



**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

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, F₁-F₄). 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., QPESA



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
12th 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^e 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

Sincerely,

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

Samantha Gatchene

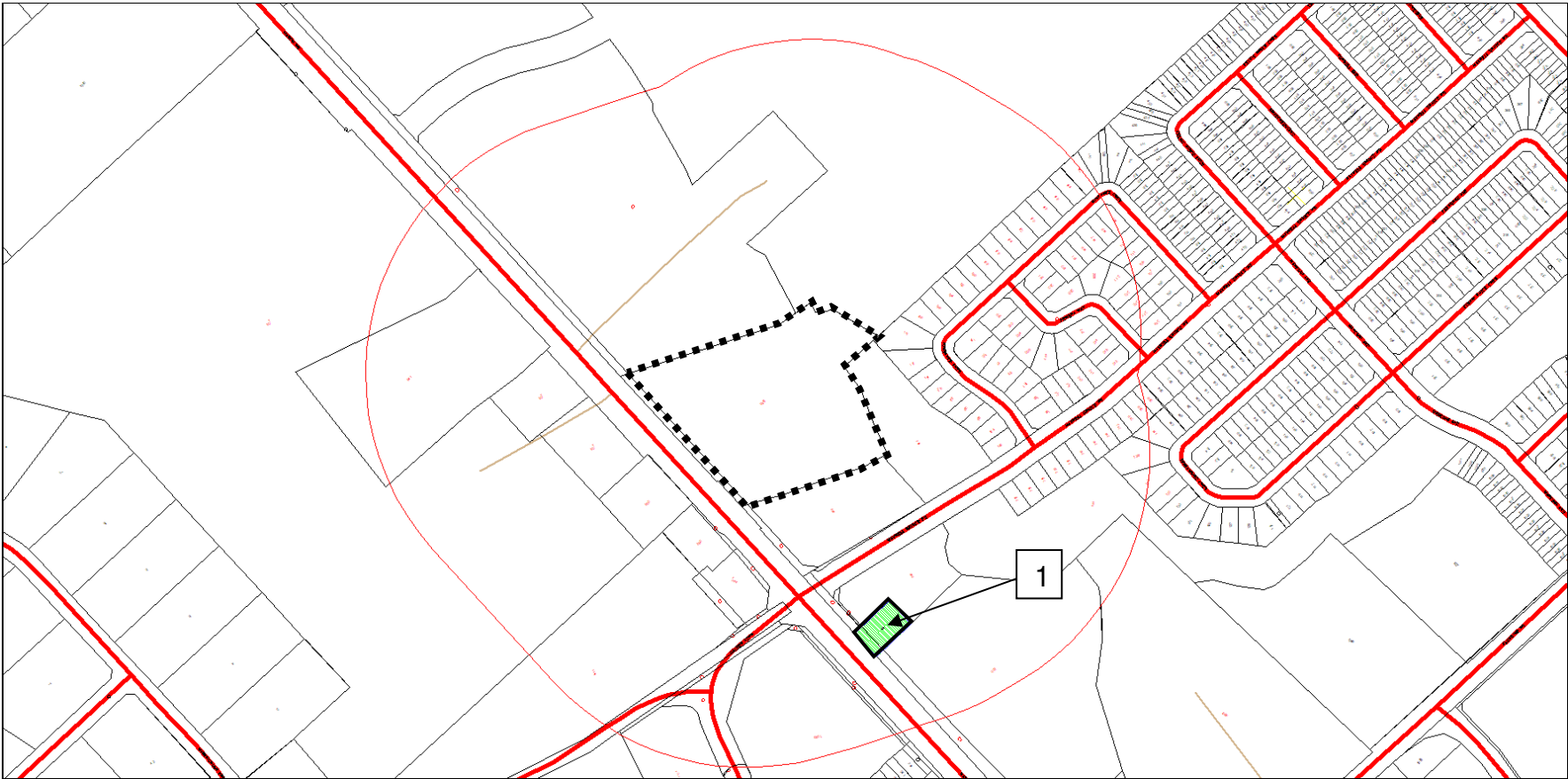
Per:

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

Area Number	HLUI Activities Associated with Area
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

NAICS	SIC
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.

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
www.tssa.org



From: Mandy Witteman
<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>
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

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

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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*

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property: 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 & 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
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	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 & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<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
Total:			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>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

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

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

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1536459			
23	WWIS		941 MARCH RD lot 11 con 4 KANATA ON Well ID: 1536624	WNW/210.4	0.05	64
23	WWIS		941 MARCH RD lot 11 con 4 KANATA ON Well ID: 1536625	WNW/210.4	0.05	65
24	BORE		ON	WSW/210.9	2.05	72
25	WWIS		lot 11 con 4 ON Well ID: 1503413	SE/225.0	0.97	73
26	WWIS		860 MARCH RD. lot 11 con 4 KANATA ON Well ID: 7112943	SE/228.3	0.97	75
27	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	77
27	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	78
27	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	78
27	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	78
27	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	78
28	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	78
29	WWIS		lot 11 con 3 ON Well ID: 1516836	SW/239.2	3.05	79
30	BORE		ON	WNW/241.4	1.05	82

<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>
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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.

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	E	102.79	<u>8</u>

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.

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

Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E	191.76	21
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E	191.76	21

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.

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

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

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	7
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW	92.85	7

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	20
	858 MARCH ROAD, KANATA ON K2W 0C9	SE	180.00	20

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	28

WWIS - Water Well Information System

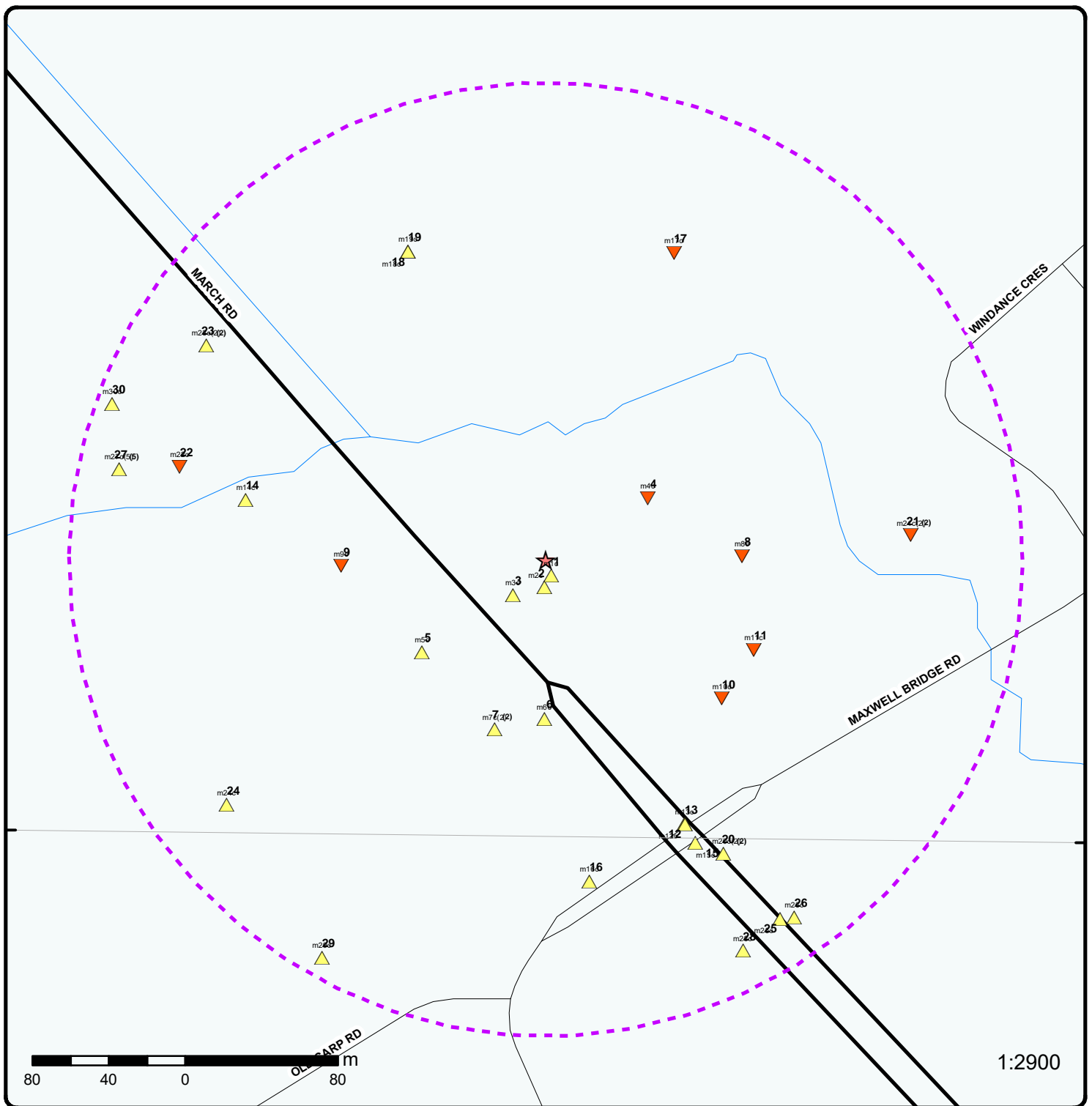
A search of the WWIS database, dated Apr 30, 2021 has found that there are 17 WWIS site(s) within approximately 0.25 kilometers of the project property.

<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	1

<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	<u>2</u>
	905 MARCH RD lot 12 con 3 KANATA ON <i>Well ID:</i> 7335796	WSW	81.00	<u>5</u>
	295 MARCH RD KANATA ON <i>Well ID:</i> 7156775	S	83.57	<u>6</u>
	lot 11 con 4 ON <i>Well ID:</i> 1510247	SE	156.51	<u>13</u>
	lot 12 con 3 ON <i>Well ID:</i> 1516260	W	160.34	<u>14</u>
	886 MARCH ROAD lot 11 con 4 CARP ON <i>Well ID:</i> 7049297	SE	167.88	<u>15</u>
	lot 11 con 3 ON <i>Well ID:</i> 1503356	SSE	170.10	<u>16</u>
	lot 12 con 4 ON <i>Well ID:</i> 1503414	NNW	176.86	<u>18</u>
	941 MARCH RD lot 11 con 4 KANATA ON <i>Well ID:</i> 1536625	WNW	210.39	<u>23</u>
	941 MARCH RD lot 11 con 4 KANATA ON <i>Well ID:</i> 1536624	WNW	210.39	<u>23</u>
	lot 11 con 4 ON <i>Well ID:</i> 1503413	SE	225.01	<u>25</u>
	860 MARCH RD. lot 11 con 4 KANATA ON	SE	228.31	<u>26</u>

<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	29
	<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	9
	<i>Well ID:</i> 1503359			
	ON	NNE	173.93	17
	<i>Well ID:</i> 7201372			
	927 MARCH RD lot 3 con 11 KANATA ON	W	197.85	22
	<i>Well ID:</i> 1536459			



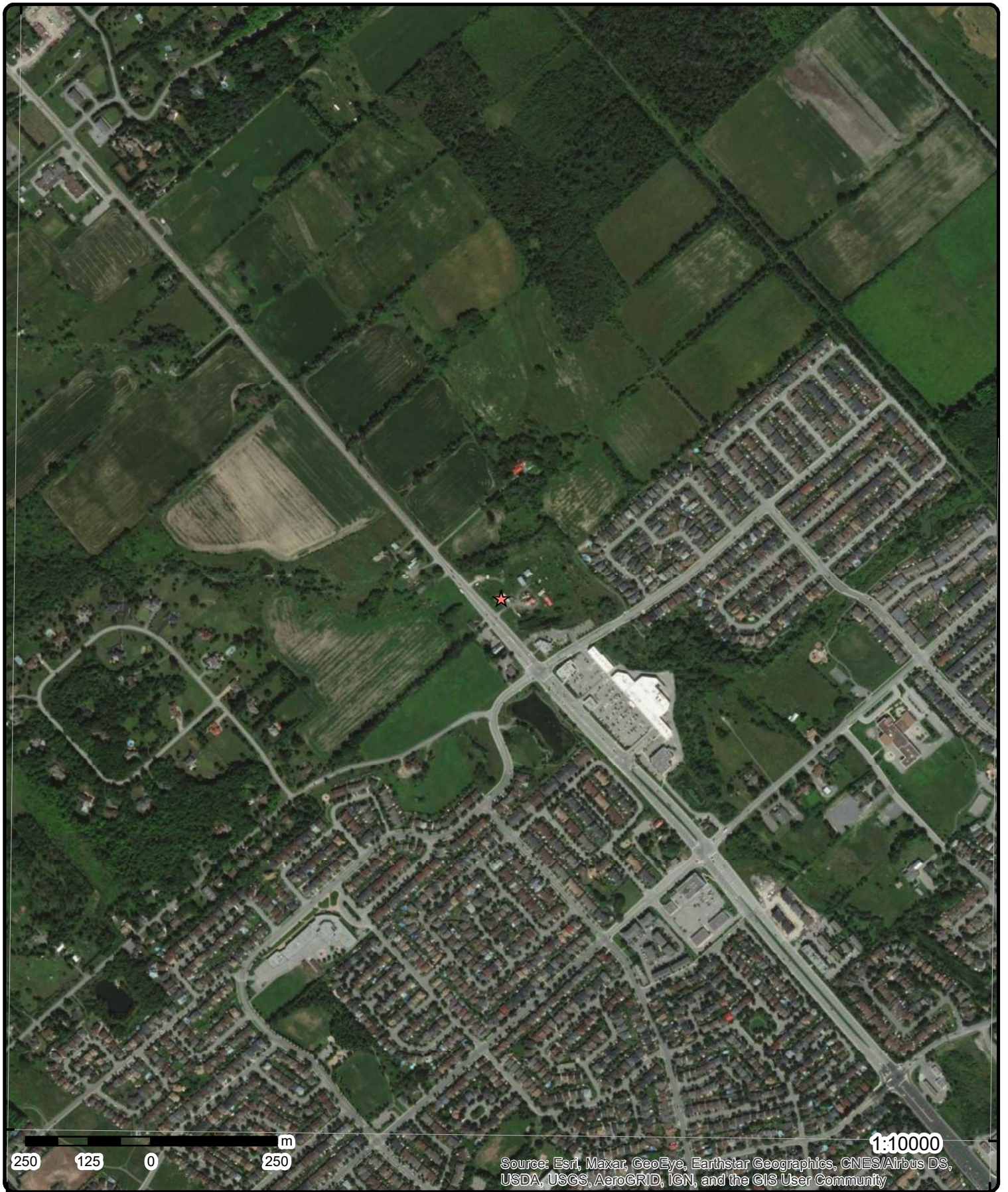
Map: 0.25 Kilometer Radius

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	Proposed Road	Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		



Aerial Year: 2020

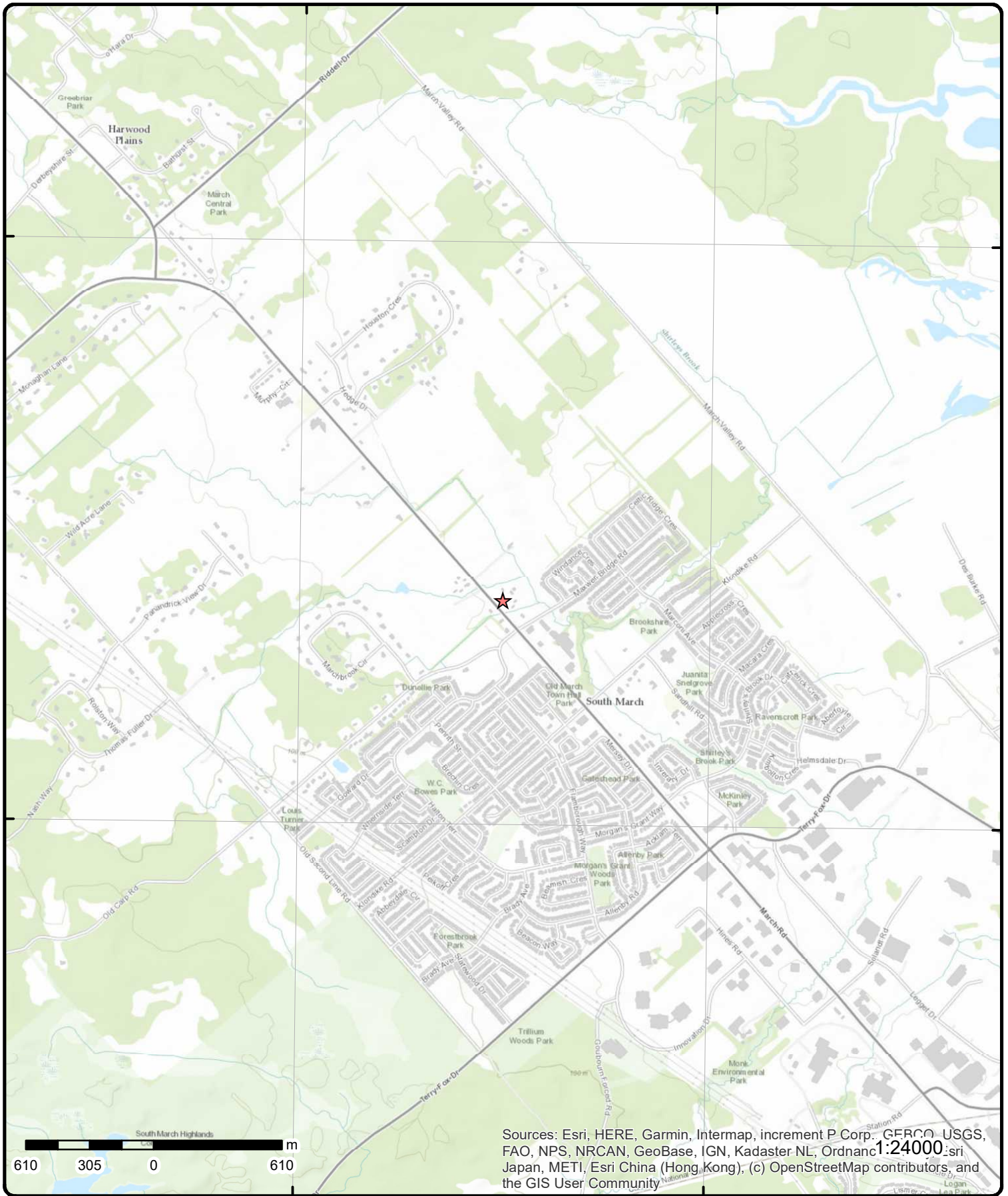
Order Number: 2108100045

Address: PE4760 -910 March Rd, Kanata, ON



Source: ESRI World Imagery

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

Topographic Map

Order Number: 2108100045

Address: PE4760 -910 March Rd, ON



Source: ESRI World Topographic Map

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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

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

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

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

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

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

2	1 of 1	S/14.6	79.8 / 0.00	910 MARCH RD lot 12 con 4 KANATA ON	WWIS
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Well ID:	1536458	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Domestic	Date Received:	7/11/2006
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1558
Casing Material:		Form Version:	3
Audit No:	Z46997	Owner:	
Tag:	A035395	Street Name:	910 MARCH RD
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	MARCH TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	012
Well Depth:		Concession:	04
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536458.pdf		

Additional Detail(s) (Map)

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

Bore Hole Information

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		961536458			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11560131			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930879939			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-0.449999988079071			
Depth To:		10.3599996566772			
Casing Diameter:		15.8599996566772			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930879940			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		10.3599996566772			
Depth To:		27.4300003051758			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11569511			
Pump Set At:		21.329999923706055			
Static Level:		6.019999980926514			
Final Level After Pumping:		6.599999904632568			
Recommended Pump Depth:		15.229999542236328			
Pumping Rate:		54.599998474121094			
Flowing Rate:					
Recommended Pump Rate:		45.5			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		30			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624162			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					
<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			
<u>Draw Down & Recovery</u>					

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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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
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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
Source Identifier: 1 Source Type: Data Survey Source Date: 1956-1972 Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada Horizontal Datum: NAD27 Vertical Datum: Mean Average Sea Level Projection Name: Universal Transverse Mercator					
4	1 of 1	ENE/62.3	78.2 / -1.61	910 March Road Kanata ON K2K 1X7	EHS
Order No: 20190523231 Status: C Report Type: Standard Report Report Date: 30-MAY-19 Date Received: 23-MAY-19 Previous Site Name: unknown Lot/Building Size: 6.7 Acre Additional Info Ordered: City Directory Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.936906 Y: 45.359933					
5	1 of 1	WSW/81.0	79.9 / 0.05	905 MARCH RD lot 12 con 3 KANATA ON	WWIS
Well ID: 7335796 Construction Date: Primary Water Use: Commerical Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z304353 Tag: A192645 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: 6/18/2019 Selected Flag: True Abandonment Rec: Contractor: 6574 Form Version: 7 Owner: Street Name: 905 MARCH RD County: OTTAWA Municipality: MARCH TOWNSHIP Site Info: Lot: 012 Concession: 03 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2019/06/13 Year Completed: 2019 Depth (m): 1.9812 Latitude: 45.3591955276382 Longitude: -75.9384042444499 Path:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1007478133 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Zone: 18 East83: 426503.00 North83: 5023282.00 Org CS: UTM83					

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

PDF URL (Map): 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

Bore Hole ID:	1003443207	Elevation:	77.539993
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	426567.00
Code OB Desc:		North83:	5023247.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:		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:			

**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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code: Kind: Water Found Depth: Water Found Depth UOM: ft					
Hole Diameter					
Hole ID: 1003738540 Diameter: Depth From: Depth To: Hole Depth UOM: ft Hole Diameter UOM: 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
Generator No: ON9179314 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 621499 SIC Description: ALL OTHER OUT-PATIENT CARE CENTRES PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Colleen Russell Phone No Admin: 613-591-1099 Ext.					
Detail(s) Waste Class: 312 Waste Class Desc: 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
Generator No: ON9179314 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 621499 SIC Description: ALL OTHER OUT-PATIENT CARE CENTRES PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Colleen Russell Phone No Admin: 613-591-1099 Ext.					
Detail(s) Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>8</u>	1 of 1	E/102.8	77.8 / -2.00	ON	BORE
Borehole ID: 609828 OGF ID: 215511443 Status: Type: Borehole Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: -999 Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.359664 Longitude DD: -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
Scale or Resolution: Varies					
Source Name: Urban Geology Automated Information System (UGAIS)					
Source Originators: Geological Survey of Canada					

<u>9</u>	1 of 1	W/107.3	79.7 / -0.16	lot 12 con 3 ON	WWIS
Well ID:		1503359		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 1/17/1964	
Sec. Water Use:		0		Selected Flag: True	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 3504	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: MARCH TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 012	
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\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

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 930996657
Layer: 1

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

General Color:

Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930996658
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930996659
Layer: 3
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 38.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961503359
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573972
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

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

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

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

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

Borehole Geology Stratum

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SANDSTONE. 00060000870005800075 SEISMIC VELOCITY = 14600. FEET.BLACK. LIMESTONE.

Source

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

Source List

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

13	1 of 1	SE/156.5	79.9 / 0.05	lot 11 con 4 ON	WWIS
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Well ID:	1510247	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	10/30/1969
Sec. Water Use:	0	Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1503
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	MARCH TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	011
Well Depth:		Concession:	04
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510247.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10032275			Elevation:	77.674873
DP2BR:	25.00			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	426640.60
Code OB Desc:	Bedrock			North83:	5023192.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	11-Jun-1969 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID:	931014324
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931014325
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	61.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961510247
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580845
Casing No:	1

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

[14](#) 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
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1558
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	MARCH TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	012
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/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

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

Overburden and Bedrock

Materials Interval

Formation ID: 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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931031605			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		18			
Mat2 Desc:		SANDSTONE			
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		11.0			
Formation End Depth:		35.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931031603			
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:		9.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931031606			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		18			
Most Common Material:		SANDSTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		35.0			
Formation End Depth:		115.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961516260			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		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>
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930067186				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	115				
Casing Diameter:					
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930067185				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	22				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991516260				
Pump Set At:					
Static Level:	20.0				
Final Level After Pumping:	70.0				
Recommended Pump Depth:	75.0				
Pumping Rate:	15.0				
Flowing Rate:					
Recommended Pump Rate:	5.0				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	No				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934101771				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	70.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934640906				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	70.0				
Test Level UOM:	ft				

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

15	1 of 1	SE/167.9	80.9 / 1.10	886 MARCH ROAD lot 11 con 4 CARP ON	WWIS
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Well ID: 7049297
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z60172
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: 9/17/2007
Selected Flag: True
Abandonment Rec: Yes
Contractor: 1119
Form Version: 4
Owner:
Street Name: 886 MARCH ROAD
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/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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		1000025638			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1000025644			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
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:					
<u>Water Details</u>					
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

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

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

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

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

PDF URL (Map):

Additional Detail(s) (Map)

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

Bore Hole Information

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

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>					

18	1 of 1	NNW/176.9	79.9 / 0.05	lot 12 con 4 ON	WWIS
Well ID:	1503414			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	7/6/1964
Sec. Water Use:	0			Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1503
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	MARCH TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	012
Well Depth:				Concession:	04
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\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

Bore Hole ID:	10025457	Elevation:	77.912040
DP2BR:	9.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426495.60
Code OB Desc:	Bedrock	North83:	5023492.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	06-Feb-1964 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: 930996776

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

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

Borehole Geology Stratum

Geology Stratum ID:	218384199			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY,BOULDERS.				
Geology Stratum ID:	218384200			Mat Consistency:	
Top Depth:	2.7			Material Moisture:	
Bottom Depth:	12.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sandstone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SANDSTONE.				
Geology Stratum ID:	218384201			Mat Consistency:	
Top Depth:	12.2			Material Moisture:	
Bottom Depth:	15.5			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Granite			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	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.				

Source

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

Source List

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

20	1 of 2	SE/180.0	80.9 / 1.10	858 March Rd,Kanata ON	PINC
Incident ID:	2682198			Pipe Material:	
Incident No:	525800			Fuel Category:	Natural Gas
Incident Reported Dt:				Health Impact:	No
Type:	FS-Pipeline Incident			Environment Impact:	No
Status Code:	Pipeline Damage Reason Est			Property Damage:	Yes
Tank Status:	RC Established			Service Interrupt:	Yes
Task No:	3215894			Enforce Policy:	Yes
Spills Action Centre:				Public Relation:	No
Fuel Type:	Natural Gas			Pipeline System:	
Fuel Occurrence Tp:	Pipeline Strike			PSIG:	
Date of Occurrence:	1/6/2011 0:00			Attribute Category:	FS-Perform P-line Inc Invest
Occurrence Start Dt:	2011/02/09			Regulator Location:	
Depth:				Method Details:	E-mail
Customer Acct Name:					
Incident Address:					
Operation Type:	Construction Site (including excavation)				
Pipeline Type:					
Regulator Type:					
Summary:	858 March Rd,Kanata - 1 1/4" PE Pipeline Hit				
Reported By:	Stiles, Jeff - Enbridge				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	no locates with operator				
Damage Reason:	Excavation practices not sufficient				
Notes:					

20	2 of 2	SE/180.0	80.9 / 1.10	858 MARCH ROAD, KANATA ON K2W 0C9	PINC
Incident ID:	2685528			Pipe Material:	
Incident No:	529122			Fuel Category:	Heating Fuel
Incident Reported Dt:				Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:	Pipeline Damage Reason Est			Property Damage:	
Tank Status:				Service Interrupt:	
Task No:				Enforce Policy:	
Spills Action Centre:	N/A			Public Relation:	
Fuel Type:				Pipeline System:	
Fuel Occurrence Tp:				PSIG:	
Date of Occurrence:				Attribute Category:	
Occurrence Start Dt:				Regulator Location:	
Depth:				Method Details:	
Customer Acct Name:					
Incident Address:					
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:	858 MARCH ROAD, KANATA - 1 1/4" PIPELINE HIT				
Reported By:	JEFF STILES - ENBRIDGE OTTAWA				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:					
Damage Reason:					
Notes:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	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
Approval No: 0215-79MK7R Approval Date: 2007-12-06 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems Business Name: Klondike Developments Inc. Address: 870 March Rd and 1001 Klondike Road Full Address: Full PDF Link:				MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	
21	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
Approval No: 0048-79MQC5 Approval Date: 2007-12-06 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: Klondike Developments Inc. Address: 870 March Rd and 1001 Klondike Road Full Address: Full PDF Link:				MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	
22	1 of 1	W/197.8	79.8 / -0.03	927 MARCH RD lot 3 con 11 KANATA ON	WWIS
Well ID: 1536459 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z46998 Tag: A035457 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: 7/11/2006 Selected Flag: True Abandonment Rec: Contractor: 1558 Form Version: 3 Owner: Street Name: 927 MARCH RD County: OTTAWA Municipality: MARCH TOWNSHIP Site Info: Lot: 003 Concession: 11 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536459.pdf			

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624177			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		4.75			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624517			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		4.309999942779541			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624519			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		4.21999979019165			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624522			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		4.659999847412109			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624173			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		4.820000171661377			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624178			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		4.03000020980835			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624515			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		4.369999885559082			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11624521			
Test Type:		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		
<u>Draw Down & Recovery</u>					
<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		
<u>Draw Down & Recovery</u>					
<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		
<u>Draw Down & Recovery</u>					
<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		
<u>Draw Down & Recovery</u>					
<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		
<u>Draw Down & Recovery</u>					
<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		
<u>Draw Down & Recovery</u>					
<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		
<u>Draw Down & Recovery</u>					
<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>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11624179		
Test Type:			Recovery		
Test Duration:			10		
Test Level:			4.610000133514404		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11624180		
Test Type:			Draw Down		
Test Duration:			15		
Test Level:			4.130000114440918		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11624512		
Test Type:			Draw Down		
Test Duration:			20		
Test Level:			4.21999979019165		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11624513		
Test Type:			Recovery		
Test Duration:			20		
Test Level:			4.449999809265137		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11624514		
Test Type:			Draw Down		
Test Duration:			25		
Test Level:			4.300000190734863		
Test Level UOM:			m		
<u>Water Details</u>					
Water ID:			934077245		
Layer:			3		
Kind Code:					
Kind:					
Water Found Depth:			21.940000534057617		
Water Found Depth UOM:			m		
<u>Water Details</u>					
Water ID:			934077247		
Layer:			1		
Kind Code:					
Kind:					
Water Found Depth:			14.020000457763672		
Water Found Depth UOM:			m		
<u>Water Details</u>					

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

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\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
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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:

23	2 of 2	WNW/210.4	79.9 / 0.05	941 MARCH RD lot 11 con 4 KANATA ON	WWIS
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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

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

Bore Hole ID:	11550691	Elevation:	79.611900
DP2BR:	9.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426390.00
Code OB Desc:	Bedrock	North83:	5023443.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	18-Jul-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:	933067349
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.740000009536743
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

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

Overburden and Bedrock

Materials Interval

Formation ID:	933067351
Layer:	3

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

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

<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>			60		
<i>Test Level:</i>			7.010000228881836		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669562		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			1		
<i>Test Level:</i>			5.460000038146973		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669575		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			20		
<i>Test Level:</i>			6.690000057220459		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669569		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			5		
<i>Test Level:</i>			6.349999904632568		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669573		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			6.619999885559082		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669567		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			4		
<i>Test Level:</i>			6.300000190734863		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669570		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			5		
<i>Test Level:</i>			5.340000152587891		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11669571		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			10		
<i>Test Level:</i>			6.5		
<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>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669574		
Test Type:			Recovery		
Test Duration:			15		
Test Level:			5.159999847412109		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669580		
Test Type:			Recovery		
Test Duration:			30		
Test Level:			5.099999904632568		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669586		
Test Type:			Recovery		
Test Duration:			60		
Test Level:			5.019999980926514		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669572		
Test Type:			Recovery		
Test Duration:			10		
Test Level:			5.230000019073486		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669577		
Test Type:			Draw Down		
Test Duration:			25		
Test Level:			6.760000228881836		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669563		
Test Type:			Draw Down		
Test Duration:			2		
Test Level:			6.079999923706055		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11669568		
Test Type:			Recovery		
Test Duration:			4		
Test Level:			5.360000133514404		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			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>
Test Type:		Recovery			
Test Duration:		20			
Test Level:		5.139999866485596			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11669582			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		5.070000171661377			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11669584			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		5.039999961853027			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11669566			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		5.389999866485596			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11669581			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		6.880000114440918			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934079370			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		20.719999313354492			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11681419			
Diameter:		22.75			
Depth From:		0.0			
Depth To:		6.400000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		11681418			
Diameter:		15.229999542236328			
Depth From:		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			

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

Borehole Geology Stratum

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

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: 023320 NTS_Sheet: 31G05D		
Confiden 1:	Reliable information but incomplete.		

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

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

25	1 of 1	SE/225.0	80.8 / 0.97	lot 11 con 4 ON	WWIS
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Well ID: 1503413
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: 2/20/1962
Selected Flag: True
Abandonment Rec:
Contractor: 4825
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/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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No: Comment: Alt Name:	1				
<u>Construction Record - Casing</u>					
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				
<u>Construction Record - Casing</u>					
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				
<u>Results of Well Yield Testing</u>					
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				
<u>Water Details</u>					
Water ID:	933456318				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	37.0				
Water Found Depth UOM:	ft				
26	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
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	1558
Casing Material:				Form Version:	7
Audit No:	Z84392			Owner:	
Tag:				Street Name:	860 MARCH RD.
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	MARCH TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	011
Well Depth:				Concession:	04
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/711\7112943.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	2008/09/05				
Year Completed:	2008				
Depth (m):					
Latitude:	45.3579649328805				
Longitude:	-75.9358942076924				
Path:	711\7112943.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1001835768			Elevation:	77.300338
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	426698.00
Code OB Desc:				North83:	5023143.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	05-Sep-2008 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:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1001937898				
Layer:	1				
Plug From:					
Plug To:					
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1001937902				
Method Construction Code:					
Method Construction:					

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Additional Info Ordered:</i>					
27	2 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
Order No:	20200417004			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	22-APR-20			Search Radius (km):	.25
Date Received:	17-APR-20			X:	-75.9404444
Previous Site Name:				Y:	45.3600417
Lot/Building Size:					
Additional Info Ordered:					
27	3 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
Order No:	20200417004			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	22-APR-20			Search Radius (km):	.25
Date Received:	17-APR-20			X:	-75.9404444
Previous Site Name:				Y:	45.3600417
Lot/Building Size:					
Additional Info Ordered:					
27	4 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
Order No:	20200417004			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	22-APR-20			Search Radius (km):	.25
Date Received:	17-APR-20			X:	-75.9404444
Previous Site Name:				Y:	45.3600417
Lot/Building Size:					
Additional Info Ordered:					
27	5 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7	EHS
Order No:	20200417004			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	22-APR-20			Search Radius (km):	.25
Date Received:	17-APR-20			X:	-75.9404444
Previous Site Name:				Y:	45.3600417
Lot/Building Size:					
Additional Info Ordered:					
28	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
Ref No:	72862			Discharger Report:	
Site No:				Material Group:	

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

29	1 of 1	SW/239.2	82.9 / 3.05	lot 11 con 3 ON	WWIS
Well ID:	1516836			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/18/1978
Sec. Water Use:	0			Selected Flag:	True
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1558
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	MARCH TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	011
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/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
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR:	2.00			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	426450.60
Code OB Desc:	Bedrock			North83:	5023122.00
Open Hole:				Org CS:	4
Cluster Kind:				UTMRC:	4
Date Completed:	08-Nov-1978 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 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:

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934102405			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934381984			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934643074			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Water Details</u>					
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**

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

Borehole Geology Stratum

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

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:**
Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5 **ECA**

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:**
March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road **ECA**
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:**
Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5 **ECA**

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

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

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

Database:
SPL

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

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 CO₂ eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

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

Government Publication Date: 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.

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 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2021

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

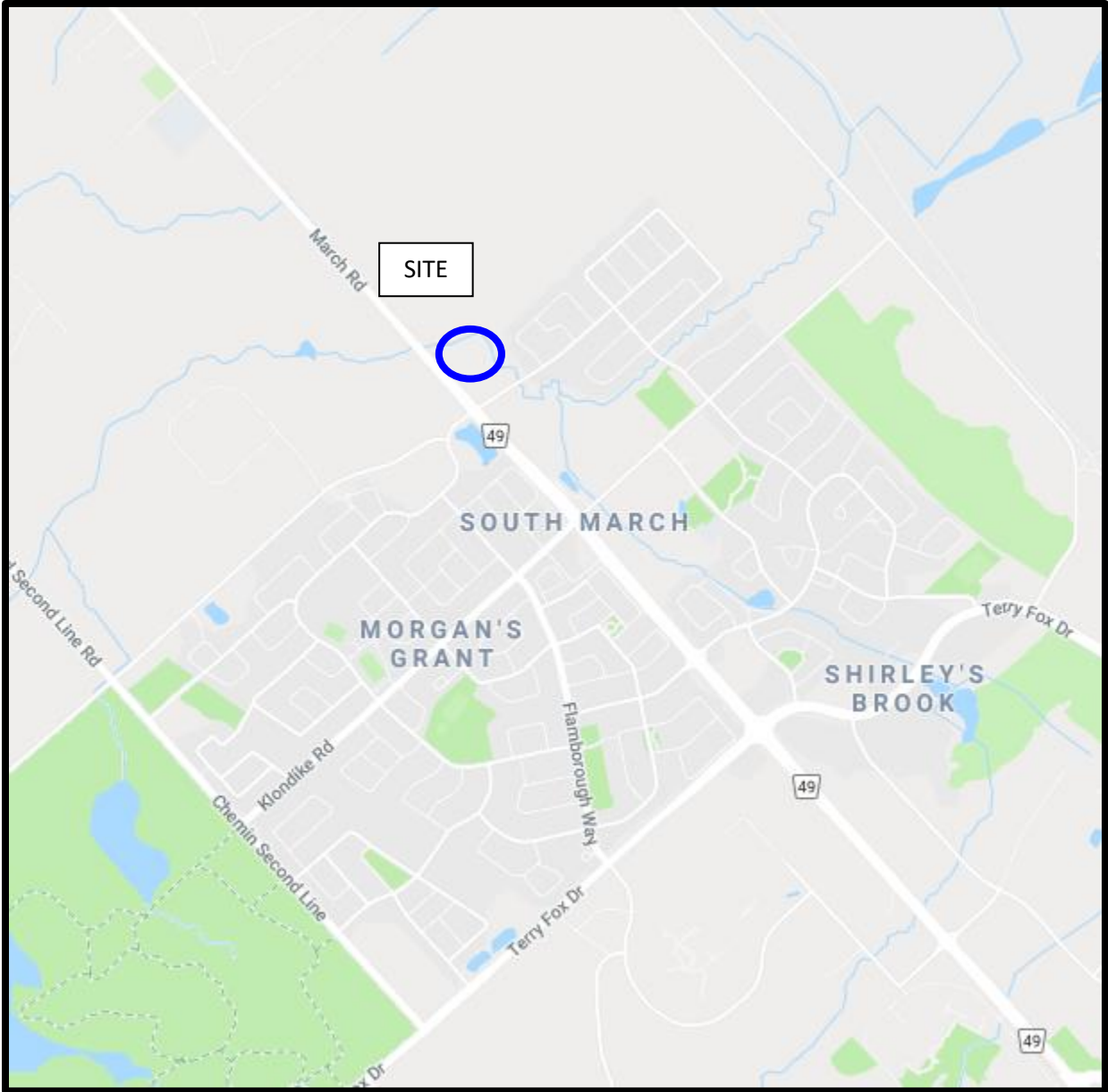


FIGURE 1
KEY PLAN