



Geotechnical  
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## Phase I-Environmental Site Assessment

4775 and 4875 Spratt Road  
Ottawa, Ontario

Prepared For

Riverside South Developments

### Paterson Group Inc.

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April 2, 2020

Report: PE4870-1

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## EXECUTIVE SUMMARY

### Assessment

Paterson Group was retained by Riverside South Developments to conduct a Phase I-Environmental Site Assessment (ESA) of the property addressed 4775 and 4875 Spratt Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I property.

According to the historical research, the Phase I Property was developed around or prior to 1960 and was occupied by a farmstead on each of the northern and southern portions of the Phase I Property until the mid-to-late 1990s, after which they were abandoned. Neighbouring land uses were for residential and agricultural purposes. No potentially contaminating activities were identified with the historical use of the Phase I Property or properties within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I Property is vacant. The neighbouring properties in the Phase I Study Area were observed from publicly accessible roadways. No potentially contaminating activities were identified on the Phase I Property or properties within the Phase I Study Area. Therefore, no areas of potential environmental concern with respect to the Phase I Property were identified.

### Conclusion

Based on the results of the assessment, **in our opinion, a Phase II- Environmental Site Assessment is not required for the subject property.**

## 1.0 INTRODUCTION

At the request of Riverside South Developments, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) of the property addressed 4775 and 4875 Spratt Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I-ESA by Mr. Marcel Denomme with Riverside South Developments. The head office is located at 2193 Arch Street, Ottawa, Ontario. Mr. Denomme can be reached by telephone at (613) 731-6331.

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

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

## 2.0 PHASE I PROPERTY INFORMATION

Address:	4775 and 4875 Spratt Road, Ottawa, Ontario.
Legal Description:	Lot 23 and 24, Concession 1 Rideau Front in the Township of Gloucester, now in the City of Ottawa.
Property Identification Numbers:	04330-0294 and 04330-0372
Location:	The site is located on the east side of Spratt Road, approximately 415m north of Rideau Road, in the City of Ottawa (formerly Gloucester), Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 15' 53.62" N, 75° 40' 49.66" W

### **Site Description:**

Site Area:	101.9 hectares (approximate)
Configuration:	Irregular.
Zoning:	DR – Development Reserve Zone
Current Use:	The subject site is currently unutilized vacant land.
Services:	Older homes in the area may be serviced by private wells and septic systems while all new development further north is municipally serviced.

### **3.0 SCOPE OF INVESTIGATION**

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

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

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

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

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

An aerial photograph from 1976 indicated that Phase I Property was developed at this time with two (2) farmstead on each of the northern and southern portions of the site. A domestic well record indicated that a private well on-site had been drilled in 1960. While the exact year of first developed use is unknown, for the purpose of this assessment, the first developed use of the Phase I Property is considered residential and agricultural in 1960.

#### **Fire Insurance Plans**

Fire Insurance Plans (FIPs) are not available for the Phase I Study Area.

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

City directories are not available for the Phase I Property or Study Area.

#### **Chain of Title**

A Chain of Title for the Phase I Property was not acquired nor considered necessary, as the Phase I Property was initially developed for agricultural and residential purposes circa 1960 and had been abandoned and vacant since the mid-to late 1990s.

#### **Previous Engineering Reports**

Paterson Group has conducted environmental and geotechnical investigations in the immediate vicinity of the subject site including a geotechnical investigation on site. Based on a review of our files, no potential environmental concerns were identified on the subject site or neighbouring lands.

## **Plan of Survey**

A plan of survey was not available for review during the time of this assessment.

## **4.2 Environmental Source Information**

### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on January 30, 2020. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

### **PCB Inventory**

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I Study Area.

### **Ministry of the Environment, Conservation and Parks (MECP) Instruments**

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. Based on the MECP FOI response, there was no information with regards to certificates of approvals, permits to take water, certificate of property use or any other similar MECP issued instruments for the Phase I Property. A copy of the MECP FOI response is included in Appendix 2.

### **MECP Submissions**

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the property. Based on the MECP FOI response, no potential environmental concerns were noted with regard to the Phase I Property. A copy of the MECP FOI response is included in Appendix 2.

### **MECP Waste Management Records**

A request was submitted to the MECP FOI office for information with respect to waste management records. Based on the MECP FOI response, no issues were reported with regard to waste management practices on the Phase I Property. A copy of the MECP FOI response is included in Appendix 2.



### **MECP Incident Reports**

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. Based on the MECP FOI response, no records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties were noted with regard to the Phase I Property. A copy of the MECP FOI response is included in Appendix 2.

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

The MECP document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I study area.

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

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or properties within the Phase I Study Area.

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

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located within 250 m of the Phase I Study Area.

### **Areas of Natural Significance**

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on January 30, 2020. The search did not reveal areas of natural significance within the Phase I Study Area.

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on January 31, 2020, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records are listed in the TSSA registry for the subject site or the adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

## **City of Ottawa Landfill Document**

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. There are no closed landfill sites within the vicinity of the Phase I Study Area.

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

A search of the City of Ottawa’s Historical Land Use Inventory (HLUI) database was conducted as part of this assessment. Based on the HLUI database, no activities associated with the Phase I Property were identified. An activity was apparently located at 671 Rideau Street (Road), however, the only structures along Rideau Road appears to be a farmstead, which was situated approximately 460 m southwest. It is expected that the information provided by the HLUI database is incorrect and applies to property outside the Phase I Study Area. No potential environmental concerns were noted with regard to the Phase I Property. A copy of the HLUI request form is provided in Appendix 2.

## **ERIS Report**

An ERIS search was conducted for the Phase I Property and lands within a 250 m search radius. No records were found regarding the Phase I Property, with the exception of a domestic well record from 1960, which is discussed in the next Section 4.3.

Four (4) records pertaining to environmental compliance approvals and certificates of approvals were identified lands on neighbouring lands, which are considered non-issues. One abandoned mine record, specifically a former ‘quarry’ was identified 30 m north of the Phase I Property. No additional information provided was provided in the ERIS report regarding the quarry. A Google Earth image dated 2020, the adjacent property to the north appears to have some aggregate activity, but nothing significant and that would pose a concern to the Phase I Property. Based on the findings of the ERIS report, no PCAs were identified in the ERIS search. A copy of the ERIS search is appended to this report.

## 4.3 Physical Setting Sources

### Aerial Photographs

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

- |      |   |
|------|---|
| 1976 | The northern portion of the Phase I Property appears to be occupied by a farmstead, while the southern portion consists appears to have been occupied by a farmstead that has been abandoned for some time, where on the buildings foundation can be seen at this time. The neighbouring lands are occupied with some farmsteads and agricultural fields. |
| 1991 | The northern portion of the Phase I Property appears unchanged from the previous photograph, however, very little of the abandoned farmstead can be seen at this time.  |
| 1999 | GeoOttawa – the farmstead on the northern portion appears to have been abandoned, while the southern portion appears vacant at this time.   |
| 2008 | No significant changes have been made to the subject site or neighbouring properties.   |
| 2017 | The subject site and neighbouring lands remain unchanged from the previous photograph. Further north is a new residential development.  |

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

### Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area slopes down in a westerly direction towards the Rideau River. The Rideau River is located to approximately 1.5 km to the west. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

## **Physiographic Maps**

The Ontario Geological Survey publication ‘The Physiography of Southern Ontario, Third Edition’ was reviewed as a part of this assessment. According to the publication, the site is situated within the Ottawa Clay Plain physiographic region.

## **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area consists of sandstone and dolomite of the March Formation. The site is located in an area that is predominately made up of till with some nearshore marine sediments of sand and reworked glaciofluvial silt and clay, with an overburden thickness ranging from 5 to 15 meters.

## **Water Well Records**

A well record search was conducted on January 31, 2020 for all drilled wells within 250 m of the subject site. The well record search returned eighteen (18) records. One potable well record from 1960 was identified on Lot 24 (southern portion of the site). The well was drilled to fresh water at a depth of 28.6 m below ground surface (mbgs). Based on this record, the site stratigraphy consists of glacial till and limestone bedrock. The overburden thickness was approximately 11.6 mbgs. No other information was provided. The remaining domestic wells were located off-site. No abandonment well records were found. A copy of the well records has been included in Appendix 2.

## **Water Bodies and Areas of Natural Significance**

No water bodies or areas of natural significance are known to exist on the Phase I Property. A small ravine is present to the east.

# **5.0 INTERVIEWS**

## **Property Owner Representative**

Christa Jones of Riverside South Developments was interviewed as part of this assessment via email. According to Ms. Jones, the subject site has been vacant since Riverside South Developments purchased the properties in 2002. 4775 and 4875 Spratt Road were both occupied by farmsteads which had been abandoned in the 1990s and 1970s, respectively. The lands have been vacant since. Ms. Jones is not aware of any potential environmental concerns with respect to the subject or adjacent properties.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

The site visit was conducted on January 30, 2020. Weather conditions were overcast with a temperature of approximately -9°C. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment. In addition to the site use, neighbouring land use within the Phase I Study Area was also assessed at the time of the site visit.

### **6.2 Specific Observations at Phase I Property**

#### **Buildings and Structures**

No buildings or structures are present on the Phase I Property.

#### **Site Features**

The Phase I Property is vacant land covered in brush and tall trees. The site was stripped of vegetation and topsoil with large piles of native soil (topsoil) across the site. Site drainage is primarily infiltration. The site topography is at the grade of Spratt Road.

Due to the vegetation stripping as part of early stages of development, the site is rather undulating with a general slope down in a north-westerly direction. The regional topography slopes down towards the west in the direction of the Rideau River, approximately 1.5 km from the Phase I Property.

No underground utilities were noted on-site. No drains or private sewage systems were observed at the subject property at the time of the site visit. The site is suspected to have been originally serviced by a private sewage system. No evidence of current or former railway or spur lines on the subject property was observed at the time of the site visit. No areas of staining or unidentified substances were observed on-site at this time.

## **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the Phase I Property was as follows:

- North: Residential and vacant land, followed by a new residential development;
- South: Agricultural land and farmstead, followed by River Road;
- East: Vacant land and ravine, followed by vacant land; and
- West: Spratt Road followed by vacant land.

The current use of the adjacent properties is not considered to pose an environmental concern to the Phase I Property. No properties within the Phase I Study Area are occupied by potentially contaminating activities. Current land use in the Phase I Study Area is illustrated on Drawing PE4870-2 – Surrounding Land Use Plan in the Figures section of this report.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Land Use History

The following table indicates the current and past uses of the site as well as any associated potentially contaminating activities dating back to the first developed use of the site.

<b>Table 1 - Land Use History – 4775 and 4875 Spratt Road</b>				
<b>Time Period</b>	<b>Landowner</b>	<b>Property Use</b>	<b>Land Use</b>	<b>Specific observations of the phase I Property (i.e. aerial photographs, directories, interviews, etc.)</b>
Prior to 1960	unknown	Suspected farmsteads	Agricultural Use	A domestic well record for Lot 24 (4875 Spratt Rd) was drilled in 1960.
1960-1999	unknown	Farmstead and vacant land	Agricultural Use and unutilized land	1976 aerial photograph shows that the northern portion of the Phase I Property was occupied by a farmstead, while the farmstead situated on the southern part of the site has been abandoned.  1999 aerial photograph shows an abandoned farmstead at 4775 Spratt Road.
1999-Present	Riverside Developments	Vacant	Vacant	Personal interview regarding landownership.

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

No potentially contaminating activities (PCAs) were identified at the Phase I Property or within the Phase I Study Area. Therefore, no Areas of Potential Environmental Concern (APECs) were identified on the Phase I Property.

#### **Contaminants of Potential Concern**

No Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

## **7.2 Conceptual Site Model**

### **Geological and Hydrogeological Setting**

Based on information from the Geological Survey of Canada, drift thickness in the area of the subject site is estimated to be on the order of 5 to 15 m. The overburden on-site is predominately till with some nearshore marine sediments of sand and reworked glaciofluvial silt and clay. Bedrock in the area is comprised of sandstone and dolomite from the March Formation.

Based on topographical mapping, groundwater in the vicinity of the Phase I Property is inferred to flow in a westerly/northwesterly direction towards the Rideau River.

### **Existing Buildings and Structures**

No buildings or structures exist on the Phase I Property.

### **Water Bodies and Areas of Natural Significance**

No water bodies or areas of natural significance were identified on the Phase I Property or in the Phase I Study Area.

### **Drinking Water Wells**

Based on the MECP well record inventory website, one potable water was found on the Phase I Property from 1960. It is expected that this well is not in use, despite that there are no well abandonment records. No potential environmental concern has been identified with respect to the Phase I property.

### **Neighbouring Land Use**

Neighbouring land use in the Phase I Study Area consists of vacant, undeveloped land and/or residences.

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

As per Section 7.1 of this report, PCAs were not identified on the Phase I Property or on properties within the Phase I Study Area. Therefore, no APECs are present on the Phase I Property.



### **Contaminants of Potential Concern**

As per Section 7.1 of this report, no Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

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

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no APECs on the subject site. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

## 8.0 CONCLUSIONS

### Assessment

Paterson Group was retained by Riverside South Developments to conduct a Phase I-Environmental Site Assessment (ESA) of the property addressed 4775 and 4875 Spratt Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I property.

According to the historical research, the Phase I Property was developed around or prior to 1960 and was occupied by a farmstead on each of the northern and southern portions of the Phase I Property until the mid-to-late 1990s, after which they were abandoned. Neighbouring land uses were for residential and agricultural purposes. No potentially contaminating activities were identified with the historical use of the Phase I Property or properties within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I Property is vacant. The neighbouring properties in the Phase I Study Area were observed from publicly accessible roadways. No potentially contaminating activities were identified on the Phase I Property or properties within the Phase I Study Area. Therefore, no areas of potential environmental concern with respect to the Phase I Property were identified.

### Conclusion

Based on the results of the assessment, **in our opinion, a Phase II-Environmental Site Assessment is not required for the subject property.**

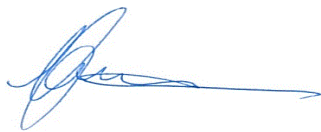
## 9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of Riverside South Developments. Permission and notification from Riverside South Developments and Paterson will be required to release this report to any other party.

### Paterson Group Inc.



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



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



### Report Distribution:

- Riverside South Developments
- Paterson Group

## 10.0 REFERENCES

### **Federal Records**

Air photos at the Energy Mines and Resources Air Photo Library.  
National Archives.  
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).  
Natural Resources Canada – The Atlas of Canada.  
Environment Canada, National Pollutant Release Inventory.  
PCB Waste Storage Site Inventory.

### **Provincial Records**

MECP Freedom of Information and Privacy Office.  
MECP Municipal Coal Gasification Plant Site Inventory, 1991.  
MECP document titled “Waste Disposal Site Inventory in Ontario”.  
MECP Brownfields Environmental Site Registry.  
Office of Technical Standards and Safety Authority, Fuels Safety Branch.  
MNR Areas of Natural Significance.  
MECP Water Well Record Inventory.  
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

### **Municipal Records**

City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.  
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.  
geoOttawa: City of Ottawa electronic mapping website.  
City of Ottawa Historical Land Use Inventory (HLUI) Database

### **Local Information Sources**

Personal Interviews.  
Previous Engineering Reports.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

### **Private Information Sources**

ERIS Report.

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE4870-1 – SITE PLAN**

**DRAWING PE4870-2 – SURROUNDING LAND USE PLAN**

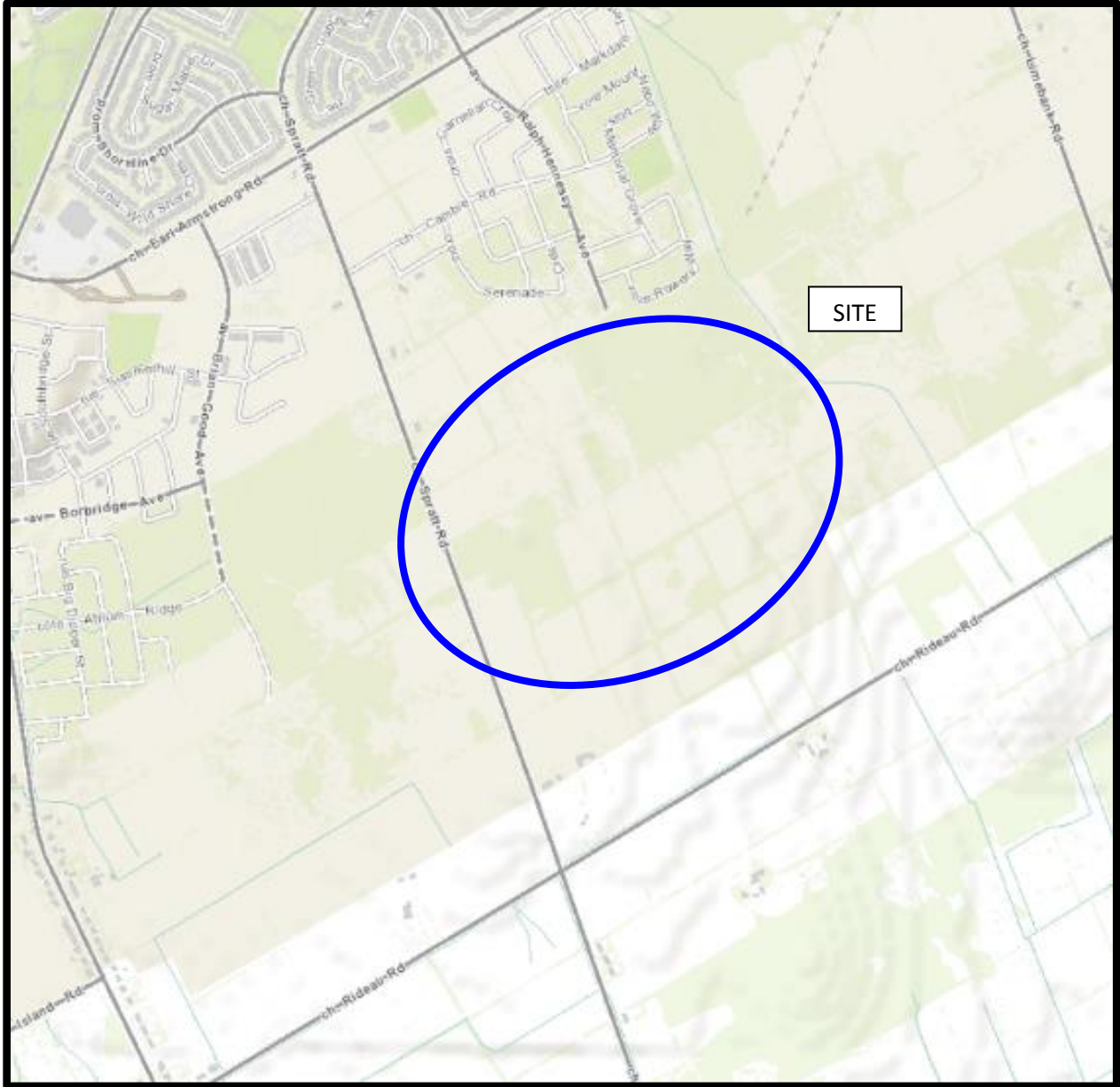


FIGURE 1  
KEY PLAN

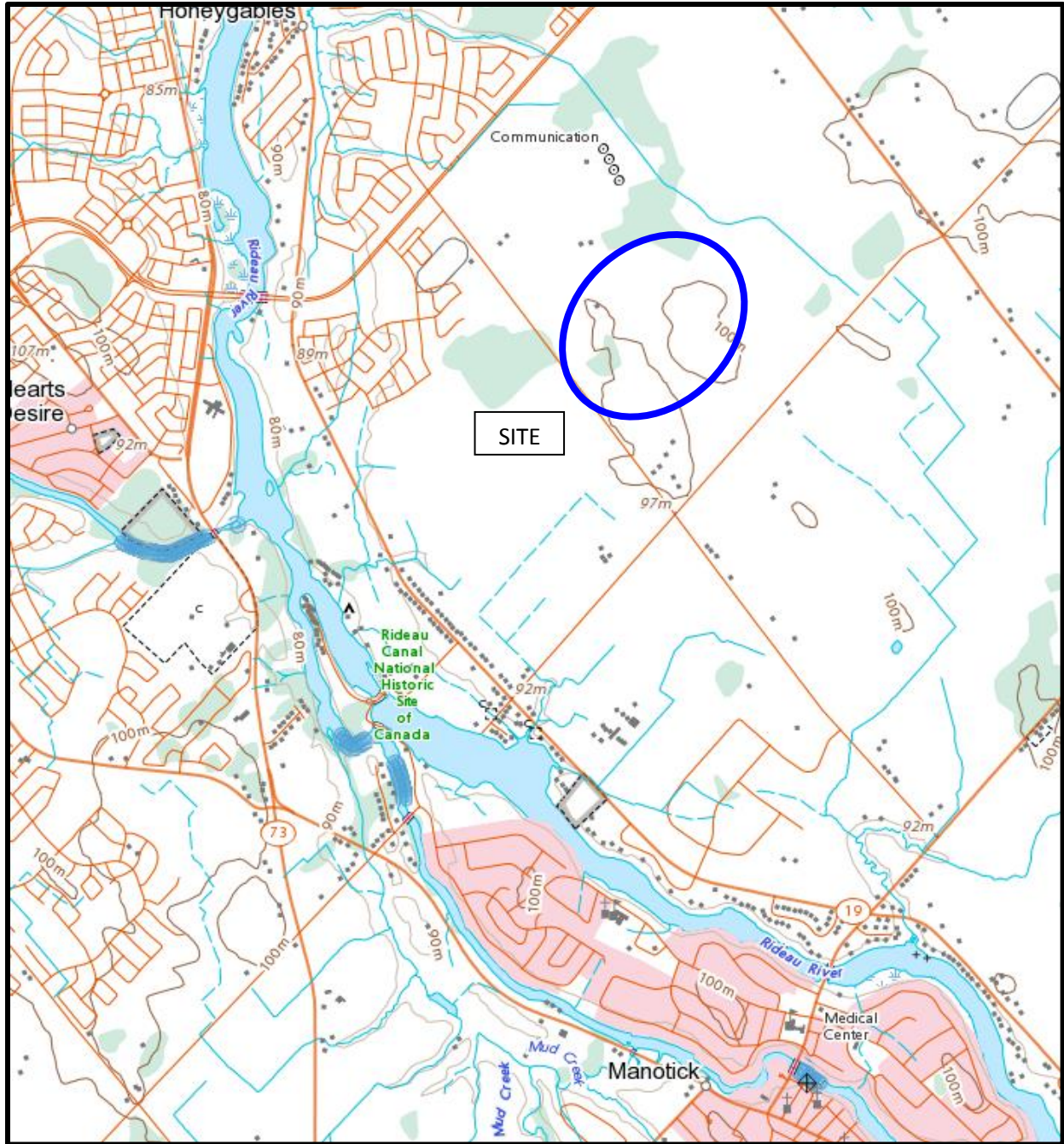
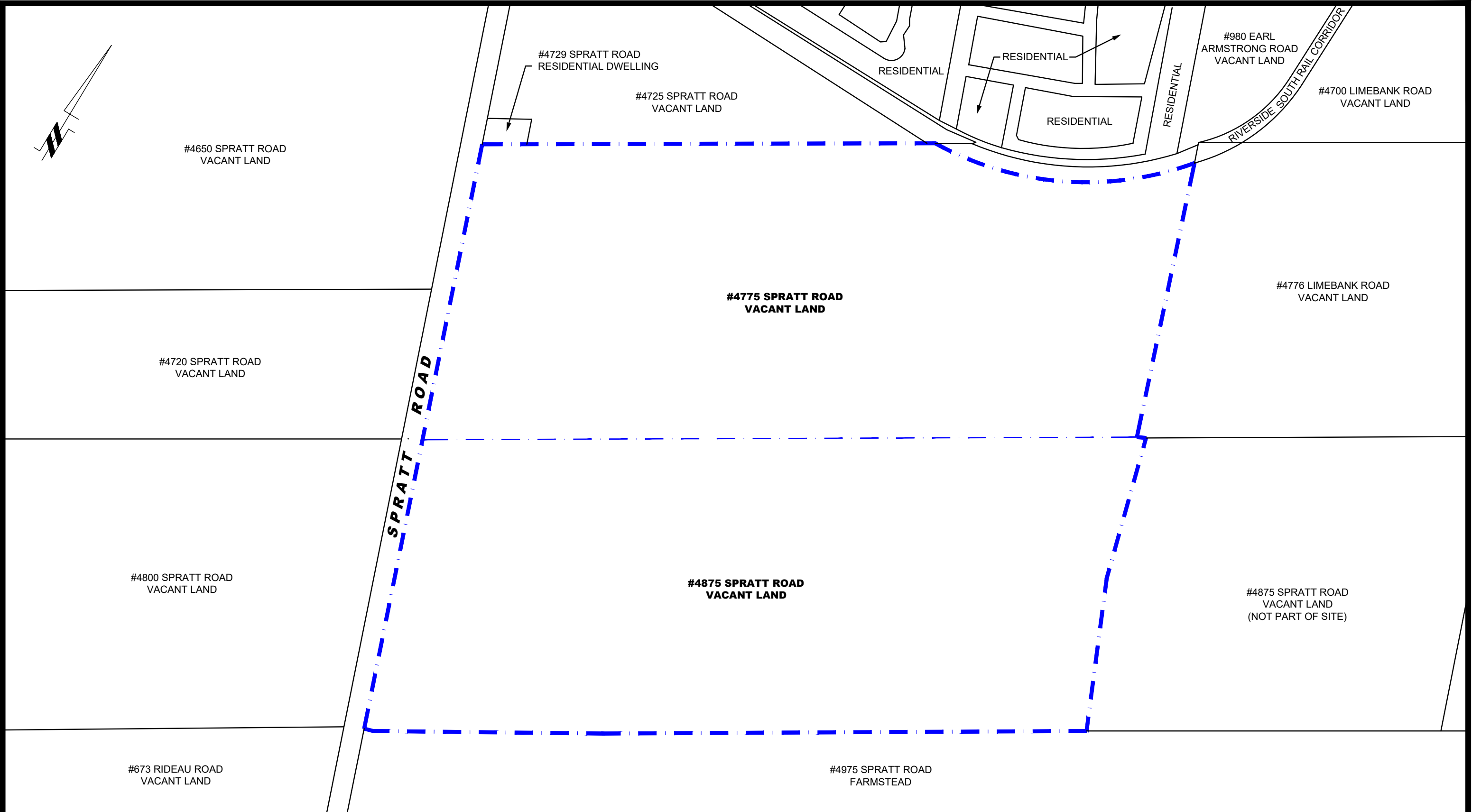
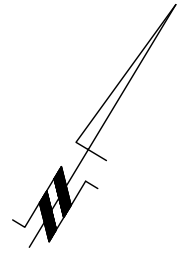


FIGURE 2  
TOPOGRAPHIC MAP



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NO.	REVISIONS	DATE	INITIAL

RIVERSIDE SOUTH DEVELOPMENTS  
PHASE I - ENVIRONMENTAL SITE ASSESSMENT  
4775 AND 4875 SPRATT ROAD

OTTAWA, ONTARIO

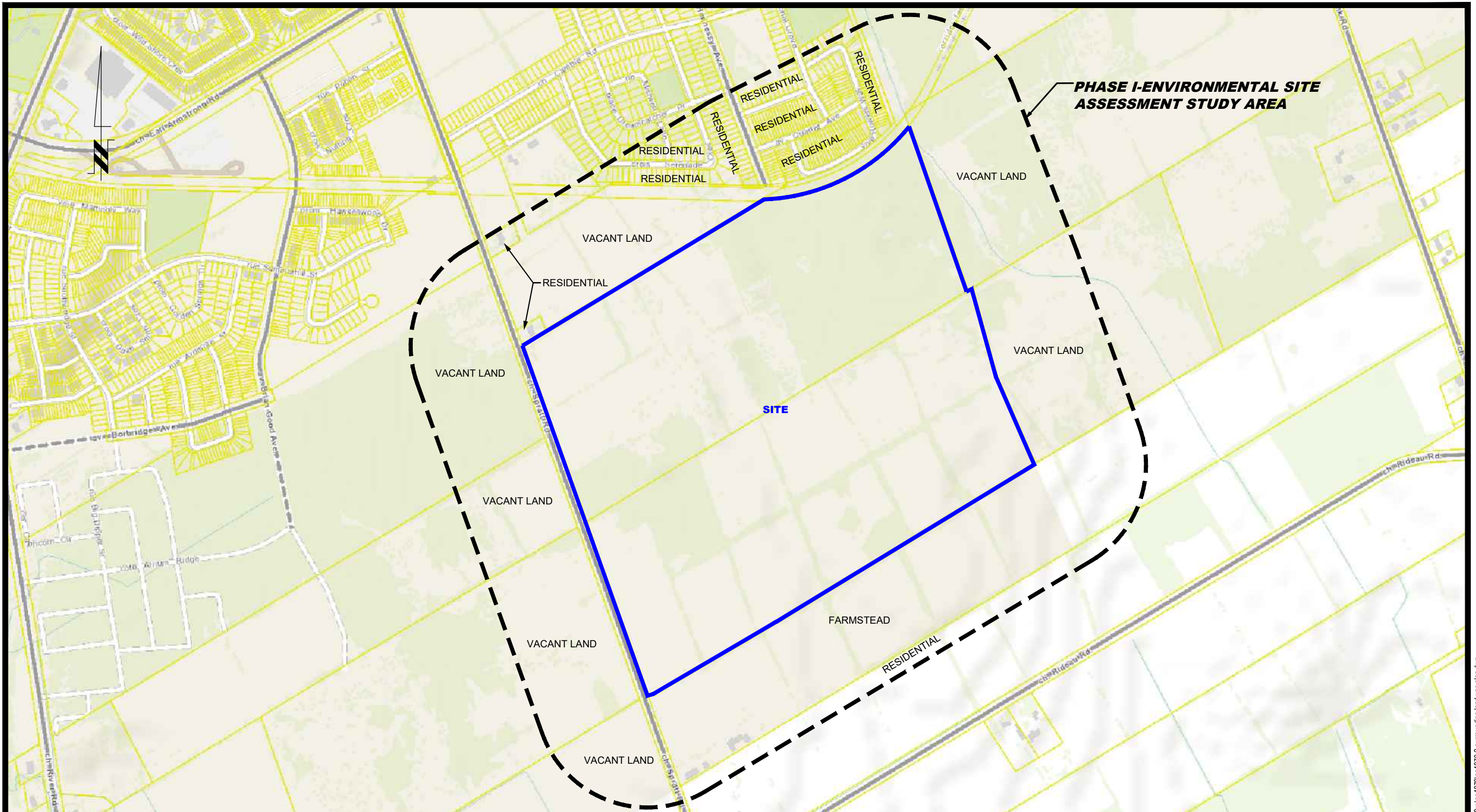
**SITE PLAN**

Scale: 1:5000  
Drawn by: NFRV  
Checked by: MW  
Approved by: MSD

Date: 01/2020  
Report No.: PE4870-1  
Dwg. No.: **PE4870-1**  
Revision No.:

p:\autocad\drawings\environmental\pe4870\pe4870-1-site plan.dwg





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NO.	REVISIONS	DATE	INITIAL

RIVERSIDE SOUTH DEVELOPMENTS  
**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**  
 4775 AND 4875 SPRATT ROAD  
 OTTAWA, ONTARIO  
 Title: **SURROUNDING LAND USE PLAN**

Scale: 1:8000  
 Drawn by: NFRV  
 Checked by: MW  
 Approved by: MSD

Date: 01/2020  
 Report No.: PE4870-1  
 Dwg. No.: **PE4870-2**  
 Revision No.:

# **APPENDIX 1**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



AERIAL PHOTOGRAPH  
1976



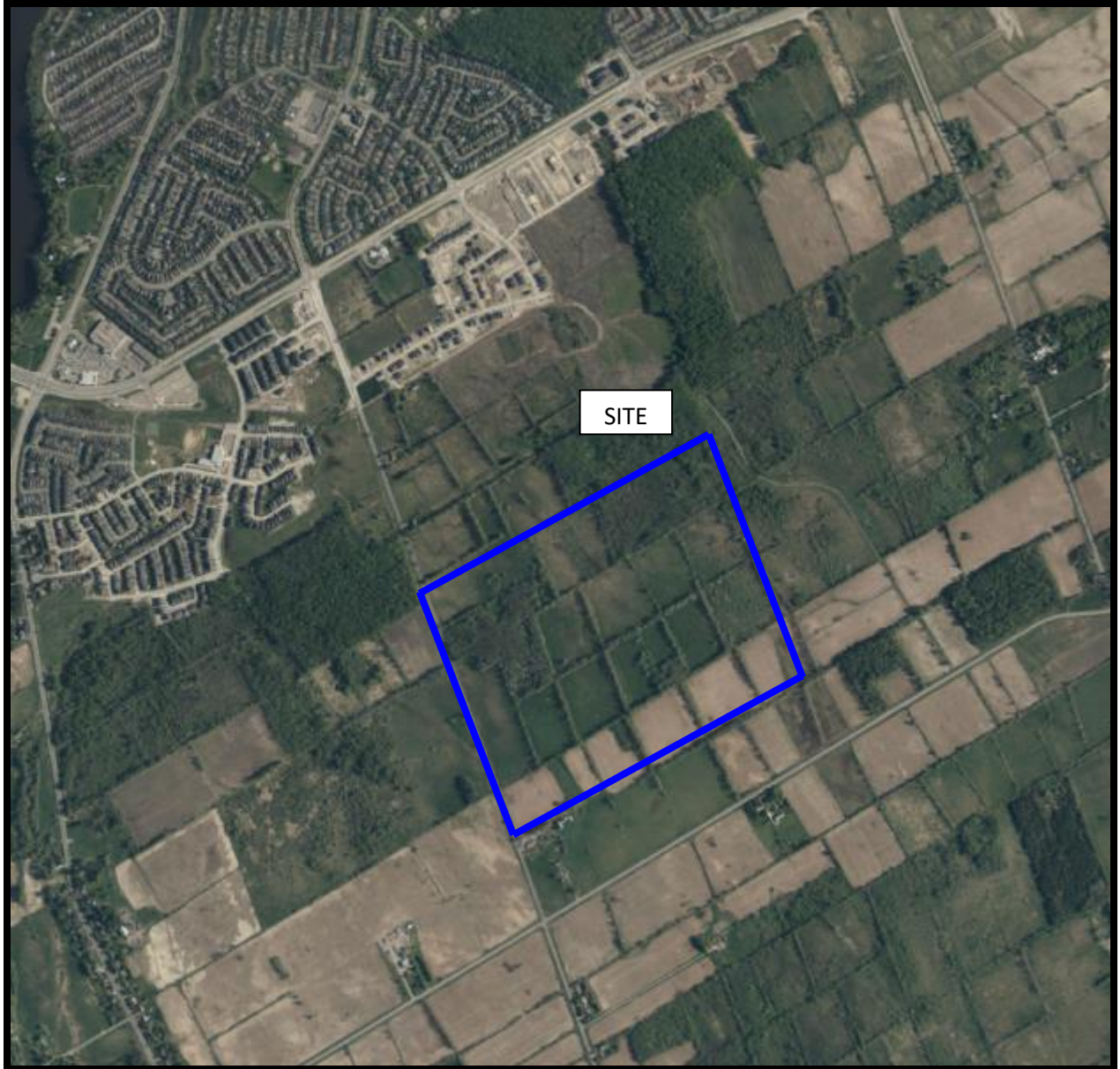
AERIAL PHOTOGRAPH  
1991



AERIAL PHOTOGRAPH  
1999



AERIAL PHOTOGRAPH  
2008



AERIAL PHOTOGRAPH  
2017

## Site Photographs

PE4870

4775 and 4875 Spratt Road, Ottawa, ON

January 30, 2020



Photograph 1: View of the southern portion of the Phase I Property, looking east.



Photograph 2: Central and eastern view of the Phase I Property.



## Site Photographs

PE4870

4775 and 4875 Spratt Road, Ottawa, ON

January 30, 2020



Photograph 3: North view of the Phase I Property, looking Norwest.

# **APPENDIX 2**

**MECP FREEDOM OF INFORMATION**

**TSSA CORRESPONDENCE**

**MECP WELL RECORDS**

**HLUI RESPONSE**

**ERIS REPORT**

Ministry of the Environment,  
Conservation and Parks

Access and Privacy Office  
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Tel: (416) 314-4075  
Fax: (416) 314-4285

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

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



February 7, 2020

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-2020-00695, Your Reference PE4870**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 4775 and 4875 Spratt Rd, Ottawa (one site).

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions 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. This file is now closed.**

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 or [dany.briollais@ontario.ca](mailto:dany.briollais@ontario.ca).

Yours truly,

A handwritten signature in black ink, appearing to be "Noel Kent", written over a horizontal line.

Noel Kent  
Manager (Acting), Access and Privacy

## Mandy Witteman

---

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** Friday, January 31, 2020 10:45 AM  
**To:** Mandy Witteman  
**Subject:** RE: Search records request (PE4870)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

### **NO RECORD FOUND (FUEL STORAGE TANKS ONLY)**

Hello. Thank you for your request for confirmation of public information.

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

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

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,

Gaya

---

**From:** Mandy Witteman <MWitteman@Patersongroup.ca>  
**Sent:** January 31, 2020 8:35 AM  
**To:** Public Information Services <publicinformationsservices@tssa.org>  
**Subject:** Search records request (PE4870)

Good morning,

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:**

Spratt Rd: 4775, 4875, 4979, 4800, 4720, 4650, 4725, 4729,

Thank you

Cheers,

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

**patersongroup**  
solution oriented engineering  
over 60 years servicing our clients

154 Colonnade Road South  
Ottawa, Ontario, K2E 7J5  
Tel: (613) 226-7381 Ext. 339  
Cell: (403) 921-1157

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



File Number: D06-03-20-0036

March 6, 2020

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

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

Dear Ms. Witteman,

**Re: Information Request  
4775 - 7875 Spratt 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. Activity 6467 has been identified with a PIN Certainty of “2”.

*Shaping our future together  
Ensemble, formons notre avenir*

City of Ottawa  
Planning, Infrastructure and Economic  
Development Department

110 Laurier Avenue West, 4th Floor  
Ottawa, ON K1P 1J1  
Tel: (613) 580-2424 ext. 21690  
Fax: (613) 560-6006  
www.ottawa.ca

Ville d'Ottawa  
Services de la planification, de l'infrastructure et  
du développement économique

110, avenue Laurier Ouest, 4e étage  
Ottawa (Ontario) K1P 1J1  
Tél.: (613) 580-2424 ext. 21690  
Télééc: (613) 560-6006  
www.ottawa.ca

Please note that certain activities have been identified to have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

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, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

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 Jeffrey Ren at 613-580-2424 ext. 14743 or [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca)

Sincerely,

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

Jeffrey Ren

Per:

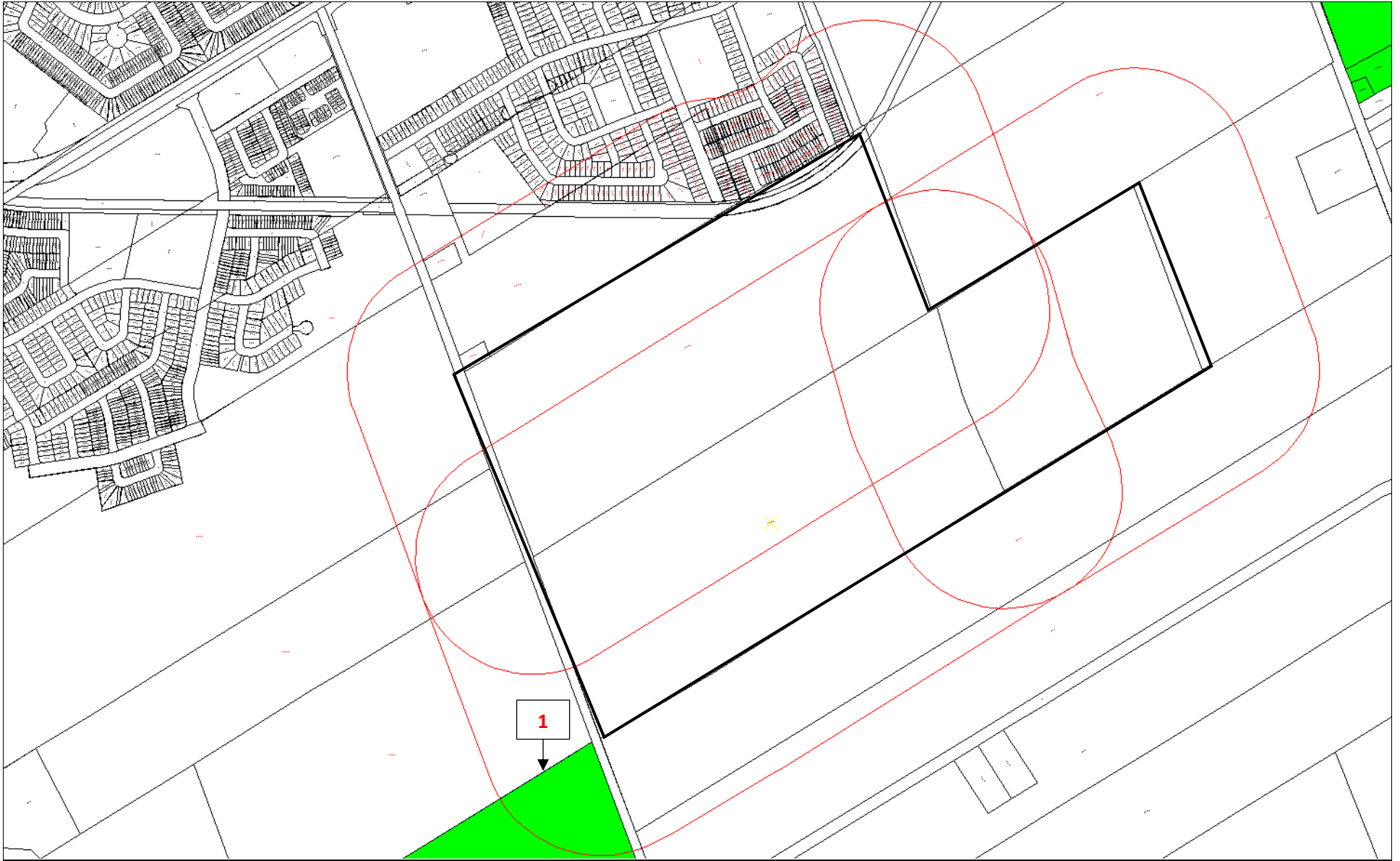
Michael Boughton, MCIP, RPP  
Senior Planner  
Development Review East  
Planning Services  
Planning, Infrastructure and Economic Development Department

MB/JR

Enclosures.

cc: File no. D06-03-20-0036





**Address:** 4775 - 4875 Spratt Road  
Ottawa, ON  
**File No.:** D06-03-20-0036  
**Prepared By:** Jeffrey Ren

**Legend:** Area Number  
 Subject Site  
 250 m Buffer  
**Scale:** 1 : N/A



Area	Associated HLUI Activities	Associated HLUI Activities with a PIN Certainty of "2" *
Subject Property		
1		6467

\*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.



# **Historical Land Use Inventory** ***Adjacent Properties within 250m*** **Area & Activity Numbers**



# Historical Land Use Inventory Area 1 Activity Numbers



**CITY OF OTTAWA**

**HLUI ID: \_\_679AXN**

**AREA (Square Metres): 458208.417**

Report: RPTC\_OT\_DEV0122

Run On: 06 Mar 2020 at: 16:09:56

**Study Year**  
2005

**PIN**  
043300066

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 6467 **Multiple PINS:** N

**PIN Certainty:** 2 **Previous Activity ID(s) :**

**Related PINS:** 043300066

**Name:** JAWS PERFORMANCE LIMITED  
**Address:** 671 RIDEAU STREET, MANOTICK

**Facility Type:** Motor Vehicle Repair Shops

**Comments 1:** no pin for 671 - pin is for 673

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2001 Employment Survey

**NAICS**      **SIC**  
811112      0

**Company Name**

JAWS PERFORMANCE LIMITED

**Year of Operation**

c. 2001

316/56

e

UTM 118 2 4 46181310 E  
5 R 50111191410 N



15 No 1676  
GROUND WATER RECORD  
ONTARIO WATER RESOURCES COMMISSION  
610465715

Elev 714 R 40 513 17

The Ontario Water Resources Commission Act, 1957

Basin 2 5 5 1 1 1 1

# WATER WELL RECORD

County or District Carleton

Township, Village, Town or City Huron

Date completed 7 June 1960  
day month year

Address Manotick

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 5" x 4 1/2"  
Total length of casing 38 ft + 5" = 11 ft + 4"  
Type of screen coil  
Length of screen —  
Depth to top of screen —  
Diameter of finished hole 4"

Static level 20'  
Test-pumping rate 10 G.P.M.  
Pumping level 22'  
Duration of test pumping 1 hr.  
Water clear or cloudy at end of test clear  
Recommended pumping rate 10 G.P.M.  
with pumping level of 22'

## Well Log

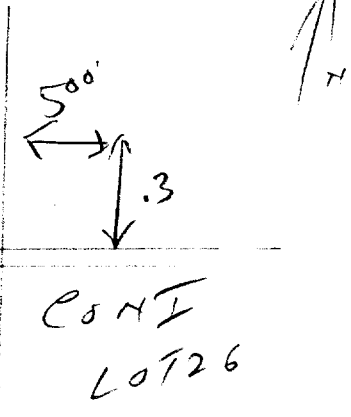
## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
<u>Clay &amp; Boulders</u>	<u>0'</u>	<u>38'</u>			
<u>Limestone</u>	<u>38'</u>	<u>94'</u>	<u>94'</u>	<u>74' <del>20'</del></u>	<u>fresh</u>

For what purpose(s) is the water to be used?  
Farm  
Is well on upland, in valley, or on hillside?  
Upland  
Drilling Firm Blair Shelly Drilling Co. Ltd  
Address Ottawa  
Licence Number 481  
Name of Driller J. Moore  
Address RR#2 Kars  
Date 4 June 1960  
Blair Shelly  
(Signature of Licensed Drilling Contractor)

## Location of Well

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



310/56.



15 No 1677

UTM 118Z 44711010E

5R 5101111710N The Ontario Water Resources Commission Act

Elev. 4R 0322

# WATER WELL RECORD

Basin 25 | 180CE Tar  
County or District

Township, Village, Town or City Georgetown

Con. IRP Lot 26

Date completed 7 Nov 66  
(day month year)

Address 10#2 Macintosh

### Casing and Screen Record

Inside diameter of casing ..... 5

Total length of casing ..... 35

Type of screen .....

Length of screen .....

Depth to top of screen .....

Diameter of finished hole ..... 5

### Pumping Test

Static level ..... 19

Test-pumping rate ..... 5 G.P.M.

Pumping level ..... 22

Duration of test pumping ..... 1 1/2

Water clear or cloudy at end of test ..... clear

Recommended pumping rate ..... 5 G.P.M.

with pump setting of 30 feet below ground surface

### Well Log

### Water Record

#### Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>3000 ft clay</u>	<u>0</u>	<u>24</u>		
<u>5 ft sand</u>	<u>24</u>	<u>33</u>		
<u>2100 ft sand</u>	<u>38</u>	<u>44</u>	<u>44</u>	<u>fresh</u>

For what purpose(s) is the water to be used? FARM

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

Drilling or Boring Firm M. McLaughlin

Address 51100

Licence Number 2157

Name of Driller or Borer S. J. ...

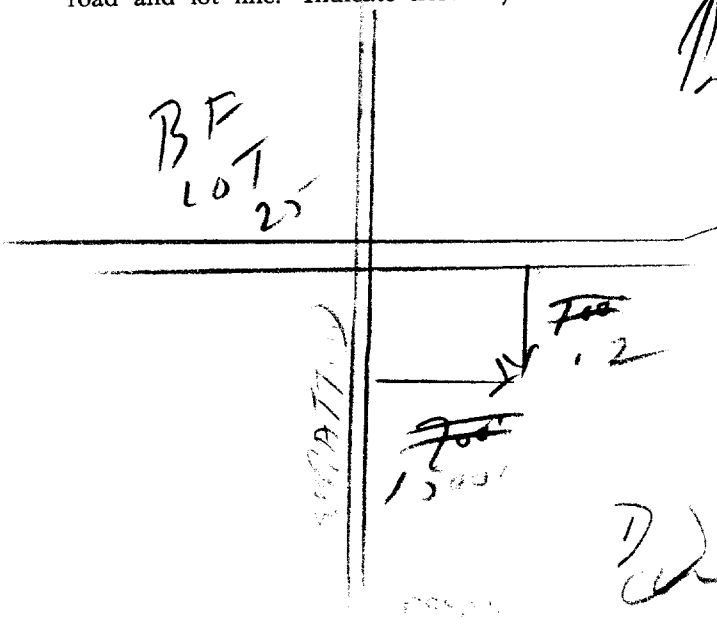
Address .....

Date 11/6

M. McLaughlin  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



316/56.

11

15 No 2359

UTM 118Z 446500E

9R 507115710N

Elev. 9R 0320

Basin

*Inefficient data plot contour*



The Well Drillers Act  
Department of Mines, Province of Ontario

RECEIVED  
FEB 26 1948  
GEOLOGICAL BRANCH  
DEPARTMENT OF MINES

# Water Well Record

Date Completed *Aug 7, 47* Cost of Well (not including pump) *\$150.00*  
Section *Q.F.* Con. *1* Lot *25* Pt. Lot  
Address *Central Rd.* Acres *1*

### Pipe and Casing Record

### Pumping Test

Casing diameter(s) <i>4 inches</i>	Date <i>Aug 7/47</i>
Length(s) of casing(s) <i>28 ft</i>	Developed Capacity <i>5 gals per minute</i>
Length of screen	Duration of Test <i>1/2 hour</i>
Type of screen	Pumping Rate <i>8 gals per minute</i>
Type of pump <i>Barler</i>	Drawdown P.L.? <i>20 ft</i>
Capacity of pump <i>4 gals</i>	Static level of completed well <i>12 ft</i>
Depth of pump setting	Is well a gravel-wall type? <i>No</i>

### Water Record

Kind (fresh or mineral)	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<i>Soft</i>	<i>80 ft</i>	<i>Soft</i>	<i>68 ft</i>
Quality (hard, soft, contains iron, sulphur etc.)			
Appearance (clear, cloudy, coloured) <i>Clear</i>			
For what purpose(s) is the water to be used? <i>Domestic</i>			
How far is well from possible source of contamination? <i>50 ft</i>			
What is source of contamination? <i>Septic tank</i>			
Enclose a copy of any mineral analysis that has been made of water			

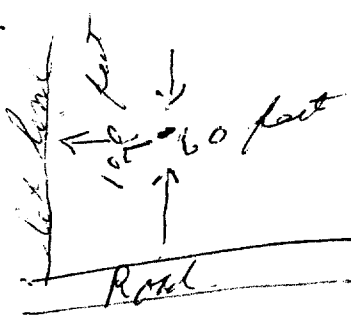
### Well Log

#### Drift and Bedrock Record

	From	To
<i>Clay loam</i>	<i>0 ft.</i>	<i>5 ft.</i>
<i>Gravel clay</i>	<i>5</i>	<i>18</i>
<i>Grey sand</i>	<i>18</i>	<i>20</i>
<i>fine black sand</i>	<i>20</i>	<i>28</i>
<i>Grey slate</i>	<i>28</i>	<i>30</i>

### Location of Well

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



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

Drilling Firm *J. H. Adams*

Address *Hurdwars Bridge Ont*

Recorded by *J. H. Adams* Address

Date *Feb 13 48* Licence Number *91*



316/56.

12

Form No. 2 2M-May 1946-A849

UTM 118 Z 446630 E

2 R 5041410 N

Elev. 9 R 0333

Basin 25

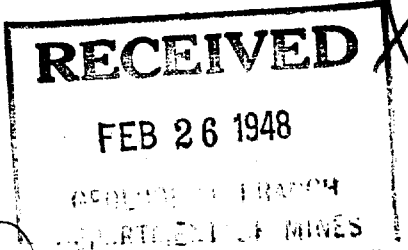


ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 2360



# Water Well Record

Con. 1 Lot. 25 Pt. Lot. . . . .  
 P. T. W. Ottawa Acres 1/3  
 Date Completed . . . . . Cost of well (not including pump) . . . . .

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) . . . . . 4 inches	Date . . . . . Aug 26/47
Length(s) of casing(s) . . . . . 18 ft	Developed Capacity . . . . . 3 gals per minute
Length of screen . . . . .	Duration of Test . . . . . 1 hour
Type of screen . . . . .	Pumping Rate . . . . . 8 gals per minute
Type of pump . . . . . bailer	Drawdown . . . . . 92 ft S.P.L.
Capacity of pump . . . . . 4 gal	Static level of completed well . . . . . 30 ft
Depth of pump setting . . . . .	Is well a gravel-wall type? . . . . . no

## Water Record

Kind (fresh or mineral) . . . . . fresh	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur etc.) . . . . . hard	92 ft	hard	62 ft
Appearance (clear, cloudy, coloured) . . . . . clear			
For what purpose(s) is the water to be used? . . . . . domestic			
How far is well from possible source of contamination? . . . . . 100 ft			
What is source of contamination? . . . . . surface water			
Enclose a copy of any mineral analysis that has been made of water . . . . .			

## Well Log

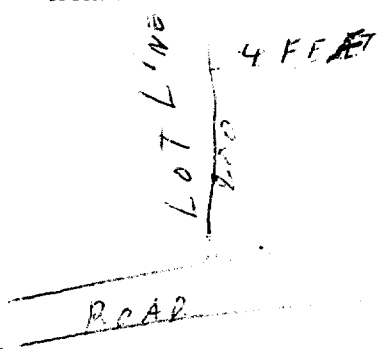
Drift and Bedrock Record

From To

loose rock	0 ft.	18 ft.
bed rock	18	92

## Location of Well

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



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

Drilling Firm . . . . . J. H. Adams

Address . . . . . Haymans Bridge Cent.

Recorded by . . . . . J. H. Adams Address . . . . .

Date . . . . . Oct 13/48 Licence Number . . . . . 91



316/56

6

O.F.

15 No 2362

UTM 118Z 4466210E

9R 501111910N

Elev. 9R 031150

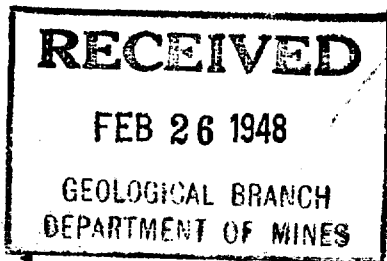
Basin 25



ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario



# Water Well Record

Plan 300  
Pt. Lot 26  
38 Acres 110 x 126  
\$126.00

Date Completed March 4/47 Cost of Well (not including pump) \$126.00

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) 5 inches	Date March 4/47
Length(s) of casing(s) 29 ft	Developed Capacity 1 gal per minute
Length of screen	Duration of Test 2 hours
Type of screen	Pumping Rate 2 gal per minute
Type of pump Boiler	Drawdown 10 ft
Capacity of pump 4 gals	Static level of completed well 5 ft
Depth of pump setting	Is well a gravel-wall type? no

## Water Record

Kind (fresh or mineral) fresh	Depth(s) to Water Horizon(s) 65 ft	Kind of Water Hard	No. of Feet Water Rises 63 ft
Quality (hard, soft, contains iron, sulphur etc.) hard			
Appearance (clear, cloudy, coloured) clear			
For what purpose(s) is the water to be used? Garage Purposes			
How far is well from possible source of contamination? 100 ft			
What is source of contamination? surface			
Enclose a copy of any mineral analysis that has been made of water			

## Well Log

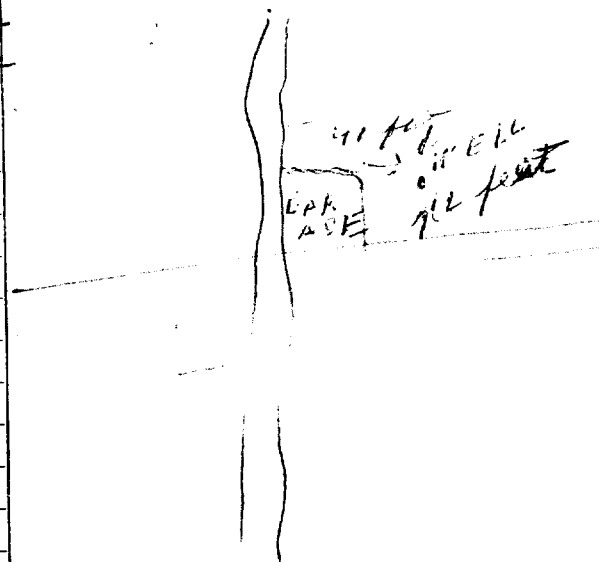
### Drift and Bedrock Record

From	To
0 ft.	2 ft.
2 ft	20 ft
20 ft	29 ft
29	68

Dark Soil  
Brown sand, stone & gravel  
Fine grey sand  
Soft Rock

## Location of Well

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



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

Drilling Firm J.H. Adams

Address Hardmans Bridge Cent

Recorded by J.H. Adams Address

Date March 4 1947 Licence Number 91

UTM 1182 447260 E

9R 5011520 N

Elev. 9R 03213

Basin 25



The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED FEB 26 1948 GEOLOGICAL BRANCH DEPARTMENT OF MINES

OF Con 1st 26

Water Well Record

Date Completed March 28/47. Cost of Well (not including pump) \$200.00. Con 1st Lot #26. Acres 100 ft sq.

Pipe and Casing Record

Pumping Test

Casing diameter(s) 4 inches. Length(s) of casing(s) 28 ft. Date March 28, 1947. Developed Capacity 4 gal per minute. Duration of Test 1/2 hour. Pumping Rate 8 gal per minute. Type of pump Bailer. Drawdown 60 ft. Capacity of pump 4 gals. Static level of completed well 12 ft. Depth of pump setting. Is well a gravel-wall type? no.

Water Record

Kind (fresh or mineral) fresh. Quality (hard, soft, contains iron, sulphur etc.) soft. Appearance (clear, cloudy, coloured) clear. For what purpose(s) is the water to be used? Garage. Depth(s) to Water Horizon(s) 100 ft. Kind of Water soft. No. of Feet Water Rises 55 ft. How far is well from possible source of contamination? 40 ft. What is source of contamination? septic tank.

Well Log

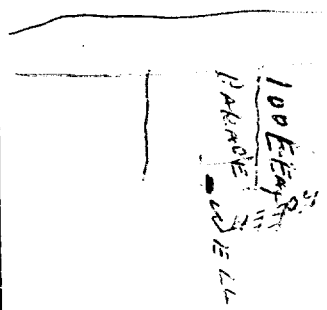
Drift and Bedrock Record

From To 0 ft. ....ft.

Coarse Brown Sand 15 ft. gravel 25. Dark fine sand 25 28. Sand Rock 28 100.

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? upland. Drilling Firm J. H. Adams. Address Gurdwara Bridge Cent. Recorded by J. H. Adams. Address. Date March 28, 1947. Licence Number 9188000.

316/56.

27

15 No 2884

UTM 118Z 447340E

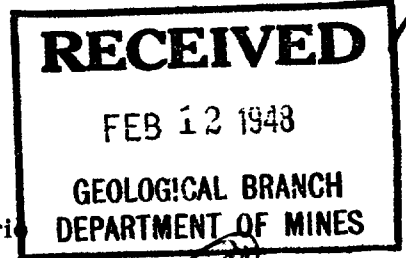
9R 5011590N

Elev. 920320

Basin 25



The Well Drillers Act  
Department of Mines, Province of Ontario



# Water Well Record

Date Completed 30 Oct 1947 Cost of Well (not including pump) \$2.75.00  
Cyrville Ont. Acres 4

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) <u>5 inch</u>	Date <u>31 Oct 1947</u>
Length(s) of casing(s) <u>22 feet</u>	Developed Capacity <u>1000 gal</u>
Length of screen	Duration of Test <u>1 h</u>
Type of screen	Pumping Rate <u>800 gal per h</u>
Type of pump	Drawdown <u>10'</u>
Capacity of pump	Static level of completed well
Depth of pump setting	Is well a gravel-wall type? <u>no</u>

## Water Record

Kind (fresh or mineral) <u>fresh</u>	Depth(s) to Water Horizon(s) <u>78</u>	Kind of Water <u>fresh</u>	No. of Feet Water Rises <u>10 from top</u>
Quality (hard, soft, contains iron, sulphur etc.) <u>soft</u>			
Appearance (clear, cloudy, coloured) <u>clear</u>			
For what purpose(s) is the water to be used?			
How far is well from possible source of contamination? <u>30 feet</u>			
What is source of contamination? <u>septic</u>			
Enclose a copy of any mineral analysis that has been made of water			

## Well Log

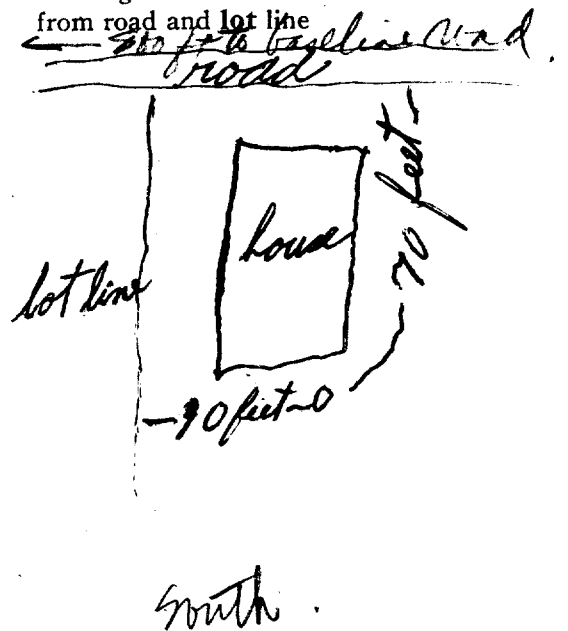
### Drift and Bedrock Record

From	To
0 ft.	.....ft.

<u>dark sandy soil</u>	<u>0</u>	<u>20</u>
<u>dark shale</u>	<u>20</u>	<u>72</u>

## Location of Well

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



Location: Is well on upland, in valley, or on hillside? Upland

Drilling Firm

Completed by W. Brown Address Cyrville Ont

Date Feb 10 1948 Licence Number 115



316/c.l. B

1509612

18-4467510  
47501131410  
0305  
215

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Gloucester  
Con. 1 R. FRONT. Lot 9 22 22 Date completed 15 May 1968.  
Owner P. E. Blais Const. (Radio C.J.R.C.) Job Job Address Manotick, Ont.

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5 1/2"  
Total length of casing 32'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5 1/2"

Static level 3'  
Test-pumping rate 18 G.P.M.  
Pumping level 20'  
Duration of test pumping 2 hrs.  
Water clear or cloudy at end of test clear  
Recommended pumping rate 6 G.P.M.  
with pump setting of 20 feet below ground surface

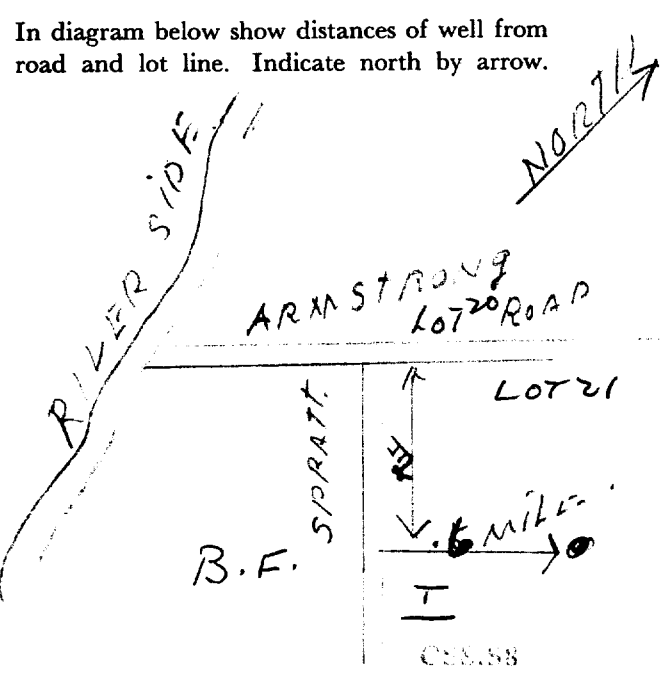
### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>blue clay</u>	<u>0</u>	<u>29</u>	<u>33</u>	<u>fresh</u>
<u>grey hard limestone</u>	<u>29</u>	<u>33</u>		

For what purpose(s) is the water to be used? domestic  
Is well on upland, in valley, or on hillside? valley 1/2  
Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling,  
Address R. R. 1, Box 194, Orleans, Ont.  
Licence Number 3039  
Name of Driller or Borer G. Charbonneau  
Address R. R. 1, Box 194, Orleans, Ont.  
Date 15 May 1968.  
G. Charbonneau  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well





# WATER WELL RECORD

319/56

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

11 1514951-15 15002 02 01

COUNTY OR DISTRICT: **Gloucester** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **1 R P** CON. BLOCK, TRACT, SURVEY, ETC. LOT 25-27: **022**

# 1 Manotick, Ontario DATE COMPLETED 48-53: DA **02** MO **09** YR **75**

RC. ELEVATION: **1514951 18 446184 5012823 4 308 4 26** BASIN CODE: **4 26** JUN 28, 1977 300

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand	boulders	packed	0	8
grey	clay		sticky	8	28
black	limestone		medium hard	28	105
white	sandstone	odd limestone streak	hard	105	140
white	sandstone		hard	140	223



31 000861281379 0028210586 0105815 01401181574 0223118179

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER			
0145	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL
0220	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

WIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
188	1 <input checked="" type="checkbox"/> STEEL	188	0	0030
30	4 <input checked="" type="checkbox"/> OPEN HOLE		30	223
06	1 <input checked="" type="checkbox"/> STEEL			0223

**SCREEN**

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
	34-38	39-40

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: 41-44 FEET

**61 PLUGGING & SEALING RECORD**

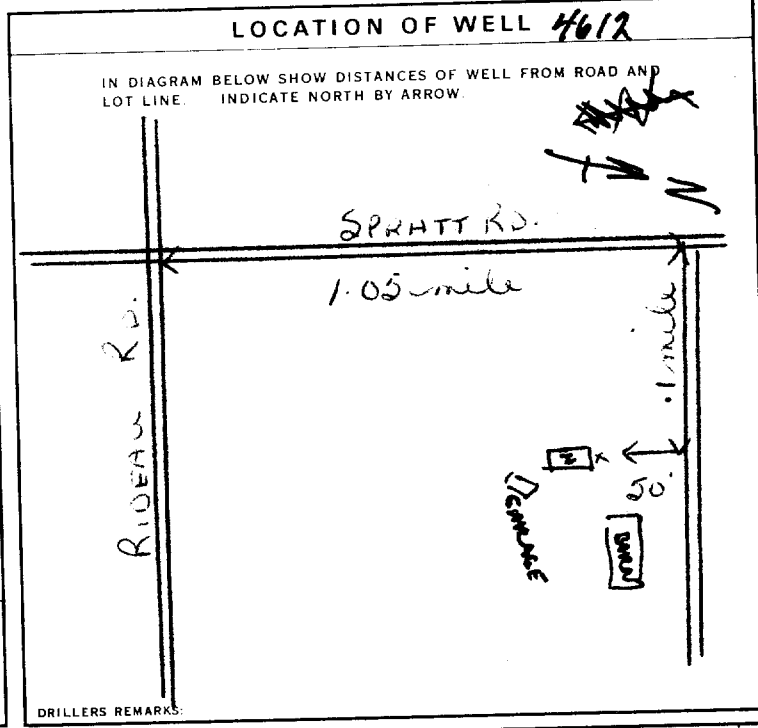
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
1 <input checked="" type="checkbox"/> PUMP	0005	01

STATIC LEVEL FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING PUMPING				
020	100	15 MINUTES: 100	30 MINUTES: 100	45 MINUTES: 100	60 MINUTES: 100	

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP  
RECOMMENDED PUMP SETTING: 125 FEET  
RECOMMENDED PUMPING RATE: 0005 GPM



**FINAL STATUS OF WELL** 1  WATER SUPPLY

**WATER USE** 01 1  DOMESTIC

**METHOD OF DRILLING** 5 1  CABLE TOOL

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **Capital Water Supply Ltd.** LICENCE NUMBER: **1558**

ADDRESS: **Box 490 Stittsville, Ontario**

NAME OF DRILLER OR BORER: **M. Hamilton** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: *[Signature]* COMMISSION DATE: **3** MO **9** YR **75**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **061075**

DATE OF INSPECTION: **10 May 76** INSPECTOR: **Fun P/R. Doyle**

REMARKS: \_\_\_\_\_

P  
WI



Ministry  
of the  
Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

316 5b

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

11

1519366

MUNICIPALITY 15002

CON. BF

COUNTY OR DISTRICT <b>Ottawa-Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Gloucester</b>	CON. BLOCK, TRACT, SURVEY, ETC. Conc. 1 <b>BF</b>	DATE COMPLETED DAY 18 MO 09 YR 84
CITY, TOWN, VILLAGE <b>Rockton, Ontario. KOA 2N0</b>		DATE RECEIVED DAY 18 MO 09 YR 84	
INSIDE DIAM. INCHES <b>011099</b>	ELEVATION <b>0315</b>	BASIN CODE <b>26</b>	

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Sandy Clay	Boulders	Packed	0	12
Gray	Sand		Packed	12	36
Gray	Sand	Gravel	Packed	36	41
Gray	Limestone		Medium	41	82
Gray	Sandstone		Hard	82	200

MOE  
VF-18

31 00126051381 003022877 00412281179 008221578 020021873

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0090'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 14 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0120'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 19 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0160'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 24 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 29 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
06 10-11	1 <input checked="" type="checkbox"/> STEEL 12 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	0 0044
06 17-18	1 <input type="checkbox"/> STEEL 19 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		44 0200
24-25	1 <input type="checkbox"/> STEEL 26 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

SCREEN

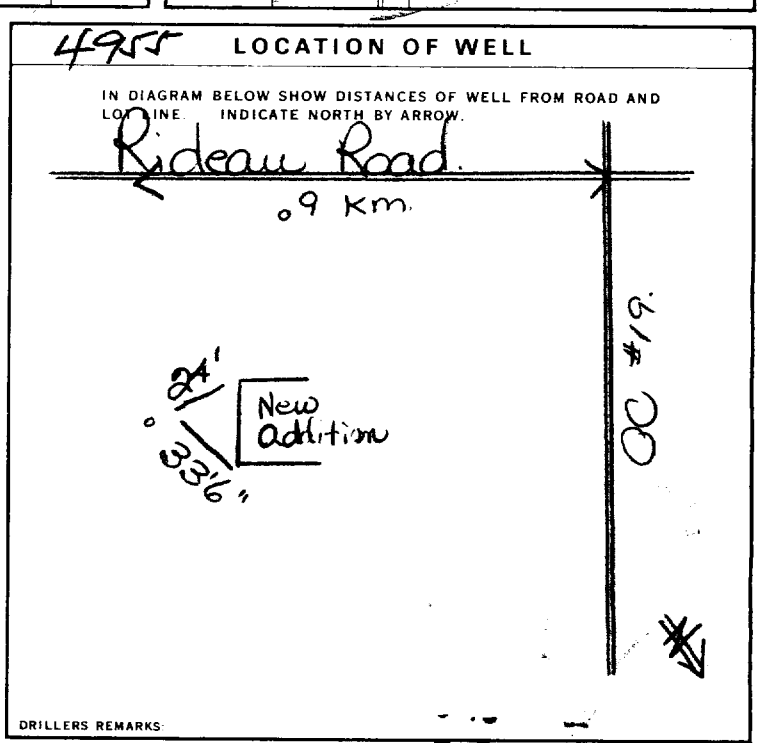
SIZE (S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 00 15 GPM	DURATION OF PUMPING 01 15-16 HOURS 00 17-18 MINS
STATIC LEVEL 020 FEET	WATER LEVEL END OF PUMPING 175 FEET	WATER LEVELS DURING PUMPING 15 MINUTES 175 FEET 30 MINUTES 175 FEET 45 MINUTES 175 FEET 60 MINUTES 175 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 185 FEET	RECOMMENDED PUMPING RATE 000 5 GPM



54 FINAL STATUS OF WELL 1

55-56 WATER USE 01

57 METHOD OF DRILLING 5

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558

ADDRESS: Box 490; Stittsville, Ont. KOA 3G0

NAME OF DRILLER OR BORER: W. Kavanagh LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: W. Kavanagh SUBMISSION DATE: DAY 19 MO 09 YR 84

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 1558 DATE RECEIVED: 03 12 84

DATE OF INSPECTION: INSPECTOR:

REMARKS:



# WATER WELL RECORD

1519366

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

11

MUNICIPALITY: \_\_\_\_\_ CON. \_\_\_\_\_

COUNTY OR DISTRICT: **Gloucester** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Gloucester** CON. BLOCK, TRACT, SURVEY, ETC: **Conc. 1** LOT: **25**  
 ADDRESS: **Stittsville, Ontario. KOA 2N0** DATE COMPLETED: DAY **18** MO **09** YR **84**

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Sandy Clay	Boulders	Packed	0	12
Gray	Sand		Packed	12	36
Gray	Sand	Gravel	Packed	36	41
Gray	Limestone		Medium	41	82
Gray	Sandstone		Hard	82	200

### 51 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
90'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
120'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
160'	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	.188	0	44
5 7/8	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		44	200
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

### SCREEN RECORD

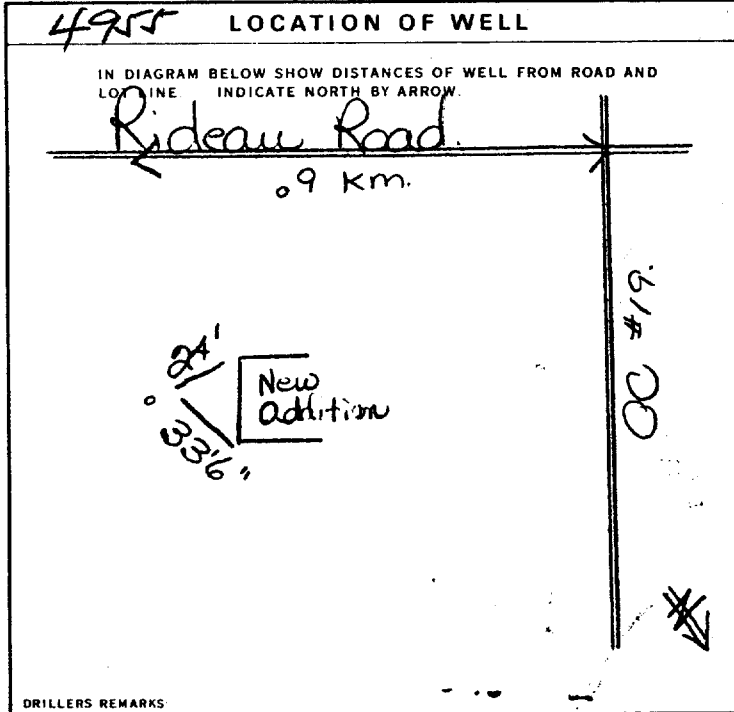
SIZE (SI) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
		FEET

### 61 PLUGGING & SEALING RECORD

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

### PUMPING TEST METHOD

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	15 GPM	1 15-16 HOURS 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
20 FEET	175 FEET	15 MINUTES 20-28: 175 FEET 30 MINUTES 29-31: 175 FEET 45 MINUTES 32-34: 175 FEET 60 MINUTES 35-37: 175 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	FEET
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	185 FEET	5 GPM



### FINAL STATUS OF WELL

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

### WATER USE

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

### METHOD OF DRILLING

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

NAME OF WELL CONTRACTOR <b>Capital Water Supply Ltd.</b>	LICENCE NUMBER <b>1558</b>
ADDRESS <b>Box 490; Stittsville, Ont. KOA 3G0</b>	
NAME OF DRILLER OR BORER <b>W. Kavanagh</b>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>W. Kavanagh</i>	SUBMISSION DATE DAY <b>19</b> MO <b>09</b> YR <b>84</b>

### OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED <b>09 12 84</b>
DATE OF INSPECTION	INSPECTOR	
REMARKS		

1520426

1. PRINT ONLY IN SPACES PROVIDED

CHECK  CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT: Rideau Front TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Manotick Ont CON. BLOCK, TRACT, SURVEY, ETC: 1 LOT: 22

DATE COMPLETED: DAY 11 MO 11 YR 85

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	claystones			0	36
grey	limestone			36	115

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13 <u>110</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			13-16
17-18 <u>6 1/4</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>1 1/8</u>	<u>0</u>	<u>41</u>
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

**SCREEN**

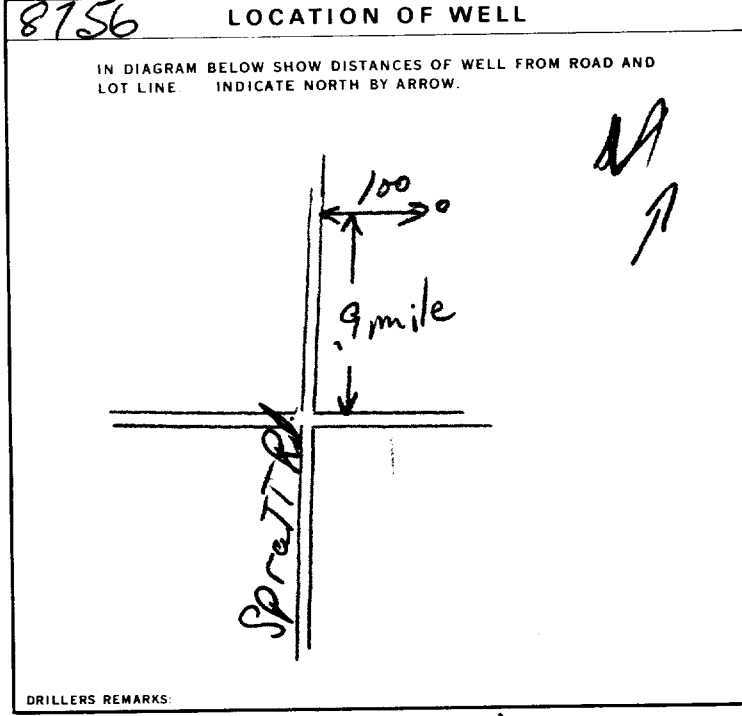
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
31-33	34-38	39-40
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN 41-44 FEET

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE <u>5</u> GPM	DURATION OF PUMPING 15-16 HOURS <u>30</u> 17-18 MINS
STATIC LEVEL 19-21 <u>50</u> FEET	WATER LEVEL END OF PUMPING 22-24 <u>90</u> FEET	WATER LEVELS DURING 15 MINUTES 26-28 <u>90</u> FEET 30 MINUTES 29-31 <u>90</u> FEET 45 MINUTES 32-34 FEET 60 MINUTES 35-37 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 58-61 GPM	WATER AT END OF TEST 42 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 43-45 <u>100</u> FEET	RECOMMENDED PUMPING RATE 46-49 <u>5</u> GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Air-Rock Drilling Co Ltd LICENCE NUMBER: 1119

ADDRESS: RR # 2 Jasper, Ont

NAME OF DRILLER OR BORER: Wallace Desaulniers LICENCE NUMBER: 1119

SIGNATURE OF CONTRACTOR: Wallace Desaulniers SUBMISSION DATE: MAY 10 MO. 2 YR. 88

**OFFICE USE ONLY**

DATA SOURCE: 58 CONTRACTOR: 59-62 RECEIVED: **200286** 63-68 80

DATE OF INSPECTION: INSPECTOR:

REMARKS:



Ministry of the Environment Ontario

# The Ontario Water Resources Act WATER WELL RECORD

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

11 1521467

MUNICIPALITY: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_

COUNTY OR DISTRICT: **Ottawa Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Gloucester** CON. BLOCK, TRACT, SURVEY, ETC.: **1 R F** LOT 25-27: **22**  
 DATE COMPLETED: DAY **16** MO **6** YR **87**  
 ADDRESS: **Forehead Drive, Fitzroy Ont. KOA 1X0**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	SandyClay			0	6
Gray	SandyClay	Boulders		6	23
Gray	Sandstone		Hard	23	50

31 \_\_\_\_\_ 32 \_\_\_\_\_

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
40	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 14 2 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-13	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 19 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 24 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 29 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	1 <input checked="" type="checkbox"/> STEEL 12 2 <input type="checkbox"/> GALVANIZED 1 <input type="checkbox"/> CONCRETE	.188	0	25
6	4 <input checked="" type="checkbox"/> OPEN HOLE 1 <input type="checkbox"/> STEEL 19 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		25	50
	1 <input type="checkbox"/> STEEL 26 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

**SCREEN**

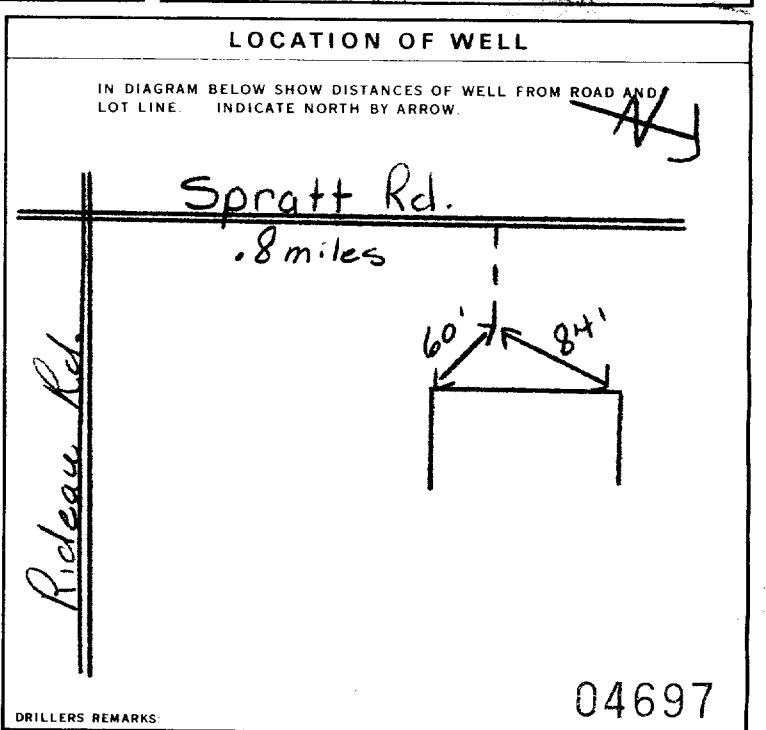
SIZE(S) OF OPENING (SLOT NO.)	31-33	DIAMETER INCHES	34-38	LENGTH FEET	39-40
MATERIAL AND TYPE				DEPTH TO TOP OF SCREEN FEET	41-44

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD: 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE: 10 GPM	DURATION OF PUMPING: 1 HOURS
STATIC LEVEL: 19-21	WATER LEVEL END OF PUMPING: 22-24	WATER LEVELS DURING:
2 FEET	15 FEET	15 FEET 15 FEET 15 FEET 15 FEET
IF FLOWING, GIVE RATE:	PUMP INTAKE SET AT: 38-41	WATER AT END OF TEST: 42
RECOMMENDED PUMP TYPE: <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: 30 FEET	RECOMMENDED PUMPING RATE: 5 GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF DRILLING**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. LICENCE NUMBER: 1558  
 ADDRESS: Box 490, Stittsville, Ont KOA 3G0  
 NAME OF DRILLER OR BORER: S. Miller  
 SIGNATURE OF CONTRACTOR: *S. Miller*  
 SUBMISSION DATE: DAY 17 MO 6 YR 87

**OFFICE USE ONLY**

DATE RECEIVED: JUL 09 1987  
 INSPECTOR: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

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

11

1522581

MUNICIPALITY 15,002

CON. 10 14 15 22 23 24

COUNTY OR DISTRICT: Gloucester  
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Gloucester  
CON. BLOCK TRACT. SURVEY ETC: 1  
LOT: 25  
DATE COMPLETED: 18 08 88  
Address: Bank Street, Suit 205 Ottawa, Ontario K1H 8N4

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay			0	10
Gray	Clay			10	25
Gray	Hardpan	Boulders		25	45
Gray	Sand	Gravel		45	54
Gray	Limestone			54	75
Gray	Sandstone			75	175

31  
32

**41 WATER RECORD**

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

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	STEEL GALVANIZED CONCRETE OPEN HOLE PLASTIC	.188	0	63
6 1/8	STEEL GALVANIZED CONCRETE OPEN HOLE PLASTIC		63	175

**SCREEN**

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

**61 PLUGGING & SEALING RECORD**

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

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	3 GPM	6 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
15 FEET	117 FEET	117 FEET	117 FEET	117 FEET	117 FEET

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	150 FEET	3 GPM

**LOCATION OF WELL**

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

38267

**FINAL STATUS OF WELL**

<input checked="" type="checkbox"/> WATER SUPPLY	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
<input checked="" type="checkbox"/> OBSERVATION WELL	<input type="checkbox"/> ABANDONED POOR QUALITY
<input type="checkbox"/> TEST HOLE	<input type="checkbox"/> UNFINISHED
<input type="checkbox"/> RECHARGE WELL	<input type="checkbox"/> DEWATERING

**WATER USE**

<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> COMMERCIAL
<input checked="" type="checkbox"/> STOCK	<input type="checkbox"/> MUNICIPAL
<input type="checkbox"/> IRRIGATION	<input type="checkbox"/> PUBLIC SUPPLY
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	<input type="checkbox"/> NOT USED

**METHOD OF CONSTRUCTION**

<input checked="" type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> BORING
<input type="checkbox"/> CABLE TOOL	<input type="checkbox"/> DIAMOND
<input type="checkbox"/> ROTARY (CONVENTIONAL)	<input type="checkbox"/> JETTING
<input type="checkbox"/> ROTARY (REVERSE)	<input type="checkbox"/> DRIVING
<input type="checkbox"/> ROTARY (AIR)	<input type="checkbox"/> DIGGING
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd.  
WELL CONTRACTOR'S LICENCE NUMBER: 1558  
ADDRESS: Box 490 Stittsville, Ontario K0A 3G0  
NAME OF WELL TECHNICIAN: S. Miller  
WELL TECHNICIAN'S LICENCE NUMBER: T0097  
SIGNATURE OF TECHNICIAN/CONTRACTOR: [Signature]  
SUBMISSION DATE: 18 08 88

**OFFICE USE ONLY**

DATA SOURCE: 1558  
DATE RECEIVED: SEP 27 1988  
DATE OF INSPECTION: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
REMARKS: \_\_\_\_\_

# WATER WELL RECORD

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

11

1522584

MUNICIPALITY 15002

COM. 10 14 15 22 23 24

COUNTY OR DISTRICT: Ottawa-Carleton  
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Gloucester  
CON. BLOCK TRACT SURVEY ETC: Conc. 1  
LOT 25-27: 25  
DATE COMPLETED: 19 07 88  
ADDRESS: Bank Street, Ste. 205; Ottawa, Ont. K1H 8N4

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay		Packed	0	15
Gray	Sand, Gravel & Boulders			15	60
Gray	Gravel	Broken Rock		60	70

31  
32

#### 41 WATER RECORD

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

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC	.188	0	68
6	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		68	70
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC			

#### SCREEN

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

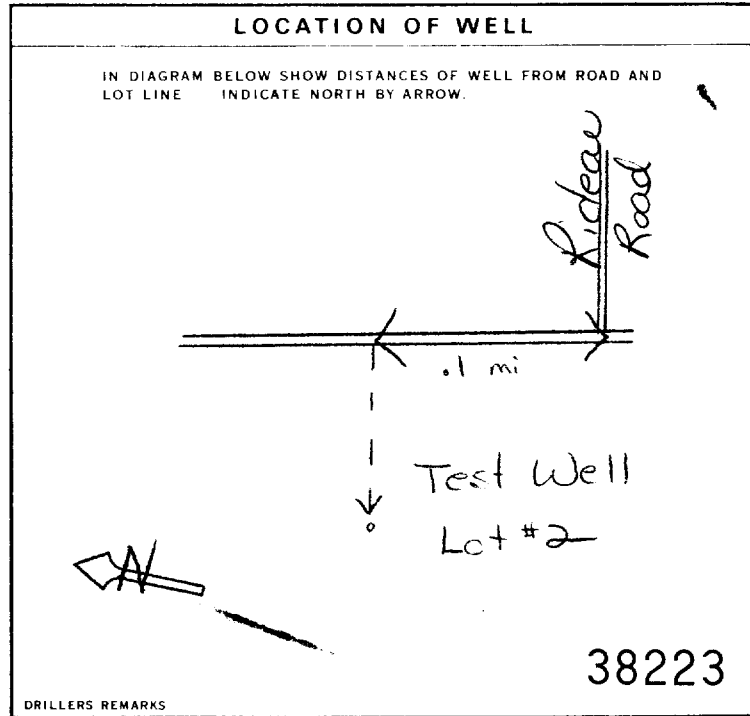
MATERIAL AND TYPE:  STEEL  
DEPTH TO TOP OF SCREEN: 41-44 FEET

#### 61 PLUGGING & SEALING RECORD

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

#### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input checked="" type="checkbox"/> PUMP <input type="checkbox"/> BAILER	30 GPM	1 HOURS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
10 FEET	30 FEET	15 MINUTES: 30 FEET 30 MINUTES: 30 FEET 45 MINUTES: 30 FEET 60 MINUTES: 30 FEET
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	30 GPM	1 CLEAR 2 CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	40 FEET	5 GPM



#### FINAL STATUS OF WELL

<input checked="" type="checkbox"/> WATER SUPPLY	<input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY
<input type="checkbox"/> OBSERVATION WELL	<input type="checkbox"/> ABANDONED POOR QUALITY
<input type="checkbox"/> TEST HOLE	<input type="checkbox"/> UNFINISHED
<input type="checkbox"/> RECHARGE WELL	<input type="checkbox"/> DEWATERING

#### WATER USE

<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> STOCK	<input type="checkbox"/> MUNICIPAL
<input type="checkbox"/> IRRIGATION	<input type="checkbox"/> PUBLIC SUPPLY
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	<input type="checkbox"/> NOT USED

#### METHOD OF CONSTRUCTION

<input type="checkbox"/> CABLE TOOL	<input type="checkbox"/> BORING
<input type="checkbox"/> ROTARY (CONVENTIONAL)	<input type="checkbox"/> DIAMOND
<input type="checkbox"/> ROTARY (REVERSE)	<input type="checkbox"/> JETTING
<input type="checkbox"/> ROTARY (AIR)	<input type="checkbox"/> DRIVING
<input checked="" type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> DIGGING
	<input type="checkbox"/> OTHER

#### CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd.  
WELL CONTRACTOR'S LICENCE NUMBER: 1558  
ADDRESS: Box 490; Stittsville, Ontario. KOA 3G0  
NAME OF WELL TECHNICIAN: S. Miller  
WELL TECHNICIAN'S LICENCE NUMBER:  
SIGNATURE OF TECHNICIAN/CONTRACTOR: [Signature]  
SUBMISSION DATE: 19 07 88

#### OFFICE USE ONLY

DATA SOURCE: 1558  
CONTRACTOR: 1558  
DATE RECEIVED: SEP 01 1988  
DATE OF INSPECTION:  
INSPECTOR:  
REMARKS:



# The Ontario Water Resources Act WATER WELL RECORD

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

11

1522707

MUNICIP 15002

CON. 15 22 23 24

COUNTY OR DISTRICT <i>Carleton Place</i>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <i>Gloucester</i>	CON. BLOCK, TRACT, SURVEY, ETC. <i>Con 1, Rideau Rd.</i>	LOT <i>N 1/2 26</i>
ADDRESS <i>#1, Rideau Rd. Moncton KOA INC</i>		DATE COMPLETED DAY <i>17</i> MO <i>6</i> YR <i>88</i>	
ING	RC	ELEVATION	RC
BASIN CODE	I	III	IV

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>grey</i>	<i>hardpan</i>	<i>stones</i>		<i>0</i>	<i>41</i>
<i>grey</i>	<i>limestone</i>			<i>41</i>	<i>100</i>
<i>white</i>	<i>sandstone</i>			<i>100</i>	<i>124</i>

31

32

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER					
10-13 <i>119</i>	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11 <i>6 1/2</i>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	<i>188</i>	<i>0</i>	<i>44</i>
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC			
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC			

#### SCREEN

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

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13 FROM TO	<i>14-17 cement grout</i>
18-21 FROM TO	<i>22-25</i>
28-29 FROM TO	<i>30-33</i>

#### 71 PUMPING TEST

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE <i>5</i> GPM	DURATION OF PUMPING 15-18 HOURS <i>0</i> 17-18 MINS
STATIC LEVEL 19-21 <i>90</i> FEET	WATER LEVEL END OF PUMPING 22-24 <i>90</i> FEET	WATER LEVELS DURING 15 MINUTES 28-28 <i>90</i> FEET 30 MINUTES 29-31 <i>90</i> FEET 45 MINUTES 32-34 <i>90</i> FEET 60 MINUTES 33-37 <i>90</i> FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT GPM	WATER AT END OF TEST 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <i>40</i> FEET	RECOMMENDED PUMPING RATE <i>5</i> GPM

#### LOCATION OF WELL

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

DRILLERS REMARKS  
*18406*

#### FINAL STATUS OF WELL

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

#### WATER USE

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

#### METHOD OF CONSTRUCTION

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

NAME OF WELL CONTRACTOR <i>Ed Mains Well Drilling</i>	WELL CONTRACTOR'S LICENCE NUMBER <i>36441</i>
ADDRESS <i>Box 326, Richmond Ont</i>	
NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE DAY <i>18</i> MO <i>6</i> YR <i>88</i>

DATA SOURCE	CONTRACTOR <i>3644</i>	DATE RECEIVED <i>OCT 26 1988</i>
DATE OF INSPECTION	INSPECTOR	
REMARKS		



Ministry  
of the  
Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

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

11

1523059

MUNICIPALITY 15002

CON.

COUNTY OR DISTRICT <b>Ottawa Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Gloucester</b>	CON. BLOCK, TRACT, SURVEY ETC <b>1</b>	LOT <b>22</b>
OWNER (SURNAME FIRST) <b>Douglas MacDonald Corporation</b>	ADDRESS <b>210 Colonnade Rd. Nepean, Ontario K2E 7L5</b>	DATE COMPLETED DAY <b>21</b> MO <b>11</b> YR <b>88</b>	

21	ZONE	EASTING	NORTHING	RC	ELEVATION	RC	BASIN CODE	II	III	IV
----	------	---------	----------	----	-----------	----	------------	----	-----	----

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay		Packed	0	16
Gray	Clay		Sticky	16	45
Gray	Sand		Packed	45	62
Gray	Limestone			62	190
Gray, White	Sandstone			190	250

31										
32										

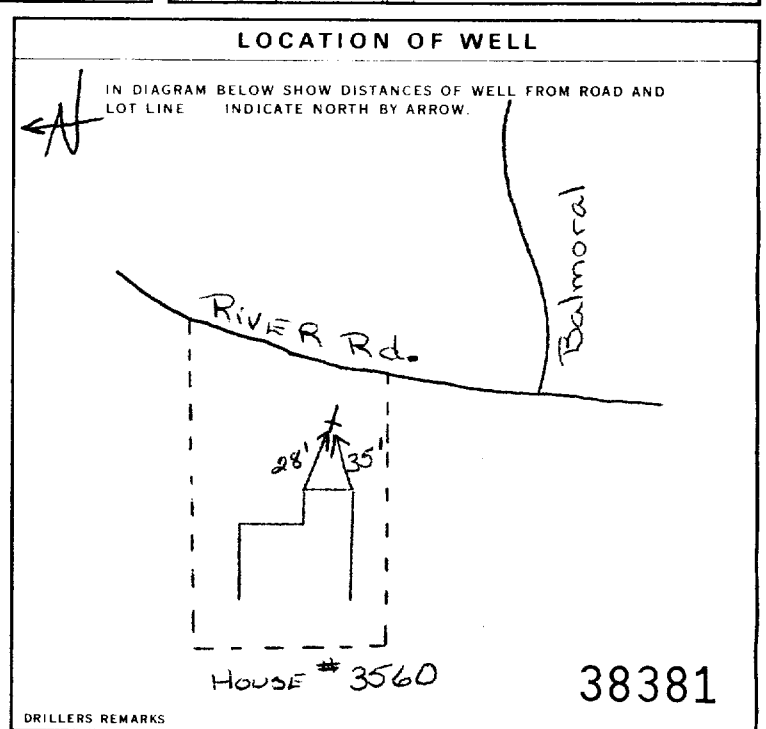
41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
10-13 <b>245</b>	1 <input checked="" type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
15-18	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
20-23	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
25-28	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
30-33	1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS

51 CASING & OPEN HOLE RECORD			
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11 <b>6 1/4</b>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	<b>.188</b>	FROM TO 0 65
17-18 <b>6 1/16</b>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		65 250
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		27-30

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

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

71 PUMPING TEST	
PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE <b>10</b> GPM
15-16 <b>1</b> HOURS	17-18 <b>1</b> MINS
STATIC LEVEL 19-21 <b>30</b> FEET	WATER LEVEL END OF PUMPING 22-24 <b>60</b> FEET
WATER LEVELS DURING	
15 MINUTES 20-20 <b>60</b> FEET	30 MINUTES 21-31 <b>60</b> FEET
45 MINUTES 32-34 <b>60</b> FEET	60 MINUTES 35-37 <b>60</b> FEET
IF FLOWING, GIVE RATE 28-31 <b>60</b> GPM	PUMP INTAKE SET AT 43-45 <b>100</b> FEET
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <b>100</b> FEET
WATER AT END OF TEST 42 <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY	RECOMMENDED PUMPING RATE 46-49 <b>5</b> GPM



86 FINAL STATUS OF WELL	1 <input type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL	8 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY 9 <input type="checkbox"/> ABANDONED, POOR QUALITY 7 <input type="checkbox"/> UNFINISHED 9 <input type="checkbox"/> DEWATERING
55-56 WATER USE	1 <input type="checkbox"/> DOMESTIC 2 <input checked="" type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	5 <input type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING 9 <input type="checkbox"/> NOT USED
57 METHOD OF CONSTRUCTION	1 <input type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input type="checkbox"/> ROTARY (AIR) 5 <input checked="" type="checkbox"/> AIR PERCUSSION	6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING <input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER

CONTRACTOR	NAME OF WELL CONTRACTOR <b>Capital Water Supply Ltd.</b>	WELL CONTRACTOR'S LICENCE NUMBER <b>1558</b>
	ADDRESS <b>Box 490 Stittsville, Ontario KOA 3G0</b>	
	NAME OF WELL TECHNICIAN <b>S. Miller</b>	WELL TECHNICIAN'S LICENCE NUMBER <b>T0097</b>
	SIGNATURE OF TECHNICIAN/CONTRACTOR <i>[Signature]</i>	SUBMISSION DATE DAY <b>21</b> MO <b>11</b> YR <b>88</b>

OFFICE USE ONLY	DATA SOURCE <b>1558</b>	CONTRACTOR <b>1558</b>	DATE RECEIVED <b>DEC 21 1988</b>
	DATE OF INSPECTION	INSPECTOR	
	REMARKS		



# DATABASE REPORT

**Project Property:** *PE4870 - 4775 Spratt Rd  
4775 Spratt Road  
Manotick ON K4M 0E2*

**Project No:** *29795*

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

**Order No:** *20200330041*

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

**Date Completed:** *April 2, 2020*



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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:** PE4870 - 4775 Spratt Rd  
4775 Spratt Road Manotick ON K4M 0E2

**Project No:** 29795

## **Order Information:**

**Order No:** 20200330041  
**Date Requested:** March 30, 2020  
**Requested by:** Paterson Group Inc.  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

## Executive Summary: Report Summary

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
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	1	1
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	1	1
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 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
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	2	2
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	2	2
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	1	1
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
FED TANKS	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	3	4
<b>Total:</b>			1	10	11

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">3</a>	WWIS		lot 23 con 1 ON  <i>Well ID:</i> 7318052	WSW/0.0	0.00	<a href="#">13</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	AMIS	GOSSELIN S QUARRY	GLOUCESTER ON	WNW/33.3	0.00	<a href="#">13</a>
<a href="#">2</a>	ECA	Urbandale Corporation	4623 and 4721 Spratt Road, 980 Earl Armstrong Road Ottawa ON K1G 2H5	NNW/122.2	-1.04	<a href="#">14</a>
<a href="#">2</a>	ECA	Urbandale Corporation	4623 and 4721 Spratt Road, 980 Earl Armstrong Road Ottawa ON K1G 2H5	NNW/122.2	-1.04	<a href="#">14</a>
<a href="#">4</a>	WWIS		lot 22 con 1 ON <b>Well ID:</b> 1520426	WNW/192.4	-1.00	<a href="#">15</a>
<a href="#">4</a>	WWIS		lot 22 con 1 ON <b>Well ID:</b> 1521467	WNW/192.4	-1.00	<a href="#">17</a>
<a href="#">4</a>	WWIS		lot 22 con 1 ON <b>Well ID:</b> 1523059	WNW/192.4	-1.00	<a href="#">20</a>
<a href="#">5</a>	EASR	CECCE	925 Ralph Hennessy AVE Manotick ON K4M 0E2	N/249.9	-3.00	<a href="#">24</a>
<a href="#">6</a>	EHS		Rideau Rd & Spratt Rd Ottawa ON	NE/143.2	-5.86	<a href="#">24</a>
<a href="#">7</a>	BORE		ON	W/166.2	-2.00	<a href="#">24</a>
<a href="#">8</a>	EASR	Riverside South Development Corp, Urbandale Corporation, Richcraft & Homes Ltd.	ON	NNE/223.5	-6.00	<a href="#">25</a>

# Executive Summary: Summary By Data Source

## **AMIS - Abandoned Mine Information System**

A search of the AMIS database, dated 1800-Oct 2018 has found that there are 1 AMIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
GOSSELIN S QUARRY	GLOUCESTER ON	33.3	<a href="#"><u>1</u></a>

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	166.2	<a href="#"><u>7</u></a>

## **EASR - Environmental Activity and Sector Registry**

A search of the EASR database, dated Oct 2011-Feb 29, 2020 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
CECCE	925 Ralph Hennessy AVE Manotick ON K4M 0E2	249.9	<a href="#"><u>5</u></a>
Riverside South Development Corp, Urbandale Corporation, Richcraft & Homes Ltd.	ON	223.5	<a href="#"><u>8</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Feb 29, 2020 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Urbandale Corporation	4623 and 4721 Spratt Road, 980 Earl Armstrong Road Ottawa ON K1G 2H5	122.2	<a href="#"><u>2</u></a>
Urbandale Corporation	4623 and 4721 Spratt Road, 980 Earl Armstrong Road Ottawa ON K1G 2H5	122.2	<a href="#"><u>2</u></a>

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

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

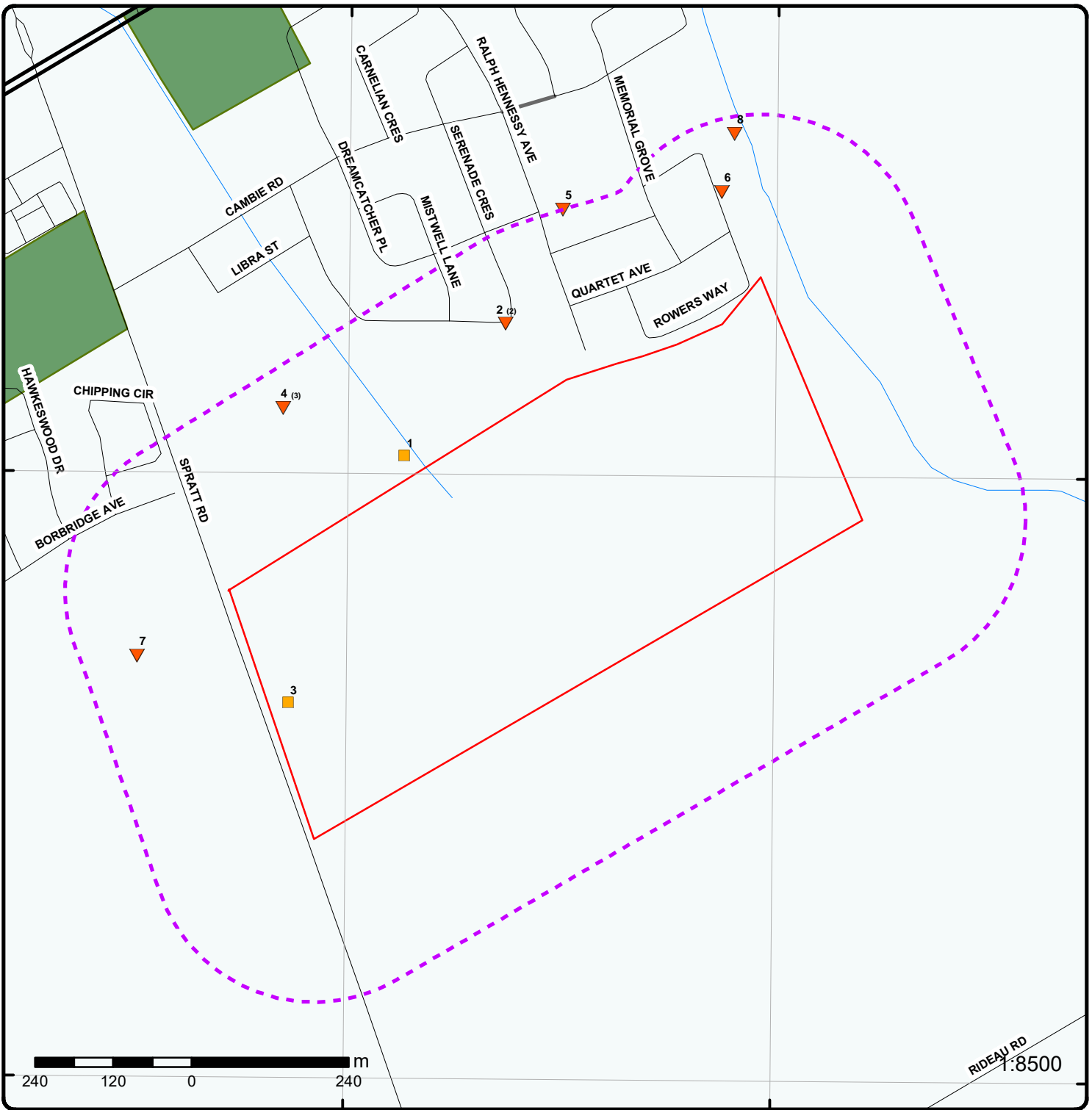
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Rideau Rd & Spratt Rd Ottawa ON	143.2	<a href="#"><u>6</u></a>

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

A search of the WWIS database, dated Feb 28, 2019 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 23 con 1 ON  <i>Well ID:</i> 7318052	0.0	<a href="#"><u>3</u></a>
	lot 22 con 1 ON  <i>Well ID:</i> 1523059	192.4	<a href="#"><u>4</u></a>
	lot 22 con 1 ON  <i>Well ID:</i> 1521467	192.4	<a href="#"><u>4</u></a>
	lot 22 con 1 ON  <i>Well ID:</i> 1520426	192.4	<a href="#"><u>4</u></a>





### Map : 0.25 Kilometer Radius

Order Number: 20200330041  
Address: 4775 Spratt Road, Manotick, 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: 2019

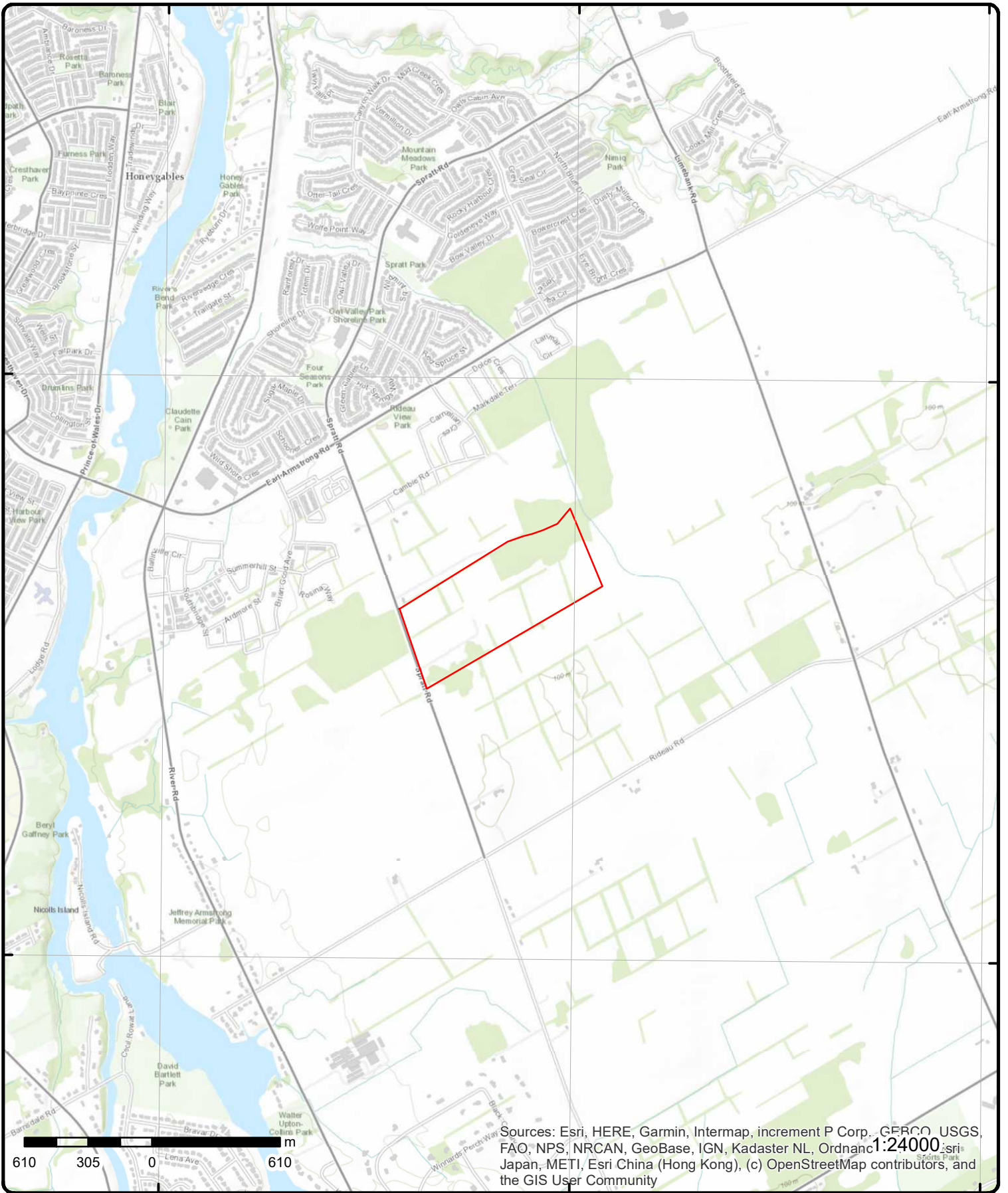
**Address: 4775 Spratt Road, Manotick, ON**

Source: ESRI World Imagery

Order Number: 20200330041



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# Topographic Map

Address: 4775 Spratt Road, ON

Source: ESRI World Topographic Map

Order Number: 20200330041



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>3</u></p> <p><b>Well ID:</b> 7318052</p> <p><b>Construction Date:</b></p> <p><b>Primary Water Use:</b></p> <p><b>Sec. Water Use:</b></p> <p><b>Final Well Status:</b></p> <p><b>Water Type:</b></p> <p><b>Casing Material:</b></p> <p><b>Audit No:</b> Z276894</p> <p><b>Tag:</b> A252836</p> <p><b>Construction Method:</b></p> <p><b>Elevation (m):</b></p> <p><b>Elevation Reliability:</b></p> <p><b>Depth to Bedrock:</b></p> <p><b>Well Depth:</b></p> <p><b>Overburden/Bedrock:</b></p> <p><b>Pump Rate:</b></p> <p><b>Static Water Level:</b></p> <p><b>Flowing (Y/N):</b></p> <p><b>Flow Rate:</b></p> <p><b>Clear/Cloudy:</b></p>	<p>1 of 1</p>	<p>WSW/0.0</p>	<p>97.9 / 0.00</p>	<p>lot 23 con 1 ON</p> <p><b>Data Entry Status:</b> Yes</p> <p><b>Data Src:</b></p> <p><b>Date Received:</b> 9/10/2018</p> <p><b>Selected Flag:</b> Yes</p> <p><b>Abandonment Rec:</b></p> <p><b>Contractor:</b> 1119</p> <p><b>Form Version:</b> 7</p> <p><b>Owner:</b></p> <p><b>Street Name:</b></p> <p><b>County:</b> OTTAWA-CARLETON</p> <p><b>Municipality:</b> GLOUCESTER TOWNSHIP</p> <p><b>Site Info:</b></p> <p><b>Lot:</b> 023</p> <p><b>Concession:</b> 01</p> <p><b>Concession Name:</b> RF</p> <p><b>Easting NAD83:</b></p> <p><b>Northing NAD83:</b></p> <p><b>Zone:</b></p> <p><b>UTM Reliability:</b></p>	<p>WWIS</p>
<b><u>Bore Hole Information</u></b>					
<p><b>Bore Hole ID:</b> 1007285449</p> <p><b>DP2BR:</b></p> <p><b>Spatial Status:</b></p> <p><b>Code OB:</b></p> <p><b>Code OB Desc:</b></p> <p><b>Open Hole:</b></p> <p><b>Cluster Kind:</b></p> <p><b>Date Completed:</b> 8/13/2018</p> <p><b>Remarks:</b></p> <p><b>Elevrc Desc:</b></p> <p><b>Location Source Date:</b></p> <p><b>Improvement Location Source:</b></p> <p><b>Improvement Location Method:</b></p> <p><b>Source Revision Comment:</b></p> <p><b>Supplier Comment:</b></p>				<p><b>Elevation:</b></p> <p><b>Elevrc:</b></p> <p><b>Zone:</b> 18</p> <p><b>East83:</b> 446302</p> <p><b>North83:</b> 5012451</p> <p><b>Org CS:</b> UTM83</p> <p><b>UTMRC:</b> 4</p> <p><b>UTMRC Desc:</b> margin of error : 30 m - 100 m</p> <p><b>Location Method:</b> wwr</p>	
<p><u>1</u></p> <p><b>Site Access Code:</b></p> <p><b>AMIS Distr Code:</b></p> <p><b>Abandoned Mine ID:</b> 07673</p> <p><b>Old MDI ID:</b> NOT AVAILABLE</p> <p><b>New MDI ID:</b></p> <p><b>Official Nm:</b> GOSSELIN S QUARRY</p> <p><b>Mine Status:</b> ABANDONED</p>	<p>1 of 1</p>	<p>WNW/33.3</p>	<p>97.9 / 0.00</p>	<p>GOSSELIN S QUARRY</p> <p>GLOUCESTER ON</p> <p><b>Start Year:</b></p> <p><b>End Year:</b></p> <p><b>Prog Rehab Plan:</b> NO</p> <p><b>Evid of Site Contam:</b></p> <p><b>Evid of Sulphide:</b></p> <p><b>Evid Animals Pres:</b></p> <p><b>Revegetation:</b></p>	<p>AMIS</p>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Mine Plan/Section:</b>	UNDETERMINED			<b>Veg Condition:</b>	
<b>Site Class:</b>	C			<b>Veg Descr:</b>	
<b>Clos Reason Code:</b>				<b>Chemical Doc:</b>	
<b>Closure Plan:</b>	UNDETERMINED			<b>Jurisdiction:</b>	MINING ACT
<b>Prim Commod Code:</b>				<b>Lot No:</b>	22
<b>Prim Commod:</b>	UNDETRMINED			<b>Concession:</b>	1 FROM RIDEAU RIVER
<b>Operat Access:</b>	N/A			<b>Zone:</b>	18
<b>Date Entered:</b>	25-JUN-2018			<b>Northing:</b>	5012829
<b>Date Last Modified:</b>	25-JUN-2018			<b>Easting:</b>	446480
<b>Effective Date:</b>				<b>Clos Reason:</b>	UNDETRMINED
<b>Hyper Link:</b>	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/AMIS/data/records/07673.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/AMIS/data/records/07673.html</a>				
<b>AMIS District:</b>	TWEED				
<b>District Desc:</b>	TWEED				
<b>Animal Desc:</b>					
<b>Status Type Code:</b>					
<b>Mine Features Desc:</b>	QUARRY				
<b>AMIS Bkgrd Info:</b>	5 M EXPOSED IN 2 ACRE QUARRY. COMMODITY: STONE				
<b>Alias Name:</b>	THE QUARRIES; GOSELIN				

### AMIS Features

<b>AMIS Feature ID:</b>	93850			<b>Feature Length:</b>	
<b>Effective Date:</b>				<b>Eval Performed Ind:</b>	
<b>Date Last Modified:</b>	25-JUN-2018			<b>Soil Erosion Flag:</b>	
<b>Dt Entered in AMIS:</b>	25-JUN-2018			<b>Txt Feature ID:</b>	
<b>Mine Feat Class Desc:</b>	FEATURE TO SURFACE			<b>UTM Zone:</b>	18
<b>Feature Type Code:</b>				<b>UTM Northing:</b>	5012829
<b>Mine Feat Type Desc:</b>	QUARRY			<b>UTM Easting:</b>	446480
<b>Hazard Status Desc:</b>	ACTIVE			<b>Lat DD Features:</b>	45.26692
<b>Depth or Height:</b>	5			<b>Long DD Features:</b>	-75.68223
<b>Feature Width:</b>					
<b>Mine Feature Condition Desc:</b>	UNKNOWN WIDTH AND LENGTH DIMENSIONSQUARRY IS 2 ACRES				

[2](#) 1 of 2 **NNW/122.2** **96.8 / -1.04** **Urbandale Corporation**  
**4623 and 4721 Spratt Road, 980 Earl Armstrong**  
**Road** **ECA**  
**Ottawa ON K1G 2H5**

<b>Approval No:</b>	4644-AQBJRW	<b>MOE District:</b>	
<b>Approval Date:</b>	2017-08-22	<b>City:</b>	
<b>Status:</b>	Approved	<b>Longitude:</b>	
<b>Record Type:</b>	ECA	<b>Latitude:</b>	
<b>Link Source:</b>	IDS	<b>Geometry X:</b>	
<b>SWP Area Name:</b>		<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS		
<b>Address:</b>	4623 and 4721 Spratt Road, 980 Earl Armstrong Road		
<b>Full Address:</b>			
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/1505-APTQBG-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/1505-APTQBG-14.pdf</a>		

[2](#) 2 of 2 **NNW/122.2** **96.8 / -1.04** **Urbandale Corporation**  
**4623 and 4721 Spratt Road, 980 Earl Armstrong**  
**Road** **ECA**  
**Ottawa ON K1G 2H5**

<b>Approval No:</b>	9695-APNR4V	<b>MOE District:</b>	
<b>Approval Date:</b>	2017-08-08	<b>City:</b>	
<b>Status:</b>	Approved	<b>Longitude:</b>	
<b>Record Type:</b>	ECA	<b>Latitude:</b>	
<b>Link Source:</b>	IDS	<b>Geometry X:</b>	
<b>SWP Area Name:</b>		<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Project Type:</b>		MUNICIPAL AND PRIVATE SEWAGE WORKS			
<b>Address:</b>		4623 and 4721 Spratt Road, 980 Earl Armstrong Road			
<b>Full Address:</b>					
<b>Full PDF Link:</b>		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2027-APKL5T-13.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2027-APKL5T-13.pdf</a>			

<u>4</u>	1 of 3	WNW/192.4	96.9 / -1.00	lot 22 con 1 ON	WWIS
<b>Well ID:</b>	1520426			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	2/20/1986
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1119
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	GLOUCESTER TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	022
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	RF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	10042269	<b>Elevation:</b>	93.193618
<b>DP2BR:</b>	36	<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved	<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	446295
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5012901
<b>Open Hole:</b>		<b>Org CS:</b>	N83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	8
<b>Date Completed:</b>	11/11/1985	<b>UTMRC Desc:</b>	margin of error : 3 km - 10 km
<b>Remarks:</b>		<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>	July 2001		
<b>Improvement Location Source:</b>	PWPF-SDG/PWPF-PRU Eastern Ontario 2000 GWS\E.Ontario GW Study - DigitalFiles\E.O.W.R.M.S\Water Well Record Database\arc-info coverage.well location.e00		
<b>Improvement Location Method:</b>	GIS10000		
<b>Source Revision Comment:</b>	Coordinate change in shapefile		
<b>Supplier Comment:</b>	no metadata on shp file, but seems ~4000 wells updated out of ~48000, (however nothing in report to describe these changes); diffeast:553735, diffnorth:4987320; original coordinates =9999...		

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	931044727
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	12
<b>Other Materials:</b>	STONES
<b>Mat3:</b>	
<b>Other Materials:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>	0				
<b>Formation End Depth:</b>	36				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>	931044728				
<b>Layer:</b>	2				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	15				
<b>Most Common Material:</b>	LIMESTONE				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	36				
<b>Formation End Depth:</b>	115				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>	2				
<b>Method Construction:</b>	Rotary (Convent.)				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10590839				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930073780				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	41				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	991520426				
<b>Pump Set At:</b>					
<b>Static Level:</b>	50				
<b>Final Level After Pumping:</b>	90				
<b>Recommended Pump Depth:</b>	100				
<b>Pumping Rate:</b>	5				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	5				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	0				
<b>Pumping Duration MIN:</b>	30				
<b>Flowing:</b>	N				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934386783				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	30				
<b>Test Level:</b>	90				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934111919				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	15				
<b>Test Level:</b>	90				
<b>Test Level UOM:</b>	ft				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	933477668				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	110				
<b>Water Found Depth UOM:</b>	ft				

<a href="#">4</a>	2 of 3	WNW/192.4	96.9 / -1.00	lot 22 con 1 ON	WWIS
<b>Well ID:</b>	1521467			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	7/9/1987
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1558
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	04697			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	GLOUCESTER TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	022
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	RF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10043289			<b>Elevation:</b>	93.193618
<b>DP2BR:</b>	23			<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved			<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	446295
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5012901
<b>Open Hole:</b>				<b>Org CS:</b>	N83



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Cluster Kind:</b>				<b>UTMRC:</b>	8
<b>Date Completed:</b>	6/16/1987			<b>UTMRC Desc:</b>	margin of error : 3 km - 10 km
<b>Remarks:</b>				<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>	July 2001				
<b>Improvement Location Source:</b>	PWPF-SDG/PWPF-PRU Eastern Ontario 2000 GWS\E.Ontario GW Study - DigitalFiles\E.O.W.R.M.S\Water Well Record Database\arc-info coverage.well location.e00				
<b>Improvement Location Method:</b>	GIS10000				
<b>Source Revision Comment:</b>	Coordinate change in shapefile				
<b>Supplier Comment:</b>	no metadata on shp file, but seems ~4000 wells updated out of ~48000, (however nothing in report to describe these changes); diffeast:553735, diffnorth:4987320; original coordinates =9999...				

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931048152  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 81  
**Other Materials:** SANDY  
**Mat3:** 13  
**Other Materials:** BOULDERS  
**Formation Top Depth:** 6  
**Formation End Depth:** 23  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931048151  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 81  
**Other Materials:** SANDY  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0  
**Formation End Depth:** 6  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931048153  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:** 73  
**Other Materials:** HARD  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 23  
**Formation End Depth:** 50  
**Formation End Depth UOM:** ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b>	5				
<b>Method Construction:</b>	Air Percussion				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10591859				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930075595				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	25				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930075596				
<b>Layer:</b>	2				
<b>Material:</b>	4				
<b>Open Hole or Material:</b>	OPEN HOLE				
<b>Depth From:</b>					
<b>Depth To:</b>	50				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	991521467				
<b>Pump Set At:</b>					
<b>Static Level:</b>	2				
<b>Final Level After Pumping:</b>	15				
<b>Recommended Pump Depth:</b>	30				
<b>Pumping Rate:</b>	10				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	5				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	N				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934651777				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		15			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934106533			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		15			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934390633			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		15			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934908868			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		15			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933479043			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		40			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">4</a>	3 of 3	WNW/192.4	96.9 / -1.00	lot 22 con 1 ON	WWIS
<b>Well ID:</b>		1523059		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 12/21/1988	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> Yes	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 1558	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>		38381		<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> OTTAWA-CARLETON	
<b>Elevation (m):</b>				<b>Municipality:</b> GLOUCESTER TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 022	
<b>Well Depth:</b>				<b>Concession:</b> 01	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> RF	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10044865			<b>Elevation:</b>	93.193618
<b>DP2BR:</b>	62			<b>Elevrc:</b>	
<b>Spatial Status:</b>	Improved			<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	446295
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5012901
<b>Open Hole:</b>				<b>Org CS:</b>	N83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	8
<b>Date Completed:</b>	11/21/1988			<b>UTMRC Desc:</b>	margin of error : 3 km - 10 km
<b>Remarks:</b>				<b>Location Method:</b>	lot
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>	July 2001				
<b>Improvement Location Source:</b>	PWPF-SDG/PWPF-PRU Eastern Ontario 2000 GWS\E.Ontario GW Study - DigitalFiles\E.O.W.R.M.S\Water Well Record Database\arc-info coverage.well location.e00				
<b>Improvement Location Method:</b>	GIS10000				
<b>Source Revision Comment:</b>	Coordinate change in shapefile				
<b>Supplier Comment:</b>	no metadata on shp file, but seems ~4000 wells updated out of ~48000, (however nothing in report to describe these changes); diffeast:553735, diffnorth:4987320; original coordinates =9999...				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>	931053403				
<b>Layer:</b>	3				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	28				
<b>Most Common Material:</b>	SAND				
<b>Mat2:</b>	79				
<b>Other Materials:</b>	PACKED				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	45				
<b>Formation End Depth:</b>	62				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>	931053402				
<b>Layer:</b>	2				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>	86				
<b>Other Materials:</b>	STICKY				
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	16				
<b>Formation End Depth:</b>	45				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>	931053401				
<b>Layer:</b>	1				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	05				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b> CLAY					
<b>Mat2:</b> 79					
<b>Other Materials:</b> PACKED					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 0					
<b>Formation End Depth:</b> 16					
<b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 931053405					
<b>Layer:</b> 5					
<b>Color:</b> 2					
<b>General Color:</b> GREY					
<b>Mat1:</b> 18					
<b>Most Common Material:</b> SANDSTONE					
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 190					
<b>Formation End Depth:</b> 250					
<b>Formation End Depth UOM:</b> ft					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> 931053404					
<b>Layer:</b> 4					
<b>Color:</b> 2					
<b>General Color:</b> GREY					
<b>Mat1:</b> 15					
<b>Most Common Material:</b> LIMESTONE					
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b> 62					
<b>Formation End Depth:</b> 190					
<b>Formation End Depth UOM:</b> ft					
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>					
<b>Method Construction Code:</b> 5					
<b>Method Construction:</b> Air Percussion					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 10593435					
<b>Casing No:</b> 1					
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> 930078483					
<b>Layer:</b> 1					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material:</b>	1				
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>	65				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930078484				
<b>Layer:</b>	2				
<b>Material:</b>	4				
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>	250				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	991523059				
<b>Pump Set At:</b>					
<b>Static Level:</b>	30				
<b>Final Level After Pumping:</b>	60				
<b>Recommended Pump Depth:</b>	100				
<b>Pumping Rate:</b>	10				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	5				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	N				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934388053				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	30				
<b>Test Level:</b>	60				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934649035				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	45				
<b>Test Level:</b>	60				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934906239				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	60				
<b>Test Level:</b>	60				
<b>Test Level UOM:</b>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934112634				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	15				
<b>Test Level:</b>	60				
<b>Test Level UOM:</b>	ft				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	933481178				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	245				
<b>Water Found Depth UOM:</b>	ft				
<b>5</b>	1 of 1	<b>N/249.9</b>	<b>94.9 / -3.00</b>	<b>CECCE 925 Ralph Hennessy AVE Manotick ON K4M 0E2</b>	<b>EASR</b>
<b>Approval No:</b>	R-009-1110634546			<b>SWP Area Name:</b> Rideau Valley	
<b>Status:</b>	REGISTERED			<b>MOE District:</b> Ottawa	
<b>Date:</b>	2018-10-16			<b>Municipality:</b> Manotick	
<b>Record Type:</b>	EASR			<b>Latitude:</b> 45.27388889	
<b>Link Source:</b>	MOFA			<b>Longitude:</b> -75.68277778	
<b>Project Type:</b>	Water Taking - Construction Dewatering			<b>Geometry X:</b>	
<b>Full Address:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>	EASR-Water Taking - Construction Dewatering				
<b>Full PDF Link:</b>	<a href="http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2098062">http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2098062</a>				
<b>6</b>	1 of 1	<b>NE/143.2</b>	<b>92.0 / -5.86</b>	<b>Rideau Rd &amp; Spratt Rd Ottawa ON</b>	<b>EHS</b>
<b>Order No:</b>	20160829056			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b> ON	
<b>Report Date:</b>	02-SEP-16			<b>Search Radius (km):</b> .25	
<b>Date Received:</b>	29-AUG-16			<b>X:</b> -75.676075	
<b>Previous Site Name:</b>				<b>Y:</b> 45.27058	
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					
<b>7</b>	1 of 1	<b>W/166.2</b>	<b>95.9 / -2.00</b>	<b>ON</b>	<b>BORE</b>
<b>Borehole ID:</b>	612029			<b>Inclin FLG:</b> No	
<b>OGF ID:</b>	215513339			<b>SP Status:</b> Initial Entry	
<b>Status:</b>				<b>Surv Elev:</b> No	
<b>Type:</b>	Borehole			<b>Piezometer:</b> No	
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>				<b>Municipality:</b>	
<b>Static Water Level:</b>	6.4			<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b> 45.264126	
<b>Total Depth m:</b>	-999			<b>Longitude DD:</b> -75.687414	
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b> 18	
<b>Depth Elev:</b>				<b>Easting:</b> 446071	
<b>Drill Method:</b>				<b>Northing:</b> 5012522	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	89.9  93.4			Location Accuracy: Accuracy:	Not Applicable
<b><u>Borehole Geology Stratum</u></b>					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218389858 0 10.7  Till			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218389859 10.7   Gravel Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	GRAVEL,SAND. WATER STABLE AT 274.0 FEET.E AT 258.0 FEET.CLAY,BOULDERS. BEDROCK, LIMESTONE.
<b><u>Source</u></b>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 M			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Source Name: Source Details: Confiden 1:	Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 045370 NTS_Sheet: 31G05B Reliable information but incomplete.				
<b><u>Source List</u></b>					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
<u>8</u>	1 of 1	NNE/223.5	91.9 / -6.00	Riverside South Development Corp, Urbandale Corporation, Richcraft & Homes Ltd.	EASR
Approval No: Status: Date: Record Type:	R-009-1110170558 REGISTERED 2017-06-29 EASR			SWP Area Name: MOE District: Municipality: Latitude:	Rideau Valley Ottawa  45.27138889



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Link Source:</b>	MOFA			<b>Longitude:</b>	-75.67583333
<b>Project Type:</b>	Water Taking - Construction Dewatering			<b>Geometry X:</b>	
<b>Full Address:</b>				<b>Geometry Y:</b>	
<b>Approval Type:</b>	EASR-Water Taking - Construction Dewatering				
<b>Full PDF Link:</b>	<a href="http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2038744">http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2038744</a>				

# Unplottable Summary

Total: **20** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Urbandale Corporation		Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA		Parts of lots 23, 24, and 25, Concession 1	Ottawa ON	
EBR	Riverside South Development Corporation (RSDC)		ON	
ECA	Riverside South Development Corp.		Ottawa ON	K1G 2H5

ECA	Urbandale Corporation	Ottawa ON	K1G 2H5
ECA	Urbandale Corporation	Ottawa ON	K1G 2H5
RSC	Lots 23 & 24, Con 1,	Gloucester ON	

# Unplottable Report

---

**Site:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 8145-7TYK8L  
**Application Year:** 2009  
**Issue Date:** 7/17/2009  
**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:** *Riverside South Development Corp.  
Geographic Township of Gloucester Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 8040-7NVLD3  
**Application Year:** 2009  
**Issue Date:** 2/11/2009  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Riverside South Development Corp.  
Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 7037-6MXLUE  
**Application Year:** 2006  
**Issue Date:** 3/18/2006  
**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:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 6829-6Y7RQX

**Application Year:** 2007  
**Issue Date:** 2/19/2007  
**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:** *Riverside South Development Corp.  
Geographic Township of Gloucester Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 5641-7FHJMY  
**Application Year:** 2008  
**Issue Date:** 6/11/2008  
**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:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 3681-7QWNXY  
**Application Year:** 2009  
**Issue Date:** 4/9/2009  
**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:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2869-6KVTJC  
**Application Year:** 2006  
**Issue Date:** 1/12/2006  
**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:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2169-5WVM7Y  
**Application Year:** 2004  
**Issue Date:** 3/12/2004  
**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:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 1712-6N6RR7  
**Application Year:** 2006  
**Issue Date:** 3/27/2006  
**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:**

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**Site:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 1130-6BLHGE  
**Application Year:** 2005  
**Issue Date:** 4/21/2005  
**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:** *Urbandale Corporation  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 8787-5YQRUU  
**Application Year:** 2004  
**Issue Date:** 5/10/2004  
**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:** *Riverside South Development Corp.  
Geographic Township of Gloucester Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 9979-7PCKHF  
**Application Year:** 2009  
**Issue Date:** 3/18/2009  
**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:** *Riverside South Development Corp.  
Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 7653-8EJM3S  
**Application Year:** 2011  
**Issue Date:** 3/7/2011  
**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:** *Riverside South Development Corp.  
Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 8169-8G5KMV  
**Application Year:** 2011  
**Issue Date:** 5/5/2011  
**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:**

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**Site:** *Parts of lots 23, 24, and 25, Concession 1 Ottawa ON*

**Database:**  
[CA](#)

**Certificate #:** 3338-4QES6W  
**Application Year:** 00

**Issue Date:** 10/25/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Claridge Homes (Rockcliffe Mews) Inc.  
**Client Address:** 2001-210 Gladstone Ave.  
**Client City:** Ottawa  
**Client Postal Code:** K2P 0Y6  
**Project Description:** watermains construction on Merganser Circle, Den Haag Drive, the Easement on block 101, and Streets 3 and 4  
**Contaminants:**  
**Emission Control:**

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**Site:** **Riverside South Development Corporation (RSDC)**  
**ON**

**Database:**  
**EBR**

**EBR Registry No:** 012-7921  
**Ministry Ref No:** MNRF INST 49/16  
**Notice Type:** Instrument Decision  
**Notice Stage:** 848864526  
**Notice Date:** April 13, 2017  
**Proposal Date:** June 14, 2016  
**Year:** 2016  
**Instrument Type:** (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Riverside South Development Corporation (RSDC)  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 2193 Arch Street, Ottawa Ontario, Canada K1G 3H5  
**Comment Period:**  
**URL:**

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

**Site Location Details:**

Part of Lots 21 - 23, Concession 1 (Rideau Front) of the Geographic Township of Gloucester. RSDC Phase 13 includes approximately 49 hectares located east of Spratt Road and south of Earl Armstrong Road in southeastern Ottawa, Ontario. CITY OF OTTAWA

---

**Site:** **Riverside South Development Corp.**  
**Ottawa ON K1G 2H5**

**Database:**  
**ECA**

**Approval No:** 0166-ACPSEZ  
**Approval Date:** 2016-08-23  
**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  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/3244-A6CPHG-14.pdf>

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

---

**Site:** **Urbandale Corporation**  
**Ottawa ON K1G 2H5**

**Database:**  
**ECA**

**Approval No:** 8787-5YQRUU  
**Approval Date:** 2004-05-10  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

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



**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/3747-5YPLC8-14.pdf>

---

**Site:** **Urbandale Corporation**  
**Ottawa ON K1G 2H5**

**Database:**  
**ECA**

<b>Approval No:</b>	4781-4ZEKPM	<b>MOE District:</b>	
<b>Approval Date:</b>	2001-08-21	<b>City:</b>	
<b>Status:</b>	Approved	<b>Longitude:</b>	
<b>Record Type:</b>	ECA	<b>Latitude:</b>	
<b>Link Source:</b>	IDS	<b>Geometry X:</b>	
<b>SWP Area Name:</b>		<b>Geometry Y:</b>	
<b>Approval Type:</b>	ECA-INDUSTRIAL SEWAGE WORKS		
<b>Project Type:</b>	INDUSTRIAL SEWAGE WORKS		
<b>Address:</b>			
<b>Full Address:</b>			
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/1402-4Z2HBD-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/1402-4Z2HBD-14.pdf</a>		

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**Site:** **Lots 23 & 24, Con 1, Gloucester ON**

**Database:**  
**RSC**

<b>RSC ID:</b>		<b>Cert Date:</b>	
<b>RA No:</b>		<b>Cert Prop Use No:</b>	
<b>RSC Type:</b>		<b>Intended Prop Use:</b>	
<b>Curr Property Use:</b>		<b>Qual Person Name:</b>	
<b>Ministry District:</b>		<b>Stratified (Y/N):</b>	
<b>Filing Date:</b>	01/26/00	<b>Audit (Y/N):</b>	
<b>Date Ack:</b>		<b>Entire Leg Prop. (Y/N):</b>	
<b>Date Returned:</b>	03/10/00	<b>Accuracy Estimate:</b>	
<b>Restoration Type:</b>		<b>Telephone:</b>	
<b>Soil Type:</b>		<b>Fax:</b>	
<b>Criteria:</b>		<b>Email:</b>	
<b>CPU Issued Sect</b>			
<b>1686:</b>			
<b>Asmt Roll No:</b>			
<b>Prop ID No (PIN):</b>			
<b>Property Municipal Address:</b>			
<b>Mailing Address:</b>			
<b>Latitude &amp; Longitude:</b>			
<b>UTM Coordinates:</b>			
<b>Consultant:</b>			
<b>Filing Owner:</b>			
<b>Legal Desc:</b>			
<b>Measurement Method:</b>			
<b>Applicable Standards:</b>			
<b>RSC PDF:</b>			

# 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 2019**

## **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-Jan 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 2017**

**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: Feb 28, 2017**

**Chemical Register:**

Private CHEM

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

**Government Publication Date: 1999-Jan 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 - Nov 2019**

**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 2019**

**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-Feb 29, 2020**

**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 2019**

**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-Feb 29, 2020**

**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-Feb 29, 2020**

**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-Feb 29, 2020**

**Environmental Effects Monitoring:**

Federal [EEM](#)

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

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

**ERIS Historical Searches:**

Private [EHS](#)

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

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

**Environmental Issues Inventory System:**

Federal [EIS](#)

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 EIS 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 or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2018**

**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: Feb 28, 2017**

**Federal Convictions:**

Federal FCON

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

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

**Contaminated Sites on Federal Land:**

Federal FCS

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

**Government Publication Date: Jun 2000-Nov 2019**

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

Federal FED TANKS

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**

**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 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: Feb 28, 2017**

**Fuel Storage Tank - Historic:**

Provincial FSTH

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

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

**Ontario Regulation 347 Waste Generators Summary:**

Provincial GEN

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

**Government Publication Date: 1986-Jan 31, 2020**

**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 2017**

**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: Feb 28, 2017**

**Landfill Inventory Management Ontario:**

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: 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-Jan 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, 2018

**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-Dec 31, 2019

**National Energy Board Wells:**

Federal

NEBP

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

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

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

Federal

NEES

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

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

**National PCB Inventory:**

Federal

NPCB

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

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

**National Pollutant Release Inventory:**

Federal

NPRI

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

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

**Oil and Gas Wells:**

Private

[OGWE](#)

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

**Government Publication Date: 1988-Feb 29, 2020**

**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 2019**

**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-Feb 29, 2020**

**Canadian Pulp and Paper:**

Private

[PAP](#)

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

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

**Parks Canada Fuel Storage Tanks:**

Federal

[PCFT](#)

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

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

**Pesticide Register:**

Provincial

[PES](#)

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

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

**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: Feb 28, 2017**

**Private and Retail Fuel Storage Tanks:**

Provincial

[PRT](#)

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

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

**Permit to Take Water:**

Provincial

[PTTW](#)

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

**Government Publication Date: 1994-Feb 29, 2020**



**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

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

**Government Publication Date: 1986-2016**

**Record of Site Condition:**

Provincial RSC

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

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

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2020**

**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-Jan 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

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 2019**

**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, 2017**

**Anderson's Storage Tanks:**

Private TANK

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

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

**Transport Canada Fuel Storage Tanks:**

Federal TCFT

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

**Government Publication Date: 1970-Aug 2018**

**Variances 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: Feb 28, 2017**

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

Provincial

[WDS](#)

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

**Government Publication Date: Oct 2011-Feb 29, 2020**

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

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

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

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

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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

# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

## POSITION

Intermediate Environmental Engineer

## EDUCATION

Carleton University  
M.A.Sc., Environmental Engineering, 2013  
B.Eng., Environmental Engineering, 2008

## MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)  
NSERC Industry R&D Scholarship

## EXPERIENCE

*2018 – Present*

**Paterson Group Inc.**

Consulting Engineers  
Geotechnical and Environmental Division  
Environmental Engineer

*2014 – 2015*

**Thurber Engineering Limited**

Oil Sand Tailings Group  
Tailings Engineer

*2009 – 2014*

**Carleton University**

Department of Civil & Environmental Engineering  
Research Engineer, Research Assistant & Teaching Assistant

*2008 – 2009*

**SLR Consulting Limited**

Contaminated Sites  
Junior Environmental Engineer

## SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston  
Remediation – National Capital Region, Saskatchewan  
Multi-lift and dry-stacking pilot programs – Northern Alberta  
Polymer amended oil sand tailings – Northern Alberta  
Hydraulic cut-off wall – Allen, Saskatchewan  
Cemented paste backfill systems – Northern Ontario

Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

Archaeological  
Services

## POSITION

Associate and Supervisor of the Environmental Division  
Senior Environmental/Geotechnical Engineer

## EDUCATION

Queen's University, B.A.Sc.Eng, 1991  
Geotechnical / Geological Engineering

## MEMBERSHIPS

Ottawa Geotechnical Group  
Professional Engineers of Ontario

## EXPERIENCE

*1991 to Present*

### **Paterson Group Inc.**

Associate and Senior Environmental/Geotechnical Engineer  
Environmental and Geotechnical Division  
Supervisor of the Environmental Division

## SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island  
Agricultural Supply Facilities - Eastern Ontario  
Laboratory Facility – Edmonton (Alberta)  
Ottawa International Airport - Contaminant Migration Study - Ottawa  
Richmond Road Reconstruction - Ottawa  
Billings Hurdman Interconnect - Ottawa  
Bank Street Reconstruction - Ottawa  
Environmental Review – Various Laboratories across Canada - CFIA  
Dwyer Hill Training Centre – Ottawa  
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa  
Remediation Program - Block D Lands – Kingston  
Investigation of former landfill sites – City of Ottawa  
Record of Site Condition for Railway Lands – North Bay  
Commercial Properties – Guelph and Brampton  
Brownfields Remediation – Alcan Site - Kingston  
Montreal Road Reconstruction - Ottawa  
Appleford Street Residential Development - Ottawa  
Remediation Program - Ottawa Train Yards  
Remediation Program - Bayshore and Heron Gate  
Gladstone Avenue Reconstruction – Ottawa  
Somerset Avenue West Reconstruction - Ottawa