layer:** 1

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		11			
<b>Mat2 Desc:</b>		GRAVEL			
<b>Mat3:</b>		12			
<b>Mat3 Desc:</b>		STONES			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		12.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930996658			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		12.0			
<b>Formation End Depth:</b>		38.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930996659			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		38.0			
<b>Formation End Depth:</b>		60.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961503359			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573972			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b> 930043555					
<b>Layer:</b> 1					
<b>Material:</b> 1					
<b>Open Hole or Material:</b> STEEL					
<b>Depth From:</b>					
<b>Depth To:</b> 20					
<b>Casing Diameter:</b> 6					
<b>Casing Diameter UOM:</b> inch					
<b>Casing Depth UOM:</b> ft					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> 930043556					
<b>Layer:</b> 2					
<b>Material:</b> 4					
<b>Open Hole or Material:</b> OPEN HOLE					
<b>Depth From:</b>					
<b>Depth To:</b> 60					
<b>Casing Diameter:</b> 6					
<b>Casing Diameter UOM:</b> inch					
<b>Casing Depth UOM:</b> ft					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b> 991503359					
<b>Pump Set At:</b>					
<b>Static Level:</b> 15.0					
<b>Final Level After Pumping:</b> 40.0					
<b>Recommended Pump Depth:</b> 50.0					
<b>Pumping Rate:</b> 5.0					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b> 5.0					
<b>Levels UOM:</b> ft					
<b>Rate UOM:</b> GPM					
<b>Water State After Test Code:</b> 1					
<b>Water State After Test:</b> CLEAR					
<b>Pumping Test Method:</b> 1					
<b>Pumping Duration HR:</b> 1					
<b>Pumping Duration MIN:</b> 0					
<b>Flowing:</b> No					
<b><u>Water Details</u></b>					
<b>Water ID:</b> 933456253					
<b>Layer:</b> 1					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 60.0					
<b>Water Found Depth UOM:</b> ft					

<a href="#">10</a>	1 of 1	ESE/117.8	79.4 / -0.42	McDonald's Restaurants of Canada Limited 886 March Rd Ottawa ON H9P 2V5	ECA
<b>Approval No:</b>	2706-9MJQ5V			<b>MOE District:</b>	
<b>Approval Date:</b>	2014-08-07			<b>City:</b>	
<b>Status:</b>	Approved			<b>Longitude:</b>	
<b>Record Type:</b>	ECA			<b>Latitude:</b>	
<b>Link Source:</b>	IDS			<b>Geometry X:</b>	
<b>SWP Area Name:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Project Type:</b>		MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Business Name:</b>		McDonald's Restaurants of Canada Limited			
<b>Address:</b>		886 March Rd			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		https://www.accessenvironment.ene.gov.on.ca/instruments/3363-9FZJC9-14.pdf			

<a href="#">11</a>	1 of 1	ESE/118.9	78.9 / -0.95	886 March Road Ottawa ON K2K 1X7	EHS
<b>Order No:</b>	20120611011			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	Kanata
<b>Report Type:</b>	Standard Select Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	12-JUN-12			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	11-JUN-12			<b>X:</b>	-75.936185
<b>Previous Site Name:</b>				<b>Y:</b>	45.359224
<b>Lot/Building Size:</b>	15,800sm				
<b>Additional Info Ordered:</b>					

<a href="#">12</a>	1 of 1	SE/156.4	79.9 / 0.05	ON	BORE
<b>Borehole ID:</b>	609823			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511438			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	JUN-1969			<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.358401
<b>Total Depth m:</b>	18.6			<b>Longitude DD:</b>	-75.936635
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	426641
<b>Drill Method:</b>				<b>Northing:</b>	5023192
<b>Orig Ground Elev m:</b>	78			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	77.7				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

#### Borehole Geology Stratum

<b>Geology Stratum ID:</b>	218384176	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	7.6	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	CLAY.		

<b>Geology Stratum ID:</b>	218384177	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	7.6	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	18.6	<b>Material Texture:</b>	
<b>Material Color:</b>	Black	<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	



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

**Material 3:**  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** SANDSTONE. 00060000870005800075 SEISMIC VELOCITY = 14600. FEET.BLACK. LIMESTONE.

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>		<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 02331 NTS_Sheet:		
<b>Confiden 1:</b>			

**Source List**

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

<a href="#">13</a>	1 of 1	SE/156.5	79.9 / 0.05	lot 11 con 4 ON	WWIS
--------------------	--------	----------	-------------	--------------------	------

<b>Well ID:</b>	1510247	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	10/30/1969
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1503
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	011
<b>Well Depth:</b>		<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1510247.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510247.pdf)

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

<b>Well Completed Date:</b>	1969/06/11
<b>Year Completed:</b>	1969
<b>Depth (m):</b>	18.5928
<b>Latitude:</b>	45.358399933516
<b>Longitude:</b>	-75.9366342487712
<b>Path:</b>	151\1510247.pdf

**Bore Hole Information**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Bore Hole ID:</b>	10032275			<b>Elevation:</b>	77.674873
<b>DP2BR:</b>	25.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	426640.60
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5023192.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	11-Jun-1969 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931014324				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	25.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931014325				
<b>Layer:</b>	2				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	18				
<b>Most Common Material:</b>	SANDSTONE				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	25.0				
<b>Formation End Depth:</b>	61.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>	961510247				
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10580845				
<b>Casing No:</b>	1				

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

Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930057146  
 Layer: 2  
 Material: 4  
 Open Hole or Material: OPEN HOLE  
 Depth From:  
 Depth To: 61  
 Casing Diameter: 5  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930057145  
 Layer: 1  
 Material: 1  
 Open Hole or Material: STEEL  
 Depth From:  
 Depth To: 28  
 Casing Diameter: 5  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991510247  
 Pump Set At:  
 Static Level: 5.0  
 Final Level After Pumping: 9.0  
 Recommended Pump Depth: 30.0  
 Pumping Rate: 10.0  
 Flowing Rate:  
 Recommended Pump Rate: 5.0  
 Levels UOM: ft  
 Rate UOM: GPM  
 Water State After Test Code: 2  
 Water State After Test: CLOUDY  
 Pumping Test Method: 1  
 Pumping Duration HR: 1  
 Pumping Duration MIN: 0  
 Flowing: No

**Water Details**

Water ID: 933465213  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 60.0  
 Water Found Depth UOM: ft

<a href="#">14</a>	1 of 1	W/160.3	79.9 / 0.05	lot 12 con 3 ON	WWIS
--------------------	--------	---------	-------------	--------------------	------

Well ID:	1516260	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	11/17/1977
Sec. Water Use:	0	Selected Flag:	True

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1558
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	012
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1516260.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516260.pdf)

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

**Well Completed Date:** 1977/10/04  
**Year Completed:** 1977  
**Depth (m):** 35.052  
**Latitude:** 45.359905841084  
**Longitude:** -75.9395957594026  
**Path:** 151\1516260.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10038190	<b>Elevation:</b>	77.210594
<b>DP2BR:</b>	11.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	426410.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5023362.00
<b>Open Hole:</b>		<b>Org CS:</b>	4
<b>Cluster Kind:</b>		<b>UTMRC:</b>	
<b>Date Completed:</b>	04-Oct-1977 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931031604  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 13  
**Mat2 Desc:** BOULDERS  
**Mat3:** 79  
**Mat3 Desc:** PACKED  
**Formation Top Depth:** 9.0  
**Formation End Depth:** 11.0  
**Formation End Depth UOM:** ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931031605			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>		18			
<b>Mat2 Desc:</b>		SANDSTONE			
<b>Mat3:</b>		73			
<b>Mat3 Desc:</b>		HARD			
<b>Formation Top Depth:</b>		11.0			
<b>Formation End Depth:</b>		35.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931031603			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		79			
<b>Mat2 Desc:</b>		PACKED			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		9.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931031606			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		35.0			
<b>Formation End Depth:</b>		115.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961516260			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10586760			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930067186				
<b>Layer:</b>	2				
<b>Material:</b>	4				
<b>Open Hole or Material:</b>	OPEN HOLE				
<b>Depth From:</b>					
<b>Depth To:</b>	115				
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930067185				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	22				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	991516260				
<b>Pump Set At:</b>					
<b>Static Level:</b>	20.0				
<b>Final Level After Pumping:</b>	70.0				
<b>Recommended Pump Depth:</b>	75.0				
<b>Pumping Rate:</b>	15.0				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	5.0				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	No				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934101771				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	15				
<b>Test Level:</b>	70.0				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934640906				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	45				
<b>Test Level:</b>	70.0				
<b>Test Level UOM:</b>	ft				

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

**Draw Down & Recovery**

**Pump Test Detail ID:** 934898808  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 70.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934379814  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 70.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933472534  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 113.0  
**Water Found Depth UOM:** ft

<a href="#">15</a>	1 of 1	SE/167.9	80.9 / 1.10	886 MARCH ROAD lot 11 con 4 CARP ON	WWIS
--------------------	--------	----------	-------------	--	------

<p><b>Well ID:</b> 7049297  <b>Construction Date:</b>  <b>Primary Water Use:</b>  <b>Sec. Water Use:</b>  <b>Final Well Status:</b> Abandoned-Other  <b>Water Type:</b>  <b>Casing Material:</b>  <b>Audit No:</b> Z60172  <b>Tag:</b>  <b>Construction Method:</b>  <b>Elevation (m):</b>  <b>Elevation Reliability:</b>  <b>Depth to Bedrock:</b>  <b>Well Depth:</b>  <b>Overburden/Bedrock:</b>  <b>Pump Rate:</b>  <b>Static Water Level:</b>  <b>Flowing (Y/N):</b>  <b>Flow Rate:</b>  <b>Clear/Cloudy:</b></p>	<p><b>Data Entry Status:</b>  <b>Data Src:</b>  <b>Date Received:</b> 9/17/2007  <b>Selected Flag:</b> True  <b>Abandonment Rec:</b> Yes  <b>Contractor:</b> 1119  <b>Form Version:</b> 4  <b>Owner:</b>  <b>Street Name:</b> 886 MARCH ROAD  <b>County:</b> OTTAWA  <b>Municipality:</b> MARCH TOWNSHIP  <b>Site Info:</b>  <b>Lot:</b> 011  <b>Concession:</b> 04  <b>Concession Name:</b> CON  <b>Easting NAD83:</b>  <b>Northing NAD83:</b>  <b>Zone:</b>  <b>UTM Reliability:</b></p>
--	--

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/704\7049297.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7049297.pdf)

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

**Well Completed Date:** 2007/08/02  
**Year Completed:** 2007  
**Depth (m):**  
**Latitude:** 45.3583104972882  
**Longitude:** -75.9365638273091  
**Path:** 704\7049297.pdf

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	23049297			<b>Elevation:</b>	77.812026
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	426646.00
<b>Code OB Desc:</b>				<b>North83:</b>	5023182.00
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	3
<b>Date Completed:</b>	02-Aug-2007 00:00:00			<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	1000025640				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>					
<b>Most Common Material:</b>					
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1000025642				
<b>Layer:</b>	2				
<b>Plug From:</b>	0.150000005960464				
<b>Plug To:</b>	0				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1000025641				
<b>Layer:</b>	1				
<b>Plug From:</b>	24.0799999237061				
<b>Plug To:</b>	0.150000005960464				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>	1000025645				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		1000025638			
Casing No:		0			
Comment:					
Alt Name:					
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1000025644			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		1000025639			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<b><u>Water Details</u></b>					
Water ID:		1000025643			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			

[16](#)

1 of 1

SSE/170.1

81.2 / 1.38

lot 11 con 3  
ON

WWIS

**Well ID:** 1503356  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 6/25/1965  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 4216  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**  
**Lot:** 011

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503356.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503356.pdf)

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

Well Completed Date: 1965/05/28  
Year Completed: 1965  
Depth (m): 13.1064  
Latitude: 45.3581246924318  
Longitude: -75.9372680922699  
Path: 150\1503356.pdf

**Bore Hole Information**

Bore Hole ID:	10025399	Elevation:	78.960632
DP2BR:	11.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426590.60
Code OB Desc:	Bedrock	North83:	5023162.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	28-May-1965 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 930996652  
Layer: 2  
Color: 7  
General Color: RED  
Mat1: 21  
Most Common Material: GRANITE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 11.0  
Formation End Depth: 43.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 930996651  
Layer: 1  
Color:  
General Color:  
Mat1: 05

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		11.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503356			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573969			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043550			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		43			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043549			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		15			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503356			
<b>Pump Set At:</b>					
<b>Static Level:</b>		7.0			
<b>Final Level After Pumping:</b>		17.0			
<b>Recommended Pump Depth:</b>		25.0			
<b>Pumping Rate:</b>		5.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	No				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	933456250				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	43.0				
<b>Water Found Depth UOM:</b>	ft				

<a href="#">17</a>	1 of 1	<b>NNE/173.9</b>	<b>78.0 / -1.86</b>	<b>ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7201372			<b>Data Entry Status:</b>	Yes
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>				<b>Date Received:</b>	5/9/2013
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>				<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1844
<b>Casing Material:</b>				<b>Form Version:</b>	8
<b>Audit No:</b>	C21215			<b>Owner:</b>	
<b>Tag:</b>	A130127			<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

PDF URL (Map):

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

<b>Well Completed Date:</b>	2012/09/07
<b>Year Completed:</b>	2012
<b>Depth (m):</b>	
<b>Latitude:</b>	45.3610903928767
<b>Longitude:</b>	-75.936750146618
<b>Path:</b>	

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004290600	<b>Elevation:</b>	74.394798
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	426635.00
<b>Code OB Desc:</b>		<b>North83:</b>	5023491.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	07-Sep-2012 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					

<a href="#">18</a>	1 of 1	NNW/176.9	79.9 / 0.05	lot 12 con 4 ON	WWIS
<b>Well ID:</b>	1503414			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	7/6/1964
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1503
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	012
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503414.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503414.pdf)

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

**Well Completed Date:** 1964/02/06  
**Year Completed:** 1964  
**Depth (m):** 15.5448  
**Latitude:** 45.3610847823681  
**Longitude:** -75.9385299638792  
**Path:** 150\1503414.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025457	<b>Elevation:</b>	77.912040
<b>DP2BR:</b>	9.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	426495.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5023492.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	06-Feb-1964 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996776

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		13			
<b>Mat2 Desc:</b>		BOULDERS			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		9.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930996778			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		21			
<b>Most Common Material:</b>		GRANITE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		40.0			
<b>Formation End Depth:</b>		51.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930996777			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		9.0			
<b>Formation End Depth:</b>		40.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503414			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574027			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					

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

**Construction Record - Casing**

Casing ID: 930043663  
 Layer: 1  
 Material: 1  
 Open Hole or Material: STEEL  
 Depth From:  
 Depth To: 18  
 Casing Diameter: 5  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930043664  
 Layer: 2  
 Material: 4  
 Open Hole or Material: OPEN HOLE  
 Depth From:  
 Depth To: 51  
 Casing Diameter: 5  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991503414  
 Pump Set At:  
 Static Level: 11.0  
 Final Level After Pumping: 11.0  
 Recommended Pump Depth: 40.0  
 Pumping Rate: 10.0  
 Flowing Rate:  
 Recommended Pump Rate: 5.0  
 Levels UOM: ft  
 Rate UOM: GPM  
 Water State After Test Code: 2  
 Water State After Test: CLOUDY  
 Pumping Test Method: 1  
 Pumping Duration HR: 1  
 Pumping Duration MIN: 0  
 Flowing: No

**Water Details**

Water ID: 933456319  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 50.0  
 Water Found Depth UOM: ft

**19**      1 of 1      **NNW/177.0**      **79.9 / 0.05**      **ON**      **BORE**

Borehole ID:	609833	Inclin FLG:	No
OGF ID:	215511448	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	FEB-1964	Municipality:	
Static Water Level:	5.8	Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> 15.5 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> 79.2 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 77.9 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>				<b>Township:</b> <b>Latitude DD:</b> 45.361086 <b>Longitude DD:</b> -75.93853 <b>UTM Zone:</b> 18 <b>Easting:</b> 426496 <b>Northing:</b> 5023492 <b>Location Accuracy:</b> <b>Accuracy:</b> Not Applicable	

### Borehole Geology Stratum

<b>Geology Stratum ID:</b> 218384199 <b>Top Depth:</b> 0 <b>Bottom Depth:</b> 2.7 <b>Material Color:</b> <b>Material 1:</b> Clay <b>Material 2:</b> Boulders <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> CLAY,BOULDERS.	<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>
<b>Geology Stratum ID:</b> 218384200 <b>Top Depth:</b> 2.7 <b>Bottom Depth:</b> 12.2 <b>Material Color:</b> <b>Material 1:</b> Sandstone <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> SANDSTONE.	<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>
<b>Geology Stratum ID:</b> 218384201 <b>Top Depth:</b> 12.2 <b>Bottom Depth:</b> 15.5 <b>Material Color:</b> Black <b>Material 1:</b> Granite <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> GRANITE. 00050STONE. WATER STABLE AT 241.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE. BLA **Note: Many records provided by the department have a truncated [Stratum Description] field.	<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>

### Source

<b>Source Type:</b> Data Survey <b>Source Orig:</b> Geological Survey of Canada <b>Source Date:</b> 1956-1972 <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Details:</b> File: OTTAWA1.txt RecordID: 02341 NTS_Sheet: <b>Confiden 1:</b>	<b>Source Appl:</b> Spatial/Tabular <b>Source Iden:</b> 1 <b>Scale or Res:</b> Varies <b>Horizontal:</b> NAD27 <b>Verticalda:</b> Mean Average Sea Level
--	--

### Source List



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Source Identifier:</b> 1 <b>Source Type:</b> Data Survey <b>Source Date:</b> 1956-1972 <b>Scale or Resolution:</b> Varies <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Originators:</b> Geological Survey of Canada <b>Horizontal Datum:</b> NAD27 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transverse Mercator					
<a href="#">20</a>	1 of 2	SE/180.0	80.9 / 1.10	858 March Rd,Kanata ON	PINC
<b>Incident ID:</b> 2682198 <b>Incident No:</b> 525800 <b>Incident Reported Dt:</b> <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> Pipeline Damage Reason Est <b>Tank Status:</b> RC Established <b>Task No:</b> 3215894 <b>Spills Action Centre:</b> <b>Fuel Type:</b> Natural Gas <b>Fuel Occurrence Tp:</b> Pipeline Strike <b>Date of Occurrence:</b> 1/6/2011 0:00 <b>Occurrence Start Dt:</b> 2011/02/09 <b>Depth:</b> <b>Customer Acct Name:</b> <b>Incident Address:</b> <b>Operation Type:</b> Construction Site (including excavation) <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> 858 March Rd,Kanata - 1 1/4" PE Pipeline Hit <b>Reported By:</b> Stiles, Jeff - Enbridge <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>Occurrence Desc:</b> no locates with operator <b>Damage Reason:</b> Excavation practices not sufficient <b>Notes:</b>					
<b>Pipe Material:</b> <b>Fuel Category:</b> Natural Gas <b>Health Impact:</b> No <b>Environment Impact:</b> No <b>Property Damage:</b> Yes <b>Service Interrupt:</b> Yes <b>Enforce Policy:</b> Yes <b>Public Relation:</b> No <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> FS-Perform P-line Inc Invest <b>Regulator Location:</b> <b>Method Details:</b> E-mail					
<a href="#">20</a>	2 of 2	SE/180.0	80.9 / 1.10	858 MARCH ROAD, KANATA ON K2W 0C9	PINC
<b>Incident ID:</b> 2685528 <b>Incident No:</b> 529122 <b>Incident Reported Dt:</b> <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> Pipeline Damage Reason Est <b>Tank Status:</b> <b>Task No:</b> <b>Spills Action Centre:</b> N/A <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> <b>Incident Address:</b> <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> 858 MARCH ROAD, KANATA - 1 1/4" PIPELINE HIT <b>Reported By:</b> JEFF STILES - ENBRIDGE OTTAWA <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>					
<b>Pipe Material:</b> <b>Fuel Category:</b> Heating Fuel <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">21</a>	1 of 2	E/191.8	75.9 / -3.92	Klondike Developments Inc. 870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	ECA
<b>Approval No:</b> 0215-79MK7R <b>Approval Date:</b> 2007-12-06 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> <b>Approval Type:</b> ECA-Municipal Drinking Water Systems <b>Project Type:</b> Municipal Drinking Water Systems <b>Business Name:</b> Klondike Developments Inc. <b>Address:</b> 870 March Rd and 1001 Klondike Road <b>Full Address:</b> <b>Full PDF Link:</b>					
<a href="#">21</a>	2 of 2	E/191.8	75.9 / -3.92	Klondike Developments Inc. 870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	ECA
<b>Approval No:</b> 0048-79MQC5 <b>Approval Date:</b> 2007-12-06 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> Klondike Developments Inc. <b>Address:</b> 870 March Rd and 1001 Klondike Road <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3771-79KQRW-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3771-79KQRW-14.pdf</a>					
<a href="#">22</a>	1 of 1	W/197.8	79.8 / -0.03	927 MARCH RD lot 3 con 11 KANATA ON	WWIS
<b>Well ID:</b> 1536459 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z46998 <b>Tag:</b> A035457 <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 7/11/2006 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 1558 <b>Form Version:</b> 3 <b>Owner:</b> <b>Street Name:</b> 927 MARCH RD <b>County:</b> OTTAWA <b>Municipality:</b> MARCH TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 003 <b>Concession:</b> 11 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>					
<b>PDF URL (Map):</b> <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536459.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536459.pdf</a>					

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

Additional Detail(s) (Map)

Well Completed Date: 2006/06/27  
 Year Completed: 2006  
 Depth (m): 22.24  
 Latitude: 45.3600552087237  
 Longitude: -75.9400400092238  
 Path: 153\1536459.pdf

Bore Hole Information

Bore Hole ID:	11550525	Elevation:	78.208000
DP2BR:	6.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426376.00
Code OB Desc:	Bedrock	North83:	5023379.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	27-Jun-2006 00:00:00	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 933057102  
 Layer: 1  
 Color: 6  
 General Color: BROWN  
 Mat1: 05  
 Most Common Material: CLAY  
 Mat2: 79  
 Mat2 Desc: PACKED  
 Mat3:  
 Mat3 Desc:  
 Formation Top Depth: 0.0  
 Formation End Depth: 1.9800000190734863  
 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 933057103  
 Layer: 2  
 Color: 2  
 General Color: GREY  
 Mat1: 15  
 Most Common Material: LIMESTONE  
 Mat2: 73  
 Mat2 Desc: HARD  
 Mat3:  
 Mat3 Desc:  
 Formation Top Depth: 1.9800000190734863  
 Formation End Depth: 12.1899995803833  
 Formation End Depth UOM: m

Overburden and Bedrock

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		933057104			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>		73			
<b>Mat2 Desc:</b>		HARD			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		12.1899995803833			
<b>Formation End Depth:</b>		22.239999771118164			
<b>Formation End Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961536459			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11560132			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930879943			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>		9.75			
<b>Depth To:</b>		22.2399997711182			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930879942			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-0.449999988079071			
<b>Depth To:</b>		9.75			
<b>Casing Diameter:</b>		15.8599996566772			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		11569512			
<b>Pump Set At:</b>		19.809999465942383			
<b>Static Level:</b>		3.5999999046325684			
<b>Final Level After Pumping:</b>		5.050000190734863			
<b>Recommended Pump Depth:</b>		15.229999542236328			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pumping Rate:</b>		54.599998474121094			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		45.5			
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		3			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624174			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		3.8499999046325684			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624516			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		4.360000133514404			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624518			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		4.46999979019165			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624523			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		4.079999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624169			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		4.900000095367432			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624171			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		4.849999904632568			
<b>Test Level UOM:</b>		m			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624177			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		4.75			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624517			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		4.309999942779541			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624519			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		4.21999979019165			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624522			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		4.659999847412109			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624173			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		4.820000171661377			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624178			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		4.03000020980835			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624515			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		4.369999885559082			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11624521			
<b>Test Type:</b>		Recovery			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>			50		
<i>Test Level:</i>			4.150000095367432		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624170		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			2		
<i>Test Level:</i>			3.809999942779541		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624172		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			3		
<i>Test Level:</i>			3.809999942779541		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624168		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			1		
<i>Test Level:</i>			3.7300000190734863		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624181		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			4.519999980926514		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624520		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			50		
<i>Test Level:</i>			4.570000171661377		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624175		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			4		
<i>Test Level:</i>			4.78000020980835		
<i>Test Level UOM:</i>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<i>Pump Test Detail ID:</i>			11624176		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			5		
<i>Test Level:</i>			3.869999885559082		
<i>Test Level UOM:</i>			m		

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624179		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			10		
<b>Test Level:</b>			4.610000133514404		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624180		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			4.130000114440918		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624512		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			20		
<b>Test Level:</b>			4.21999979019165		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624513		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			20		
<b>Test Level:</b>			4.449999809265137		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11624514		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			25		
<b>Test Level:</b>			4.300000190734863		
<b>Test Level UOM:</b>			m		
<b><u>Water Details</u></b>					
<b>Water ID:</b>			934077245		
<b>Layer:</b>			3		
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>			21.940000534057617		
<b>Water Found Depth UOM:</b>			m		
<b><u>Water Details</u></b>					
<b>Water ID:</b>			934077247		
<b>Layer:</b>			1		
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>			14.020000457763672		
<b>Water Found Depth UOM:</b>			m		
<b><u>Water Details</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water ID:</b> 934077246					
<b>Layer:</b> 2					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b> 19.809999465942383					
<b>Water Found Depth UOM:</b> m					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 11681233					
<b>Diameter:</b> 15.550000190734863					
<b>Depth From:</b> 9.75					
<b>Depth To:</b> 22.239999771118164					
<b>Hole Depth UOM:</b> m					
<b>Hole Diameter UOM:</b> cm					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 11681232					
<b>Diameter:</b> 22.75					
<b>Depth From:</b> 0.0					
<b>Depth To:</b> 9.75					
<b>Hole Depth UOM:</b> m					
<b>Hole Diameter UOM:</b> cm					

<a href="#">23</a>	1 of 2	WNW/210.4	79.9 / 0.05	941 MARCH RD lot 11 con 4 KANATA ON	WWIS
<b>Well ID:</b> 1536624					
<b>Construction Date:</b>					
<b>Primary Water Use:</b>					
<b>Sec. Water Use:</b>					
<b>Final Well Status:</b> Abandoned-Other					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b> Z47023					
<b>Tag:</b>					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b>					
<b>Date Received:</b> 8/25/2006					
<b>Selected Flag:</b> True					
<b>Abandonment Rec:</b> Yes					
<b>Contractor:</b> 1558					
<b>Form Version:</b> 3					
<b>Owner:</b>					
<b>Street Name:</b> 941 MARCH RD					
<b>County:</b> OTTAWA					
<b>Municipality:</b> MARCH TOWNSHIP					
<b>Site Info:</b>					
<b>Lot:</b> 011					
<b>Concession:</b> 04					
<b>Concession Name:</b> CON					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1536624.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf)

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

**Well Completed Date:** 2006/07/20  
**Year Completed:** 2006  
**Depth (m):**  
**Latitude:** 45.3606326888647  
**Longitude:** -75.9398708171799  
**Path:** 153\1536624.pdf

**Bore Hole Information**

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

**Bore Hole ID:** 11550690  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** \_  
**Code OB Desc:** No formation data  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 20-Jul-2006 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:** 79.611900  
**Elevrc:**  
**Zone:** 18  
**East83:** 426390.00  
**North83:** 5023443.00  
**Org CS:** UTM83  
**UTMRC:** 3  
**UTMRC Desc:** margin of error : 10 - 30 m  
**Location Method:** wwr

**Method of Construction & Well Use**

**Method Construction ID:** 961536624  
**Method Construction Code:**  
**Method Construction:**  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11560297  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

<a href="#">23</a>	2 of 2	WNW/210.4	79.9 / 0.05	941 MARCH RD lot 11 con 4 KANATA ON	WWIS
--------------------	--------	-----------	-------------	--	------

**Well ID:** 1536625  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z47021  
**Tag:** A041907  
**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:** 8/25/2006  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1558  
**Form Version:** 3  
**Owner:**  
**Street Name:** 941 MARCH RD  
**County:** OTTAWA  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**  
**Lot:** 011  
**Concession:** 04  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1536625.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536625.pdf)

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

**Well Completed Date:** 2006/07/18  
**Year Completed:** 2006

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth (m):		22.24			
Latitude:		45.3606326888647			
Longitude:		-75.9398708171799			
Path:		153\1536625.pdf			

**Bore Hole Information**

<b>Bore Hole ID:</b>	11550691	<b>Elevation:</b>	79.611900
<b>DP2BR:</b>	9.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	426390.00
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5023443.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3
<b>Date Completed:</b>	18-Jul-2006 00:00:00	<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	933067349
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	2.740000009536743
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	933067350
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	15
<b>Most Common Material:</b>	LIMESTONE
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	2.740000009536743
<b>Formation End Depth:</b>	11.579999923706055
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	933067351
<b>Layer:</b>	3

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		11.579999923706055			
<b>Formation End Depth:</b>		22.239999771118164			
<b>Formation End Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961536625			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11560298			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930885343			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>		6.40000009536743			
<b>Depth To:</b>		22.2399997711182			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930885342			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-0.449999988079071			
<b>Depth To:</b>		6.40000009536743			
<b>Casing Diameter:</b>		15.8599996566772			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		11569622			
<b>Pump Set At:</b>		18.280000686645508			
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>		7.010000228881836			
<b>Recommended Pump Depth:</b>		15.229999542236328			
<b>Pumping Rate:</b>		50.04999923706055			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		45.5			
<b>Levels UOM:</b>		m			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669561			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>	1				
<b>Test Level:</b>		5.829999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669564			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>	2				
<b>Test Level:</b>		5.409999847412109			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669565			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>	3				
<b>Test Level:</b>		6.210000038146973			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669578			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>	25				
<b>Test Level:</b>		5.119999885559082			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669579			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>	30				
<b>Test Level:</b>		6.789999961853027			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669583			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>	50				
<b>Test Level:</b>		6.940000057220459			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669585			
<b>Test Type:</b>		Draw Down			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Duration:</b>		60			
<b>Test Level:</b>		7.010000228881836			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669562			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		5.460000038146973			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669575			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		6.690000057220459			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669569			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		6.349999904632568			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669573			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		6.619999885559082			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669567			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		4			
<b>Test Level:</b>		6.300000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669570			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		5.340000152587891			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669571			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		6.5			
<b>Test Level UOM:</b>		m			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669574		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			5.159999847412109		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669580		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			30		
<b>Test Level:</b>			5.099999904632568		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669586		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			60		
<b>Test Level:</b>			5.019999980926514		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669572		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			10		
<b>Test Level:</b>			5.230000019073486		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669577		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			25		
<b>Test Level:</b>			6.760000228881836		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669563		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			6.079999923706055		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669568		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			4		
<b>Test Level:</b>			5.360000133514404		
<b>Test Level UOM:</b>			m		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			11669576		

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		5.139999866485596			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669582			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		5.070000171661377			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669584			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		5.039999961853027			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669566			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		5.389999866485596			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11669581			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		6.880000114440918			
<b>Test Level UOM:</b>		m			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934079370			
<b>Layer:</b>		1			
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>		20.719999313354492			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11681419			
<b>Diameter:</b>		22.75			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		6.400000095367432			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11681418			
<b>Diameter:</b>		15.229999542236328			
<b>Depth From:</b>		6.400000095367432			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		22.239999771118164			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>24</u>	1 of 1	WSW/210.9	81.9 / 2.05	ON	BORE
<b>Borehole ID:</b>	609824			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511439			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>				<b>Municipality:</b>	
<b>Static Water Level:</b>	1.2			<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.358466
<b>Total Depth m:</b>	-999			<b>Longitude DD:</b>	-75.9397
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	426401
<b>Drill Method:</b>				<b>Northing:</b>	5023202
<b>Orig Ground Elev m:</b>	80.8			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	80				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218384178			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	3.4			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY.				
<b>Geology Stratum ID:</b>	218384179			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	3.4			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>	Black			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Granite			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BEDROCK,GRANITE. WATER STABLE AT 261.0 FEET. VELOCITY = 14600. FEET.BLACK. LIMESTONE.				

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M	<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 023320 NTS_Sheet: 31G05D		
<b>Confiden 1:</b>	Reliable information but incomplete.		

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

<a href="#">25</a>	1 of 1	SE/225.0	80.8 / 0.97	lot 11 con 4 ON	WWIS
<b>Well ID:</b>	1503413			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	2/20/1962
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	4825
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503413.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503413.pdf)

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

**Well Completed Date:** 1961/11/12  
**Year Completed:** 1961  
**Depth (m):** 11.5824  
**Latitude:** 45.3579551585677  
**Longitude:** -75.935988527227  
**Path:** 150\1503413.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025456	<b>Elevation:</b>	77.416564
<b>DP2BR:</b>	22.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	426690.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5023142.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	12-Nov-1961 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			930996773		
<b>Layer:</b>			1		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			0.0		
<b>Formation End Depth:</b>			16.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			930996774		
<b>Layer:</b>			2		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			14		
<b>Most Common Material:</b>			HARDPAN		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			16.0		
<b>Formation End Depth:</b>			22.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			930996775		
<b>Layer:</b>			3		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			18		
<b>Most Common Material:</b>			SANDSTONE		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			22.0		
<b>Formation End Depth:</b>			38.0		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>			961503413		
<b>Method Construction Code:</b>			1		
<b>Method Construction:</b>			Cable Tool		
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>			10574026		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No: Comment: Alt Name:	1				
<b><u>Construction Record - Casing</u></b>					
Casing ID:	930043661				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	24				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<b><u>Construction Record - Casing</u></b>					
Casing ID:	930043662				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	38				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:	991503413				
Pump Set At:					
Static Level:	10.0				
Final Level After Pumping:	14.0				
Recommended Pump Depth:	30.0				
Pumping Rate:	6.0				
Flowing Rate:					
Recommended Pump Rate:	5.0				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	2				
Water State After Test:	CLOUDY				
Pumping Test Method:	1				
Pumping Duration HR:	0				
Pumping Duration MIN:	30				
Flowing:	No				
<b><u>Water Details</u></b>					
Water ID:	933456318				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	37.0				
Water Found Depth UOM:	ft				
<a href="#">26</a>	1 of 1	SE/228.3	80.8 / 0.97	860 MARCH RD. lot 11 con 4 KANATA ON	WWIS
Well ID:	7112943			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	10/14/2008

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
<b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	 Abandoned-Other  Z84392			<b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	 True Yes 1558 7  860 MARCH RD. OTTAWA MARCH TOWNSHIP  011 04 CON      	
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7112943.pdf				
<b><u>Additional Detail(s) (Map)</u></b>						
<b>Well Completed Date:</b> <b>Year Completed:</b> <b>Depth (m):</b> <b>Latitude:</b> <b>Longitude:</b> <b>Path:</b>	 2008/09/05 2008  45.3579649328805 -75.9358942076924 711\7112943.pdf					
<b><u>Bore Hole Information</u></b>						
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	 1001835768      05-Sep-2008 00:00:00       			<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>	 77.300338  18 426698.00 5023143.00 UTM83 3 margin of error : 10 - 30 m wwr	
<b><u>Annular Space/Abandonment Sealing Record</u></b>						
<b>Plug ID:</b> <b>Layer:</b> <b>Plug From:</b> <b>Plug To:</b> <b>Plug Depth UOM:</b>	 1001937898 1   m					
<b><u>Method of Construction &amp; Well Use</u></b>						
<b>Method Construction ID:</b> <b>Method Construction Code:</b> <b>Method Construction:</b>	 1001937902  					

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

**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 1001937895  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1001937900  
**Layer:**  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:**  
**Casing Diameter:**  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1001937901  
**Layer:**  
**Slot:**  
**Screen Top Depth:**  
**Screen End Depth:**  
**Screen Material:**  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:**

**Water Details**

**Water ID:** 1001937899  
**Layer:**  
**Kind Code:**  
**Kind:**  
**Water Found Depth:**  
**Water Found Depth UOM:** m

**Hole Diameter**

**Hole ID:** 1001937897  
**Diameter:**  
**Depth From:**  
**Depth To:**  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

<a href="#">27</a>	1 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
<b>Order No:</b>	20200417004			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	17-APR-20			<b>X:</b>	-75.9404444
<b>Previous Site Name:</b>				<b>Y:</b>	45.3600417
<b>Lot/Building Size:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Additional Info Ordered:</i>					
<a href="#">27</a>	2 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
<b>Order No:</b>	20200417004			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	17-APR-20			<b>X:</b>	-75.9404444
<b>Previous Site Name:</b>				<b>Y:</b>	45.3600417
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">27</a>	3 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
<b>Order No:</b>	20200417004			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	17-APR-20			<b>X:</b>	-75.9404444
<b>Previous Site Name:</b>				<b>Y:</b>	45.3600417
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">27</a>	4 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
<b>Order No:</b>	20200417004			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	17-APR-20			<b>X:</b>	-75.9404444
<b>Previous Site Name:</b>				<b>Y:</b>	45.3600417
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">27</a>	5 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
<b>Order No:</b>	20200417004			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Standard Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	22-APR-20			<b>Search Radius (km):</b>	.25
<b>Date Received:</b>	17-APR-20			<b>X:</b>	-75.9404444
<b>Previous Site Name:</b>				<b>Y:</b>	45.3600417
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">28</a>	1 of 1	SE/229.4	81.6 / 1.75	PRIVATE OWNER RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	SPL
<b>Ref No:</b>	72862			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident Dt:</b>	6/30/1992			<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	PIPE/HOSE LEAK			<b>Sector Type:</b>	
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>				<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>				<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	POSSIBLE			<b>Site Municipality:</b>	20101
<b>Nature of Impact:</b>	Soil Contamination			<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND			<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>				<b>Easting:</b>	REPORT FAXED TO MCCR
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	6/30/1992			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>				<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	EQUIPMENT FAILURE			<b>Source Type:</b>	
<b>Site Name:</b>					
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	FURNACE OIL TO GROUND FROM FILL PIPE AT PRIVATE RESIDENCE.				
<b>Contaminant Qty:</b>					

<a href="#">29</a>	1 of 1	SW/239.2	82.9 / 3.05	lot 11 con 3 ON	WWIS
<b>Well ID:</b>	1516836			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	12/18/1978
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1558
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	011
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1516836.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516836.pdf)

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

**Well Completed Date:** 1978/11/08  
**Year Completed:** 1978  
**Depth (m):** 38.1  
**Latitude:** 45.3577500054845  
**Longitude:** -75.9390493718151  
**Path:** 151\1516836.pdf

**Bore Hole Information**

**Bore Hole ID:** 10038731 **Elevation:** 80.718208



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>DP2BR:</b>	2.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	426450.60
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5023122.00
<b>Open Hole:</b>				<b>Org CS:</b>	4
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	08-Nov-1978 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931033310  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 77  
**Mat2 Desc:** LOOSE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931033311  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:** 74  
**Mat2 Desc:** LAYERED  
**Mat3:** 73  
**Mat3 Desc:** HARD  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 125.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961516836  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10587301  
**Casing No:** 1  
**Comment:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930067990			
<b>Layer:</b>		3			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		125			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930067988			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		22			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930067989			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		55			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991516836			
<b>Pump Set At:</b>					
<b>Static Level:</b>		25.0			
<b>Final Level After Pumping:</b>		50.0			
<b>Recommended Pump Depth:</b>		75.0			
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934900558			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		50.0			
Test Level UOM:		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
Pump Test Detail ID:		934102405			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		50.0			
Test Level UOM:		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
Pump Test Detail ID:		934381984			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		50.0			
Test Level UOM:		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
Pump Test Detail ID:		934643074			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		50.0			
Test Level UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933473210			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120.0			
Water Found Depth UOM:		ft			

**30**      1 of 1      **WNW/241.4**      **80.9 / 1.05**      **ON**      **BORE**

<b>Borehole ID:</b>	609830	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511445	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>		<b>Municipality:</b>	
<b>Static Water Level:</b>	4.3	<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.36035
<b>Total Depth m:</b>	-999	<b>Longitude DD:</b>	-75.940497
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	426341
<b>Drill Method:</b>		<b>Northing:</b>	5023412
<b>Orig Ground Elev m:</b>	77.7	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	80.6		
<b>Concession:</b>			
<b>Location D:</b>			
<b>Survey D:</b>			
<b>Comments:</b>			

**Borehole Geology Stratum**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Geology Stratum ID:</b> 218384194 <b>Top Depth:</b> 3.7 <b>Bottom Depth:</b> 11.6 <b>Material Color:</b> <b>Material 1:</b> Bedrock <b>Material 2:</b> Limestone <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> BEDROCK,LIMESTONE.				<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> 218384195 <b>Top Depth:</b> 11.6 <b>Bottom Depth:</b> <b>Material Color:</b> Black <b>Material 1:</b> Bedrock <b>Material 2:</b> Sandstone <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> BEDROCK,SANDSTONE. WATER STABLE AT 241.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE. BLACK. L				<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	<b>**Note:</b> Many records provided by the department have a truncated [Stratum Description] field.
<b>Geology Stratum ID:</b> 218384193 <b>Top Depth:</b> 0 <b>Bottom Depth:</b> 3.7 <b>Material Color:</b> <b>Material 1:</b> Clay <b>Material 2:</b> Gravel <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> CLAY,GRAVEL.				<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b><u>Source</u></b>					
<b>Source Type:</b> Data Survey <b>Source Orig:</b> Geological Survey of Canada <b>Source Date:</b> 1956-1972 <b>Confidence:</b> M <b>Observatio:</b> <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Details:</b> File: OTTAWA1.txt RecordID: 023380 NTS_Sheet: 31G05D <b>Confiden 1:</b> Reliable information but incomplete.				<b>Source Appl:</b> Spatial/Tabular <b>Source Iden:</b> 1 <b>Scale or Res:</b> Varies <b>Horizontal:</b> NAD27 <b>Verticalda:</b> Mean Average Sea Level	
<b><u>Source List</u></b>					
<b>Source Identifier:</b> 1 <b>Source Type:</b> Data Survey <b>Source Date:</b> 1956-1972 <b>Scale or Resolution:</b> Varies <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Originators:</b> Geological Survey of Canada				<b>Horizontal Datum:</b> NAD27 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transverse Mercator	

# Unplottable Summary

Total: **24** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 11 Con 3	Kanata ON	
CA	Klondike Developments Inc.		Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
CA	City of Ottawa	From Morgan's Grant Way to Old Carp Rd (Halton Terrace Extension)	Ottawa ON	
CA	Hugh Robert Sparks	Lot 12, Conc. 3, March Tp	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	
CA	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
DTNK	SHELL C10235 ATTN ROB DUPUIS	HWY 49 R R 2	CARP ON	
EBR	West Carleton Sand & Gravel	McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY OF OTTAWA	ON	
EBR	Marcel Brazeau Ltd.	Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA	ON	
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	Kanata North Landowners Group Inc.	March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road	Ottawa ON	K1R 7Y2
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	City of Ottawa	March Road and Halton Terrace	Ottawa ON	K1P 1J1
EHS		Hwy 49	Carp ON	
LIMO	Pierces Corners Landfill The Corporation of the Township of Rideau City of	Ottawa Part of Lot 11, Concession 3 Ottawa	ON	

NCPL	West Carleton Sand & Gravel Inc.	Lot 11-14, Conc 4	Ottawa ON
PRT	ROBS SHELL	HWY 49	CARP ON
PRT	ROB'S SHELL ROB DUPUIS	HWY 49	CARP ON
PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3, Ottawa, City	CITY OF OTTAWA ON
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON
SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON
WWIS		lot 12	ON

# Unplottable Report

---

**Site:** Lot 11 Con 3 Kanata ON

**Database:**  
AAGR

**Type:** Quarry  
**Region/County:** Ottawa-Carleton  
**Township:** Kanata  
**Concession:** 3  
**Lot:** 11  
**Size (ha):** 0.5  
**Landuse:**  
**Comments:**

---

**Site:** Klondike Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2785-6SHLAU  
**Application Year:** 2006  
**Issue Date:** 8/11/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Klondike Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3603-6XAVNJ  
**Application Year:** 2007  
**Issue Date:** 2/5/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** City of Ottawa  
From Morgan's Grant Way to Old Carp Rd (Halton Terrace Extension) Ottawa ON

**Database:**  
CA

**Certificate #:** 1426-7VSV6P  
**Application Year:** 2009  
**Issue Date:** 9/16/2009  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**

**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Hugh Robert Sparks**  
**Lot 12, Conc. 3, March Tp Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 7694-6AHJ4J  
**Application Year:** 2005  
**Issue Date:** 3/17/2005  
**Approval Type:** Waste Management Systems  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **R.M. OF OTTAWA-CARLETON**  
**MARCH ROAD RECON., SWM FAC. KANATA CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-0372-96-  
**Application Year:** 96  
**Issue Date:** 6/20/1996  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Morgan's Grant**  
**Part of Lot 11, Concession 3 Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 8692-54QSUG  
**Application Year:** 01  
**Issue Date:** 12/21/01  
**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:** Stormwater management facility providing water quantity and quality control.  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Klondike Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 7943-6PNT68  
**Application Year:** 2006



**Issue Date:** 6/30/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** SHELL C10235 ATTN ROB DUPUIS  
HWY 49 R R 2 CARP ON

**Database:**  
DTNK

**Delisted Expired Fuel Safety  
Facilities**

**Instance No:** 46799025  
**Status:** EXPIRED  
**Instance ID:** 319282  
**Instance Type:** FS Facility  
**Description:** FS Cylinder Exchange  
**TSSA Program Area:**  
**Maximum Hazard Rank:**  
**Facility Type:**  
**Expired Date:**  
**Original Source:** EXP  
**Record Date:** Up to Mar 2012

---

**Site:** West Carleton Sand & Gravel  
McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carleton City of Ottawa CITY  
OF OTTAWA ON

**Database:**  
EBR

**EBR Registry No:** IA05E0467  
**Ministry Ref No:** 9797-6ASMMB  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** April 28, 2006  
**Proposal Date:** April 11, 2005  
**Year:** 2005  
**Instrument Type:** (OWRA s. 53(1)) - Approval for sewage works  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** West Carleton Sand & Gravel  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 3725 Carp Road, P.O Box 264, Carp Ontario, K0A 1L0  
**Comment Period:**  
**URL:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

**Site Location Details:**

McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carleton City of Ottawa CITY OF OTTAWA

---

**Site:** Marcel Brazeau Ltd.  
Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA ON

**Database:**  
EBR

**EBR Registry No:** 012-7185  
**Ministry Ref No:** MNRF INST 28/16  
**Notice Type:** Instrument Decision  
**Notice Stage:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**

**Notice Date:** October 26, 2017  
**Proposal Date:** March 29, 2016  
**Year:** 2016  
**Instrument Type:** (ARA s. 16 (2)) - Approval of licensee proposed amendment to a site plan  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Marcel Brazeau Ltd.  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 130 Entreprise Road, Vars Ontario, Canada K0A 3H0  
**Comment Period:**  
**URL:**

**Act 2:**  
**Site Location Map:**

**Site Location Details:**

Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA

---

**Site:** **Mattamy (Half Moon Bay) Limited** **Database:**  
**ECA**  
**Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5**

**Approval No:** 8294-AWMJGE  
**Approval Date:** 2018-03-09  
**Status:** Revoked and/or Replaced  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Mattamy (Half Moon Bay) Limited  
**Address:** Part of Lot 11 and 12, Concession 3 (Rideau Front)  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0576-AW2MCL-14.pdf>

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

---

**Site:** **Kanata North Landowners Group Inc.** **Database:**  
**ECA**  
**March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road**  
**Ottawa ON K1R 7Y2**

**Approval No:** 5177-BHWJYH  
**Approval Date:** 2019-11-17  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Kanata North Landowners Group Inc.  
**Address:** March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf>

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

---

**Site:** **Mattamy (Half Moon Bay) Limited** **Database:**  
**ECA**  
**Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5**

**Approval No:** 2335-B5VJMM  
**Approval Date:** 2018-10-30  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Mattamy (Half Moon Bay) Limited  
**Address:** Part of Lot 11 and 12, Concession 3 (Rideau Front)

**MOE District:**  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

Full Address:  
Full PDF Link:

<https://www.accessenvironment.ene.gov.on.ca/instruments/3780-B5EM6Y-14.pdf>

**Site:** City of Ottawa  
March Road and Halton Terrace Ottawa ON K1P 1J1

**Database:**  
ECA

**Approval No:** 1426-7VSV6P  
**Approval Date:** 2009-09-16  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:** Mississippi Valley  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** City of Ottawa  
**Address:** March Road and Halton Terrace  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/8300-7VRQYE-14.pdf>

**MOE District:** Ottawa  
**City:**  
**Longitude:** -75.9421  
**Latitude:** 45.3528  
**Geometry X:**  
**Geometry Y:**

**Site:** Hwy 49 Carp ON

**Database:**  
EHS

**Order No:** 20001204004  
**Status:** C  
**Report Type:** Basic Report  
**Report Date:** 12/12/00  
**Date Received:** 12/4/00  
**Previous Site Name:**  
**Lot/Building Size:** 100m \* 50m  
**Additional Info Ordered:**

**Nearest Intersection:** SW Hwy 49 & 5th Rd  
**Municipality:** Lanark Carleton Twp  
**Client Prov/State:** ON  
**Search Radius (km):** 0.50  
**X:** -76.049538  
**Y:** 45.317106

**Site:** Pierces Corners Landfill The Corporation of the Township of Rideau City of Ottawa Part of Lot 11, Concession 3 Ottawa ON

**Database:**  
LIMO

**ECA/Instrument No:** A461201  
**Oper Status 2016:** Closed

**C of A Issue Date:**  
**C of A Issued to:**  
**Lndfl Gas Mgmt (P):**  
**Lndfl Gas Mgmt (F):**  
**Lndfl Gas Mgmt (E):**  
**Lndfl Gas Mgmt Sys:**  
**Landfill Gas Mntr:**  
**Leachate Coll Sys:**  
**ERC Est Vol (m3):**  
**ERC Volume Unit:**  
**ERC Dt Last Det:**  
**Landfill Type:**  
**Source File Type:**  
**Fill Rate:**  
**Fill Rate Unit:**  
**Tot Fill Area (ha):**  
**Tot Site Area (ha):**  
**Footprint:**  
**Tot Apprv Cap (m3):**  
**Contam Atten Zone:**  
**Grndwtr Mntr:**  
**Surf Wtr Mntr:**  
**Air Emis Monitor:**  
**Approved Waste Type:**  
**Client Site Name:**  
**ERC Methodology:**  
**Site Name:** Pierces Corners Landfill  
The Corporation of the Township of Rideau  
City of Ottawa

**Natural Attenuation:**  
**Liners:**  
**Cover Material:**  
**Leachate Off-Site:**  
**Leachate On Site:**  
**Req Coll Lndfl Gas:**  
**Lndfl Gas Coll:**  
**Total Waste Rec:**  
**TWR Methodology:**  
**TWR Unit:**  
**Tot Apprv Cap Unit:**  
**Financial Assurance:**  
**Last Report Year:**  
**MOE Region:**  
**MOE District:**  
**Site County:**  
**Lot:**  
**Concession:**  
**Latitude:**  
**Longitude:**  
**Easting:**  
**Northing:**  
**UTM Zone:**  
**Data Source:**

**Site Location Details:**

**Service Area:**

**Page URL:**

---

**Site:** **West Carleton Sand & Gravel Inc.**  
**Lot 11-14, Conc 4 Ottawa ON**

**Database:**  
**NCPL**

**Year:** 2006  
**Site Name:**  
**Facility Owner:**  
**Discharge Type:** Industrial Sewage  
**Sector:** Miscellaneous  
**District Area:** Ottawa  
**Type of Concern:** C of A/Permit Non-Compliance  
**Contaminant:** SUSPENDED SOLIDS  
**Status Report:**

**Details**

**Incident Date:** 10/5/2006  
**Exceedance Start Date:** 10/5/2006  
**Exceedance End Date:** 10/5/2006  
**Limit/Unit/Freq:** 25 mg/L  
**Quantity Min/Max:** 32/32  
**Facility Action:** Operational Process Modification  
**Ministry Action:** Voluntary Abatement Program Underway

---

**Site:** **ROBS SHELL**  
**HWY 49 CARP ON**

**Database:**  
**PRT**

**Location ID:** 2810  
**Type:** retail  
**Expiry Date:** 1994-10-31  
**Capacity (L):** 2000  
**Licence #:** 0034165001

---

**Site:** **ROB'S SHELL ROB DUPUIS**  
**HWY 49 CARP ON**

**Database:**  
**PRT**

**Location ID:** 2810  
**Type:** retail  
**Expiry Date:** 1996-04-30  
**Capacity (L):** 122600  
**Licence #:** 0054321001

---

**Site:** **Mattamy (Half Moon Bay) Limited**  
**Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON**

**Database:**  
**PTTW**

**EBR Registry No:** 010-5959  
**Ministry Ref No:** 8783-7PCUC4  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** June 26, 2009  
**Proposal Date:** February 20, 2009  
**Year:** 2009  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Mattamy (Half Moon Bay) Limited  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9  
**Comment Period:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

URL:

**Site Location Details:**

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA

---

**Site:** ONTARIO HYDRO  
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

**Database:**  
SPL

<b>Ref No:</b>	128700	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	6/26/1996	<b>Health/Env Conseq:</b>	
<b>Year:</b>		<b>Client Type:</b>	
<b>Incident Cause:</b>	COOLING SYSTEM LEAK	<b>Sector Type:</b>	
<b>Incident Event:</b>		<b>Agency Involved:</b>	
<b>Contaminant Code:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	CONFIRMED	<b>Site Municipality:</b>	20103
<b>Nature of Impact:</b>	Soil contamination	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	EPS
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	7/3/1996	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	OTHER	<b>Source Type:</b>	
<b>Site Name:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.		
<b>Contaminant Qty:</b>			

---

**Site:** OTTAWA-CARLETON TRANSIT  
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

**Database:**  
SPL

<b>Ref No:</b>	222088	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	2/25/2002	<b>Health/Env Conseq:</b>	
<b>Year:</b>		<b>Client Type:</b>	
<b>Incident Cause:</b>	OTHER CONTAINER LEAK	<b>Sector Type:</b>	
<b>Incident Event:</b>		<b>Agency Involved:</b>	
<b>Contaminant Code:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	POSSIBLE	<b>Site Municipality:</b>	20107
<b>Nature of Impact:</b>	Water course or lake	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND / WATER	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	2/25/2002	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	MATERIAL FAILURE	<b>Source Type:</b>	
<b>Site Name:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING		
<b>Contaminant Qty:</b>			

**Site:**  
lot 12 ON

**Database:**  
WWIS

**Well ID:** 1535508  
**Construction Date:**  
**Primary Water Use:**  
**Sec. Water Use:**  
**Final Well Status:**  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z17642  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:**  
**Date Received:** 5/28/2005  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 6907  
**Form Version:** 3  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** OTTAWA CITY  
**Site Info:**  
**Lot:** 012  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 11316047  
**DP2BR:**  
**Spatial Status:**  
**Code OB:** \_  
**Code OB Desc:** No formation data  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 10-May-2005 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:**  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:**  
**UTMRC Desc:**  
**Location Method:** na

**Method of Construction & Well Use**

**Method Construction ID:** 961535508  
**Method Construction Code:** B  
**Method Construction:** Other Method  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11330902  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

### **Abandoned Aggregate Inventory:**

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial

[AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

**Government Publication Date: Up to Sep 2020**

### **Abandoned Mine Information System:**

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Oct 2018**

### **Anderson's Waste Disposal Sites:**

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Dec 31, 2020**

### **Borehole:**

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2018**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Chemical Manufacturers and Distributors:**

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

**Government Publication Date: 1999-Dec 31, 2020**

**Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 2012 -Apr 2021**

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

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

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

**Compliance and Convictions:**

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-Nov 2020**

**Certificates of Property Use:**

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994- Jun 30, 2021**



**Drill Hole Database:**

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886 - Sep 2020**

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: May 31, 2021**

**Environmental Activity and Sector Registry:**

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Environmental Registry:**

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994- Jun 30, 2021**

**Environmental Compliance Approval:**

Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Environmental Effects Monitoring:**

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Jun 30, 2021**

**Environmental Issues Inventory System:**

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Dec 31, 2016**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2020**

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

**Government Publication Date: Jun 2000-Apr 2021**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

**Government Publication Date: May 31, 2018**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Fuel Storage Tank - Historic:**

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

**Government Publication Date: 1986-Apr 30, 2021**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2019**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Feb 28, 2019**

**Canadian Mine Locations:**

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial [MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Dec 2020**

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

Federal [NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial [NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Government Publication Date: Dec 31, 2019**

**National Defense & Canadian Forces Fuel Tanks:**

Federal [NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal [NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Apr 2018**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal [NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal [NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Mar 31, 2021**

**National Energy Board Wells:**

Federal [NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Government Publication Date: 1988-Feb 28, 2021**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Jun 2020**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

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

**Orders:**

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994-Apr 30, 2021**

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Pipeline Incidents:**

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994- Jun 30, 2021**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-1990, 1992-2018**

**Record of Site Condition:**

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2021**

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-Dec 31, 2020**

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date: 1988-Aug 2020**

**Wastewater Discharger Registration Database:**

Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

**Government Publication Date: 1990-Dec 31, 2018**

**Anderson's Storage Tanks:**

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

**Government Publication Date: 1970 - Dec 2020**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial [WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

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

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 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: Apr 30, 2021**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

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

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

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



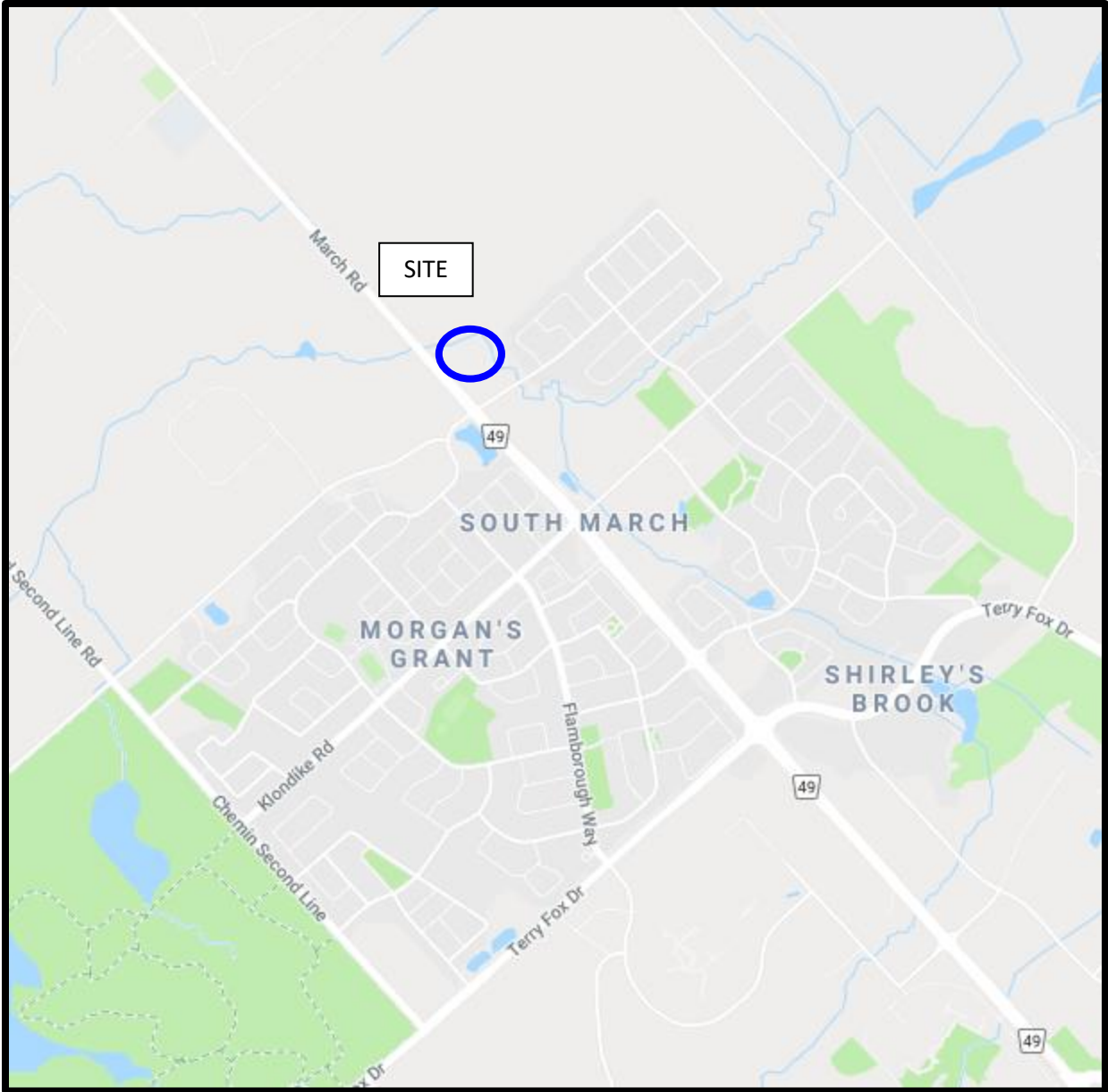


FIGURE 1  
KEY PLAN