



Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

## Phase I-Environmental Site Assessment

232 Donald B Munro Drive  
Carp, Ontario

Prepared For

Tartan Land Corporation

### Paterson Group Inc.

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September 8, 2021

Report: PE5411-1

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## EXECUTIVE SUMMARY

### Assessment

Paterson Group was retained by Tartan Land Corporation to conduct a Phase I-Environmental Site Assessment (ESA) for the southern part of 232 Donald B Munro Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and 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 has always been agriculture use or treed land. Based on historical records, neighbouring land use has consisted of agricultural and treed lands, some of which have become more residential over the last 20 years.

One (1) historical potentially contaminating activity (PCA) were identified off site as the railway tracks south of site. Based on the downgradient orientation and distance, the PCA is not considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

Following the historical research, a site visit was conducted. The subject site is a vacant land situated at the edge of the growing village of Carp. Neighbouring land use in the Phase I Study Area consists of residential or is vacant and unutilized. No other PCAs were identified with the current use of the Phase I Property or lands within the Study Area.

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 Tartan Land Corporation, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the southern part of the property located at 232 Donald B Munro Drive, in the City of Ottawa (village of Carp), 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.

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:	232 Donald B Munro Drive, Carp, Ontario.
Legal Description:	Part of Lot 17, Concession 2. Township of Huntley, in the City of Ottawa, Ontario.
Location:	The site is located North of the intersection of Donald B Munro Drive and Farmridge Drive in Carp, (now City of Ottawa), Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 20' 42.20" N, 76° 01' 15.80" W

### **Site Description:**

Configuration:	Irregular
Area:	7.9 hectares (approximately)
Zoning:	DR3 – Development Reserve Zone
Current Use:	The subject site is currently vacant land.
Services:	The subject site and adjacent lands are situated in a municipally serviced area.

### **3.0 SCOPE OF INVESTIGATION**

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

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

## **4.0 RECORDS REVIEW**

### **4.1 General**

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

A radius of approximately 250 m was determined to be appropriate as a Phase I 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**

According to the aerial photographs, the subject property has never been developed.

#### **National Archives**

Fire Insurance Plans (FIPs) are not available for the subject site or adjacent properties.

The Ottawa city directories were reviewed for the subject site. However, due to the amalgamation and the location of the subject property, the Ottawa City Directories were only available from 2001 to 2011. The subject site has never been listed in the city directories. No off-site potentially contaminating activities (PCAs) were identified in the directories

#### **Chain of Title**

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, city directories and previous engineering reports.

#### **Plan of Survey**

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

#### **Previous Engineering Reports**

Paterson conducted a geotechnical investigation for the subject site in January 2021 (Report No. PG5628-1). Based on the geotechnical report, the subsurface profile in the general area consisted of topsoil overlying very stiff to stiff brown silty clay and/or glacial till.

Groundwater levels were measured at the time of the investigation and the groundwater flow direction was inferred to be in a southerly direction. No environmental concerns were noted at the time.

## **4.2 Environmental Source Information**

### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on August 19, 2021. 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.

### **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 August 19, 2021. The search found an area of interest just north of the subject property as the Carp Hills. Due to the sensitivity class and rationale of the feature, no restrictions are in place for the subject site.

### **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. At the time of issuance of this report, a response had not been received. A copy of the response will be forwarded to the client, should it contain any pertinent information

### **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 Conditions (RSCs) were filed for the subject property or properties within the Phase I ESA 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. There are no former waste disposal sites located within 250 m of the Phase I study area.

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on August 17, 2021, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records were 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 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. At the time of issuance of this report, a response had not been received. A copy of the response will be forwarded to the client, should it contain any pertinent information.

## **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:

- |      |   |
|------|---|
| 1946 | The subject site appears to be vacant agricultural fields on southern portion of site while the northern portion of site shows to be treed. Donald B. Munro Drive can be seen in the current configuration. The surrounding lands are all agricultural fields at this time. |
| 1964 | No significant changes are apparent to the subject site. Residential development is present further west of site, along Donald B Munro Drive.   |
| 1976 | No significant changes are apparent to the subject site. Glenncastle Drive and Robertlee Drive are present at this time with further residential development around these streets to the west.  |
| 1989 | No significant changes are apparent to the subject site or neighbouring lands.  |

- 
- |      |   |
|------|---|
| 1999 | No significant changes are apparent to the subject site or neighbouring lands.  |
| 2008 | No significant changes are apparent to the subject site or neighbouring lands.  |
| 2013 | The subject site appears to have an access road off Donald B Munro Drive as stockpiles and lumber are stored on the south-eastern portion of the subject property. Meadowridge Circle is undergoing development immediately south of site. Based on an interview with the client, the area is being used to store topsoil and lumber from the Meadowridge development during this time. |
| 2019 | The subject site is occupied with soil stockpiles, from the Meadowridge development, which are covering the southern, east to west portion of the property. There are also topsoil windrows, based on an interview with the client. The northern portion of the property remains treed, and Meadowridge Circle is present to the south and occupied with residential development.       |

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

### **Topographic Maps**

A Topographic map was obtained from the Natural Resources Canada. The topographic map indicates that the regional topography in the general area of the site slopes down in a southwesterly direction towards the Carp River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

### **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 southern and northern portions of the property consists of interbedded limestone and shale of the Verulam Formation and intrusive rocks of Syenite, respectively. The site is located in an area where both nearshore and offshore marine sediments are present (sand, reworked glaciofluvial, clay and silt). The drift thickness in the area ranges from 50 to 100 m.

### **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.

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

No bodies of water were identified on the subject site or within the study area. The search of Natural significance found an area of interest just north of the subject property as the Carp Hills. Due to the sensitivity class and rationale of the feature, no restrictions are in place for the subject site.

### **Water Well Records**

A well record search was conducted on August 19, 2021, for all drilled wells within 250 m of the subject site. The search returned eighteen (18) records, of which, fourteen (14) were domestic wells, one (1) municipal well, and one (3) abandoned monitoring wells. One of the well records were identified on the subject site. Following the site reconnaissance, no wells were located within the property boundaries. Based on the well records, all potable water wells were drilled to depths ranging from 13.4 to 124.1 meters below the existing ground surface.

Based on the well records, the stratigraphy in the general area consists of sandy clay, overlying limestone or granite bedrock. No other information was provided in the well records. A copy of the well records has been included in Appendix 2.

## **5.0 INTERVIEWS**

Both Mr. Pierre Dufresne, representative for Tartan Homes Corporation, and Mr. Douglas Rivington, who has been the property owner since 1986 when the land was passed down to him from his mother, were available for questioning during this ESA 1. It was found that the land has been vacant and was used as farmland until the construction of Meadowridge, sometime in 2013. During the development of Meadowridge, we were informed that that the subject site was used to store excess soil and lumber from the adjacent housing development. Neither party knew of any environmental concern on the subject property.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

The site visit was conducted on August 12, 2021. Weather conditions were cloudy with a temperature of approximately 26°C. Mr. Beau Drieschner from the

Environmental Department of Paterson conducted the site assessment. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

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

### **Site Features**

The subject property is vacant land with soil piles that have been wind rowed across the southern, east to west portion of the property. The northeast corner of the property is used for construction storage including a metal sea can, a variety of lumber. Vegetation entails overgrown grass and shrubs including invasive species of Canada Thistle. The northern, east to west portion of the property is treed, and a ravine passes through the central part of the site running in a southwest direction towards the Carp River. A gravel laneway provides access to the site, fronting Donald B Munro Drive. Site drainage consists primarily of infiltration and run off to the southwest direction.

The site topography is upgrade from Donald B Munro Drive and slopes towards the south-westerly direction. The region also general slopes in a south-westerly direction towards the Carp River.

No underground utilities were noted on-site. No drains, private sewage systems, or water wells were observed on the subject property at the time of the site visit. No evidence of current or former railway or spur lines was observed on the subject property at the time of the site visit. No areas of stained gravel/ground surface, stagnant/ponded water, stressed vegetation or unidentified substances were observed on-site at this time. No unusual odour or sheen was noted at the time of the visit.

### **Buildings and Structures**

There are no buildings or structures present on the Phase I Property.

### **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 subject site was as follows:

- North - Treed location;
- South - Residential dwellings and Meadowridge Circle;

- West - Residential dwellings;
- East - 224 Donald B Munro Drive resident and treed area;

The current use of the immediately adjacent properties is not considered to pose an environmental concern to the Phase I Property.

Current land use in the Phase I Study Area is illustrated on Drawing PE5311 – 2 Surrounding Land Use Plan in the Figures section of this report.

## **7.0 REVIEW AND EVALUATION OF INFORMATION**

### **7.1 Land Use History**

Based on the available historical records, the Phase I Property has never been developed.

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

As per Table 2 of O.Reg. 153/04, no PCAs were identified on the property. However, an off site PCA was identified within the Phase I ESA study area, identified as the railway tracks running south of site. Based on its location with respect to the subject site, this PCA does not generate an area of potential environmental concern (APEC) on the Phase I Property. The APEC is depicted in green on Drawing PE5411-2 –Surrounding Land Use Plan, in the Figures section of this report.

### **7.2 Conceptual Site Model**

#### **Geological and Hydrogeological Setting**

Based on information from the Geological Survey of Canada, the overburden thickness in the area of the subject site is estimated to be on the order of 50 to 100 m. The overburden consists of both nearshore and offshore marine sediments (sand, reworked glaciofluvial, clay and silt). Bedrock in the southern and northern portions of the property consists of interbedded limestone and shale of the Verulam Formation and intrusive rocks of Syenite, respectively.

Groundwater flow is interpreted to be in a south-westerly direction towards the Carp River.

#### **Existing Buildings and Structures**

There are no buildings or structures on the Phase I Property.

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

A ravine was identified running through the middle of the site. The ravine provides water runoff from the higher area of site to the north and runs southwest towards the Carp River. No bodies of water were identified on the subject site or within the study area. A search of natural features of significance found an area of interest just north of the subject property as the Carp Hills. It was found, due to the sensitivity class and rationale of the feature, no restrictions are in place for the subject site.

### **Drinking Water Wells**

Based on the MECP well recorded was found on the subject site near Donald B Munro Drive. However, during the site reconnaissance, no water wells were found on the Phase I Property.

### **Groundwater Monitoring Wells**

Three historic groundwater monitoring wells were identified 250 m southwest of the subject site. Based on the downgradient location of the monitoring wells, they are not considered to pose a risk to the Phase I Property.

### **Neighbouring Land Use**

Neighbouring land use in the Phase I Study Area consists of a combination of residential and treed locations. Railway tracks are present 250 m south of the subject land.

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

As per our finding withing this report, there were no potential contamination activities and areas of potential environmental concern.

## 8.0 CONCLUSIONS

### Assessment

Paterson Group was retained by Tartan Land Corporation to conduct a Phase I-Environmental Site Assessment (ESA) for the southern part of 232 Donald B Munro Drive, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and 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 has always been agriculture use or treed land. Based on historical records, neighbouring land use has consisted of agricultural and treed lands, some of which have become more residential over the last 20 years.

One (1) historical potentially contaminating activity (PCA) was identified off site as the railway tracks south of site. Based on the downgradient orientation and distance, the PCA is not considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

Following the historical research, a site visit was conducted. The subject site is a vacant land situated at the edge of the growing village of Carp. Neighbouring land use in the Phase I Study Area consists of residential or is vacant and unutilized. No other PCAs were identified with the current use of the Phase I Property or lands within the Study Area.

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 Tartan Land Corporation. Permission and notification from Tartan Land Corporation and Paterson will be required to release this report to any other party.

### Paterson Group Inc.



Beau Drieschner B.Sc



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



### Report Distribution:

- Tartan Land Corporation
- 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.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

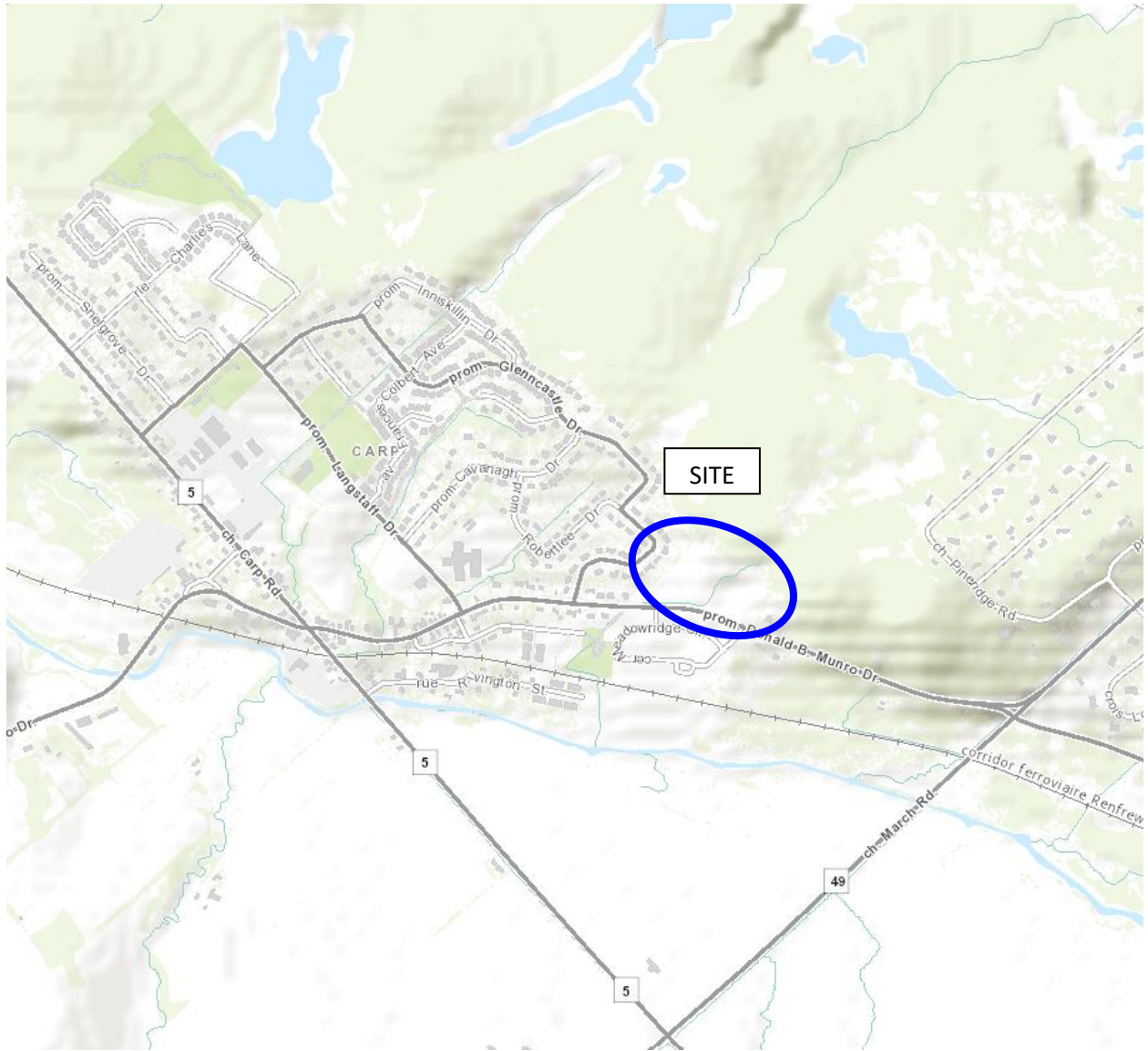
# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE5411 – 1 SITE PLAN**

**DRAWING PE5411 – 2 SURROUNDING LAND USE PLAN**



**FIGURE 1**  
**KEY PLAN**

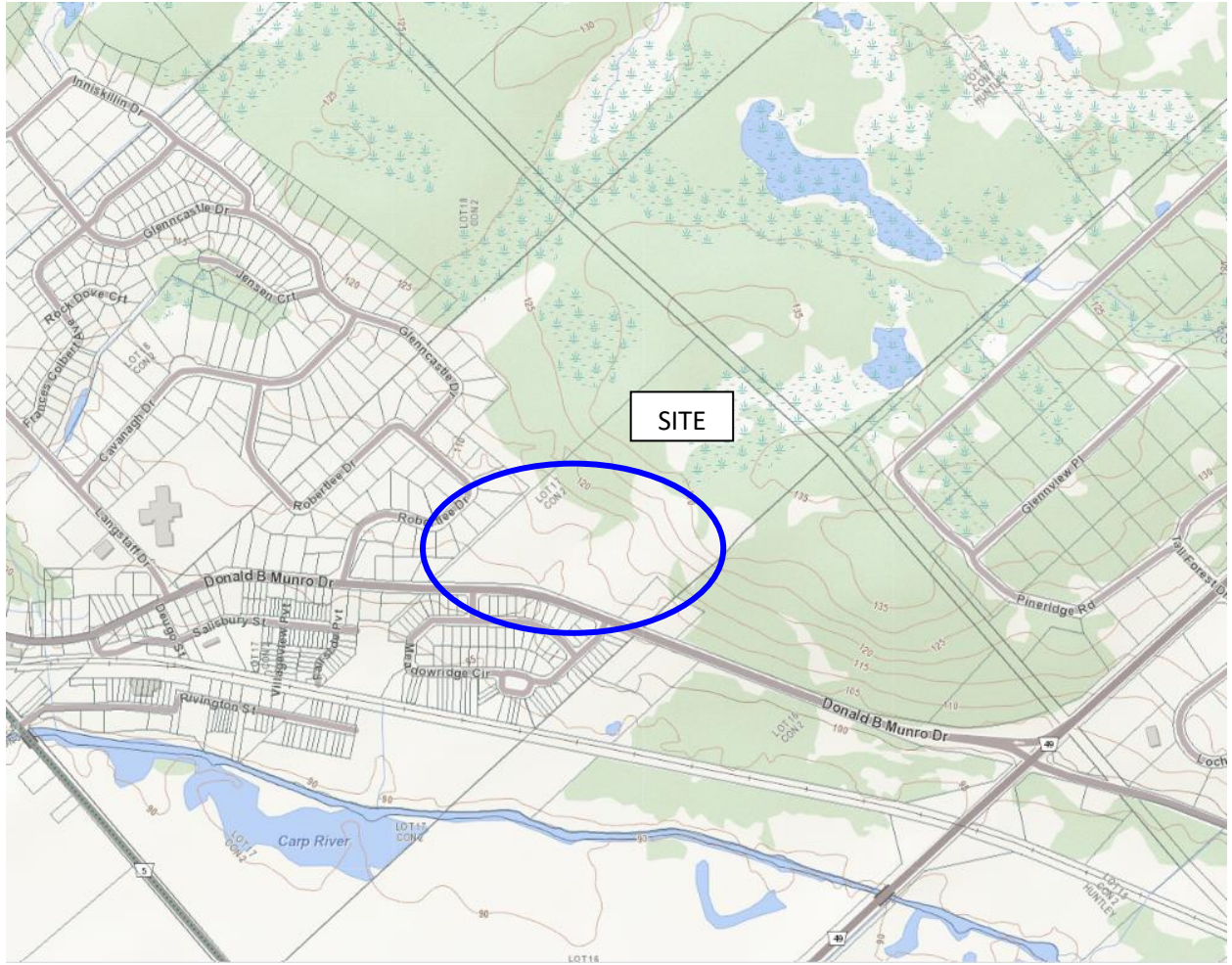
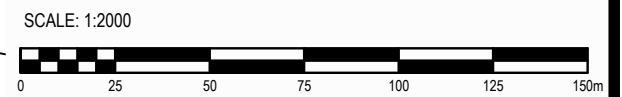
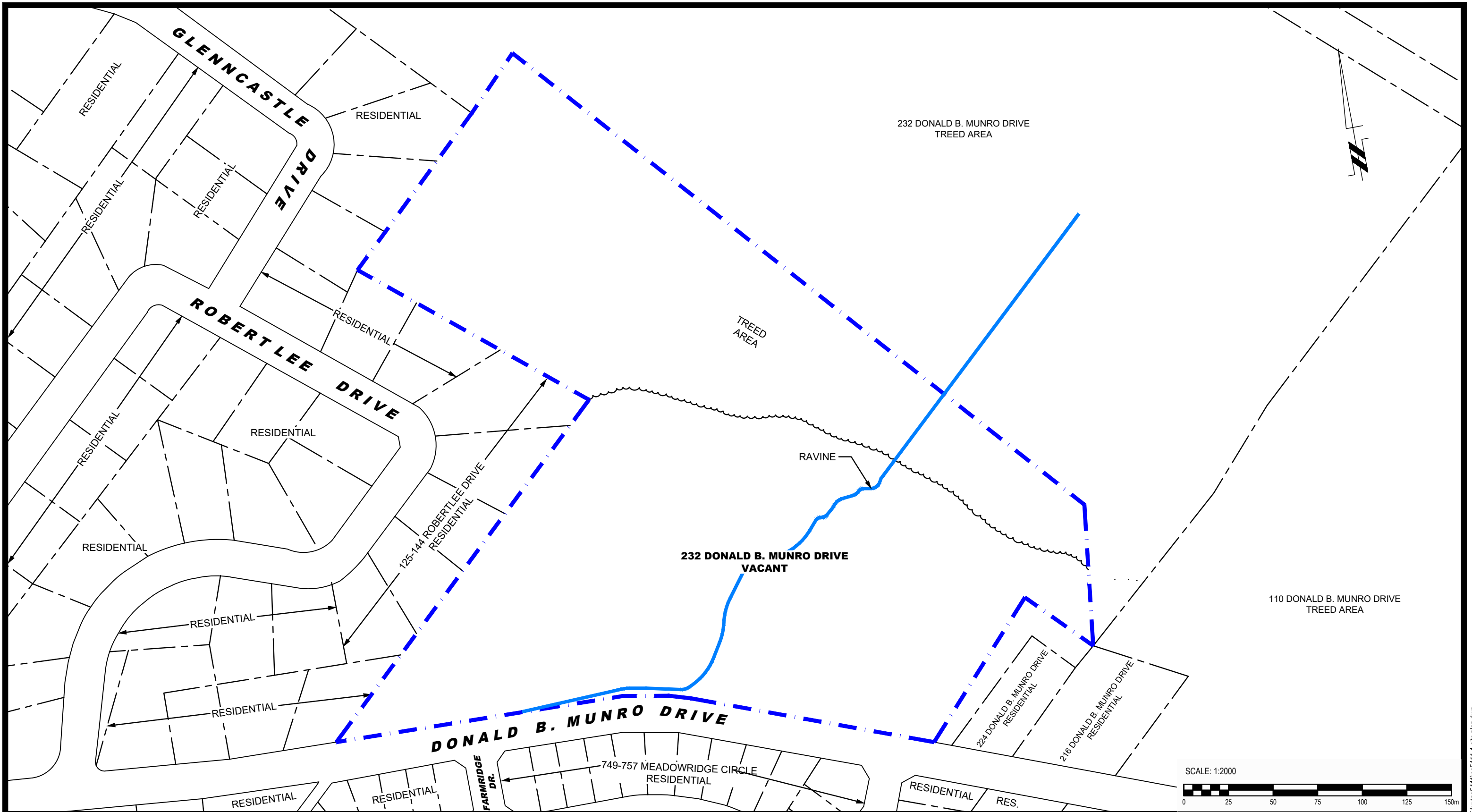


FIGURE 2  
TOPOGRAPHIC MAP



**patersongroup**  
consulting engineers

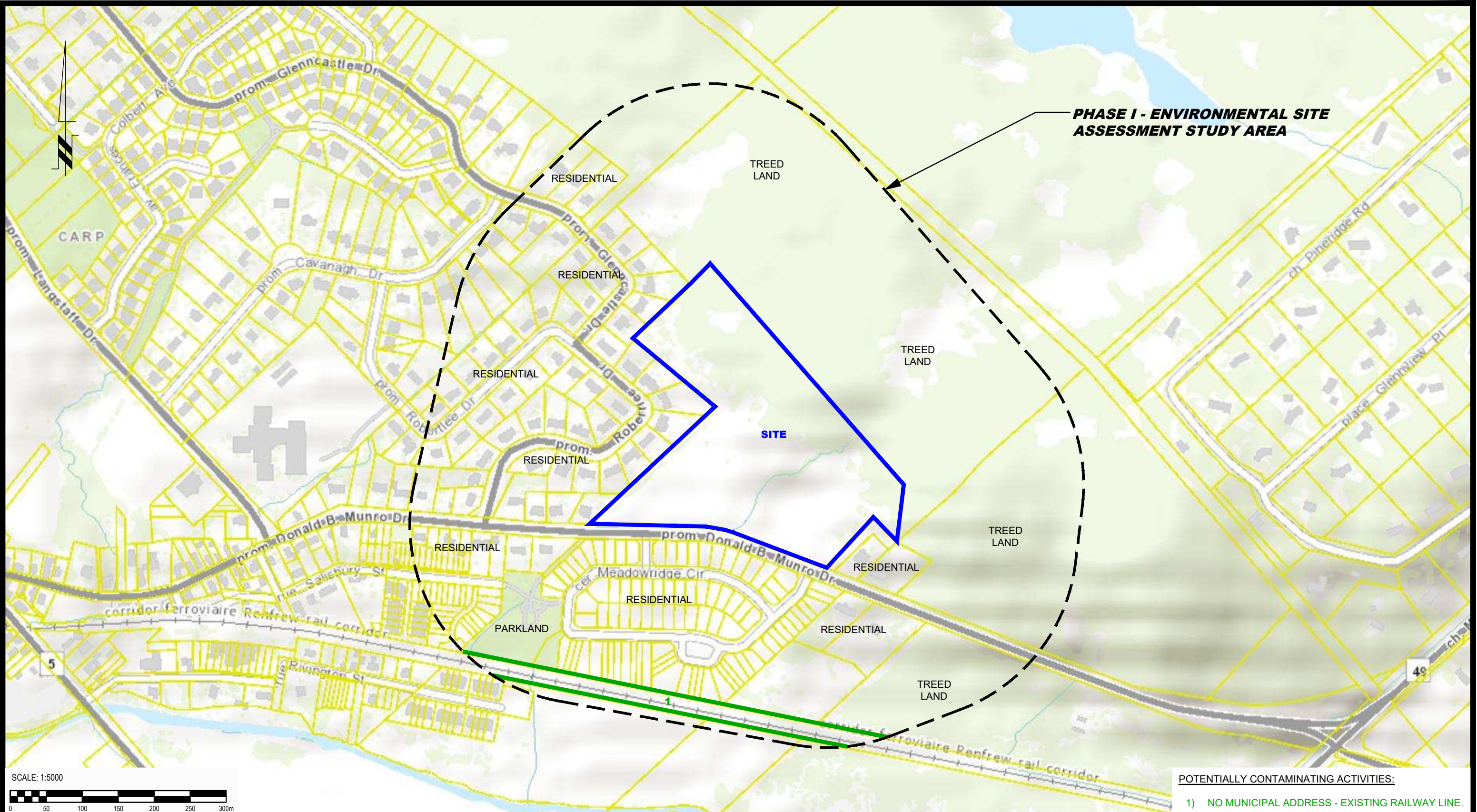
154 Colonnade Road South  
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NO.	REVISIONS	DATE	INITIAL

TARTAN LAND CORPORATION  
**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**  
 232 DONALD B. MUNRO DRIVE  
 OTTAWA, ONTARIO  
**SITE PLAN**

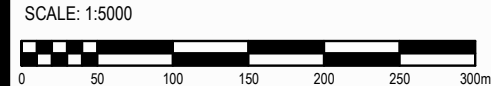
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Drawn by:	JM	Report No.:	PE5411-1
Checked by:	BD	Dwg. No.:	<b>PE5411-1</b>
Approved by:	MSD	Revision No.:	





**PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA**

POTENTIALLY CONTAMINATING ACTIVITIES:  
 1) NO MUNICIPAL ADDRESS - EXISTING RAILWAY LINE.



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NO.	REVISIONS	DATE	INITIAL

TARTAN LAND CORPORATION  
 PHASE I - ENVIRONMENTAL SITE ASSESSMENT  
 232 DONALD B. MUNRO DRIVE  
 OTTAWA, ONTARIO  
**SURROUNDING LAND USE PLAN**

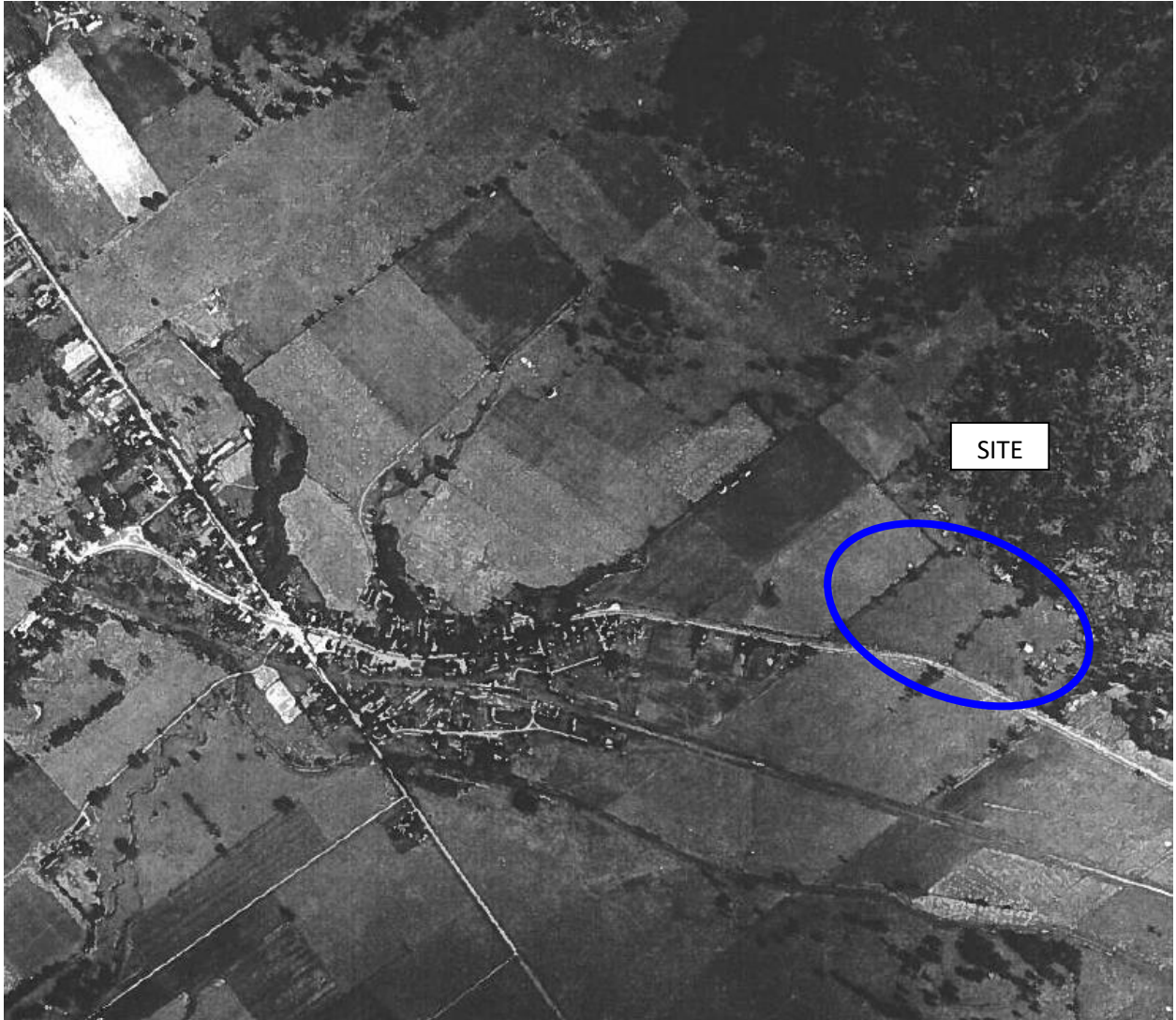
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Checked by:	BD	Dwg. No.:	<b>PE5411-2</b>
Approved by:	MSD	Revision No.:	



# **APPENDIX 1**

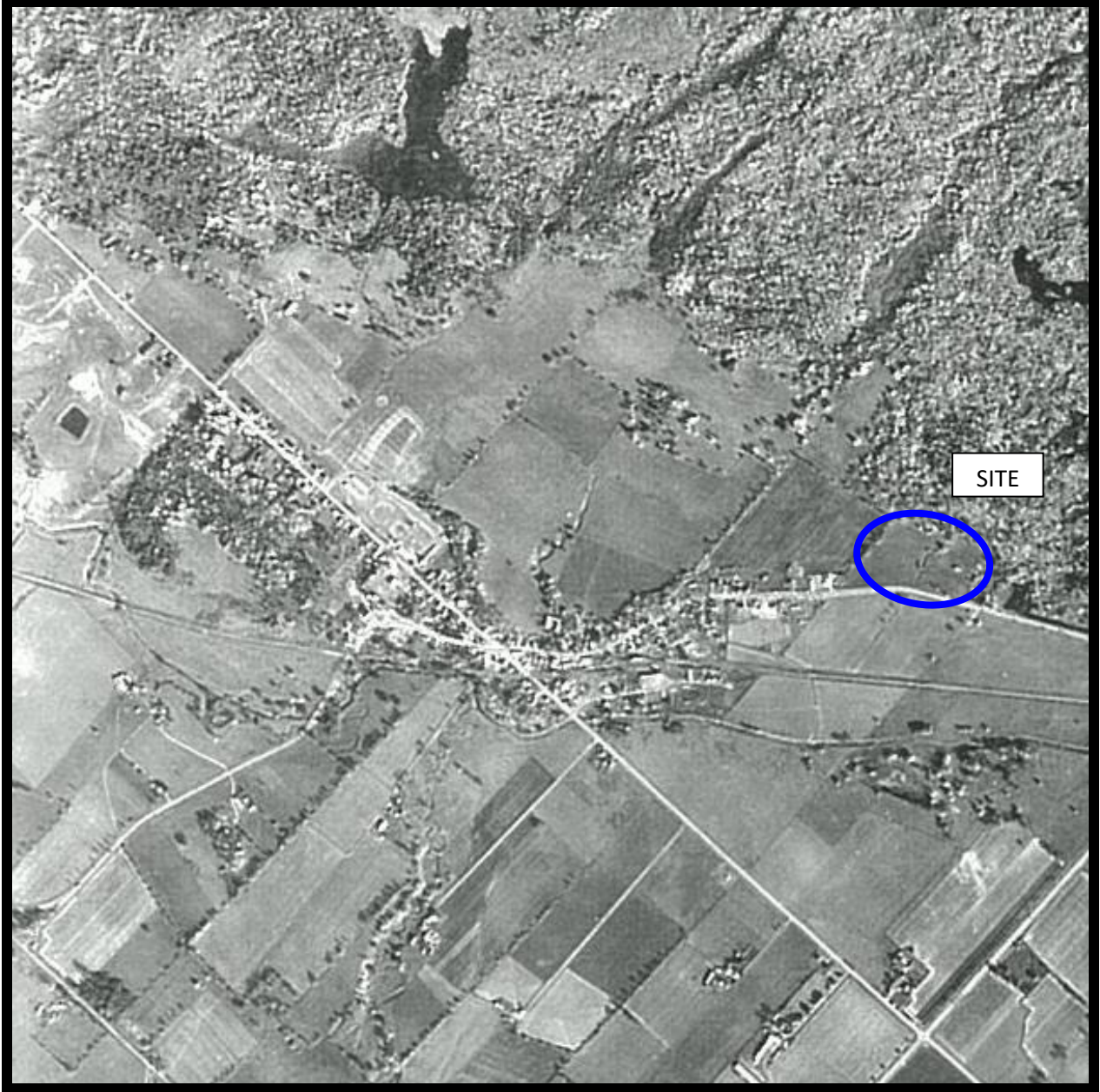
**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



AERIAL PHOTOGRAPH  
1946



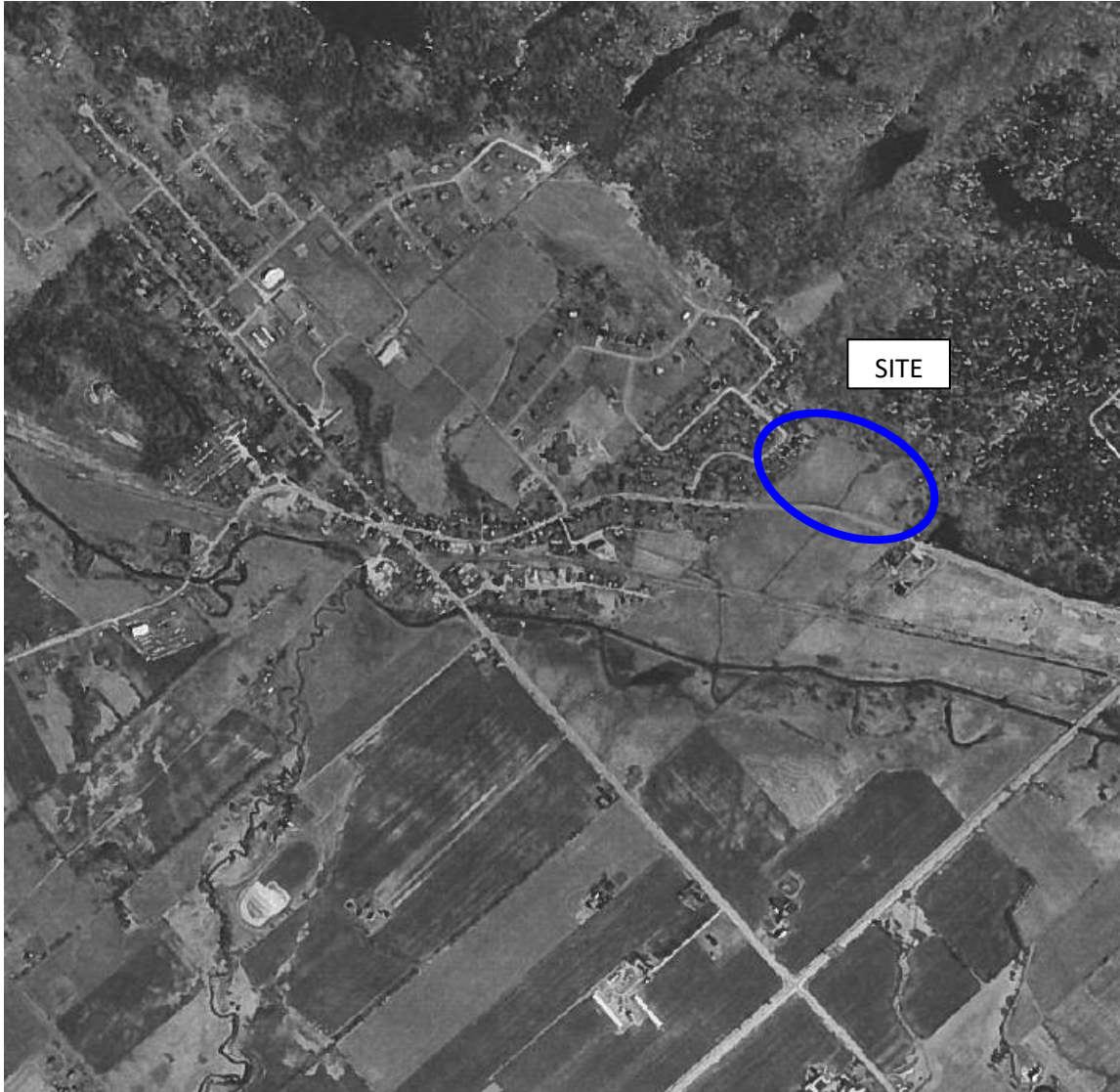


AERIAL PHOTOGRAPH  
1964



AERIAL PHOTOGRAPH  
1976





AERIAL PHOTOGRAPH  
1989



AERIAL PHOTOGRAPH  
1999





AERIAL PHOTOGRAPH  
2008



AERIAL PHOTOGRAPH  
2013





AERIAL PHOTOGRAPH  
2019



## Site Photographs

PE5411

232 Donald B Munro Drive– Ottawa, ON

August 12, 2021



Photograph 1: Northeast view of the subject site, taken near Donald B Munro Drive, showing growth of vegetation on site and the treed location to the north.



Photograph 2: Southwest view of the subject site, showing downward gradient.



## Site Photographs

PE5411

232 Donald B Munro Drive– Ottawa, ON

August 12, 2021



Photograph 3: North view of the subject site, showing gravel road coming into site.



Photograph 4: North view of the subject site, showing a sea can and construction storage on site.



## Site Photographs

PE5411

232 Donald B Munro Drive– Ottawa, ON

August 12, 2021



Photograph 5: Northwest view of the subject site bordering Donald B Munro Drive.



Photograph 6: East view of the subject site bordering Donald B Munro Drive.

# **APPENDIX 2**

**ERIS REPORT**

**MECP FREEDOM OF INFORMATION REQUEST**

**TSSA CORRESPONDENCE**

**HLUI REQUEST**

**MECP WELL RECORDS**



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# DATABASE REPORT

**Project Property:** *Phase 1 - ESA\_ Tartan Land  
224 Donald B Munro Drive  
Carp ON K0A 1L0*

**Project No:** *PE5411*

**Report Type:** *Standard Report*

**Order No:** *21081800293*

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

**Date Completed:** *August 23, 2021*

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

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

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# Executive Summary

## Property Information:

**Project Property:** *Phase 1 - ESA\_ Tartan Land  
224 Donald B Munro Drive Carp ON K0A 1L0*

**Project No:** *PE5411*

## **Coordinates:**

**Latitude:** *45.3453971*  
**Longitude:** *-76.021663*  
**UTM Northing:** *5,021,828.45*  
**UTM Easting:** *419,962.63*  
**UTM Zone:** *18T*

**Elevation:** *357 FT  
108.87 M*

## Order Information:

**Order No:** *21081800293*  
**Date Requested:** *August 18, 2021*  
**Requested by:** *Paterson Group Inc.*  
**Report Type:** *Standard Report*

## Historical/Products:

## Executive Summary: Report Summary

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



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



## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

<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>	BORE		ON	SW/48.5	-2.36	<a href="#">12</a>
<a href="#">2</a>	WWIS		lot 17 con 2 ON <b>Well ID:</b> 1510502	SW/48.5	-2.36	<a href="#">13</a>
<a href="#">3</a>	ECA	D & H Rivington Enterprises Incorporated	Ottawa ON K0A 1L0	W/247.2	-4.05	<a href="#">15</a>
<a href="#">3</a>	ECA	D & H Rivington Enterprises Incorporated	Ottawa ON K0A 1L0	W/247.2	-4.05	<a href="#">15</a>

# Executive Summary: Summary By Data Source

## **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>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	SW	48.48	<a href="#"><u>1</u></a>

## **ECA - Environmental Compliance Approval**

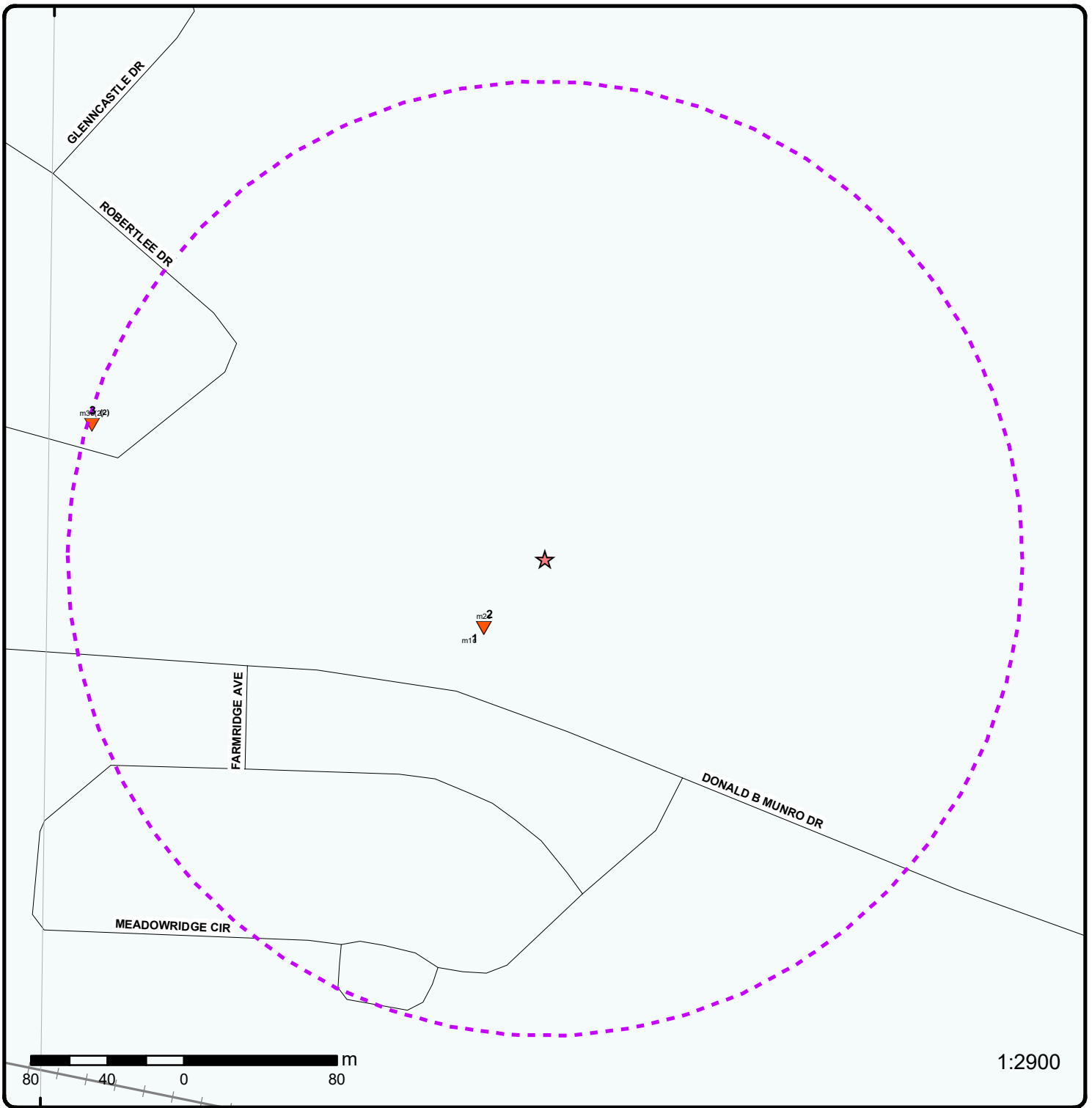
A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
D & H Rivington Enterprises Incorporated	Ottawa ON K0A 1L0	W	247.19	<a href="#"><u>3</u></a>
D & H Rivington Enterprises Incorporated	Ottawa ON K0A 1L0	W	247.19	<a href="#"><u>3</u></a>

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

A search of the WWIS database, dated Apr 30, 2021 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	lot 17 con 2 ON  <i>Well ID:</i> 1510502	SW	48.52	<a href="#"><u>2</u></a>



### Map: 0.25 Kilometer Radius

Order Number: 21081800293

Address: 224 Donald B Munro Drive, Carp, ON

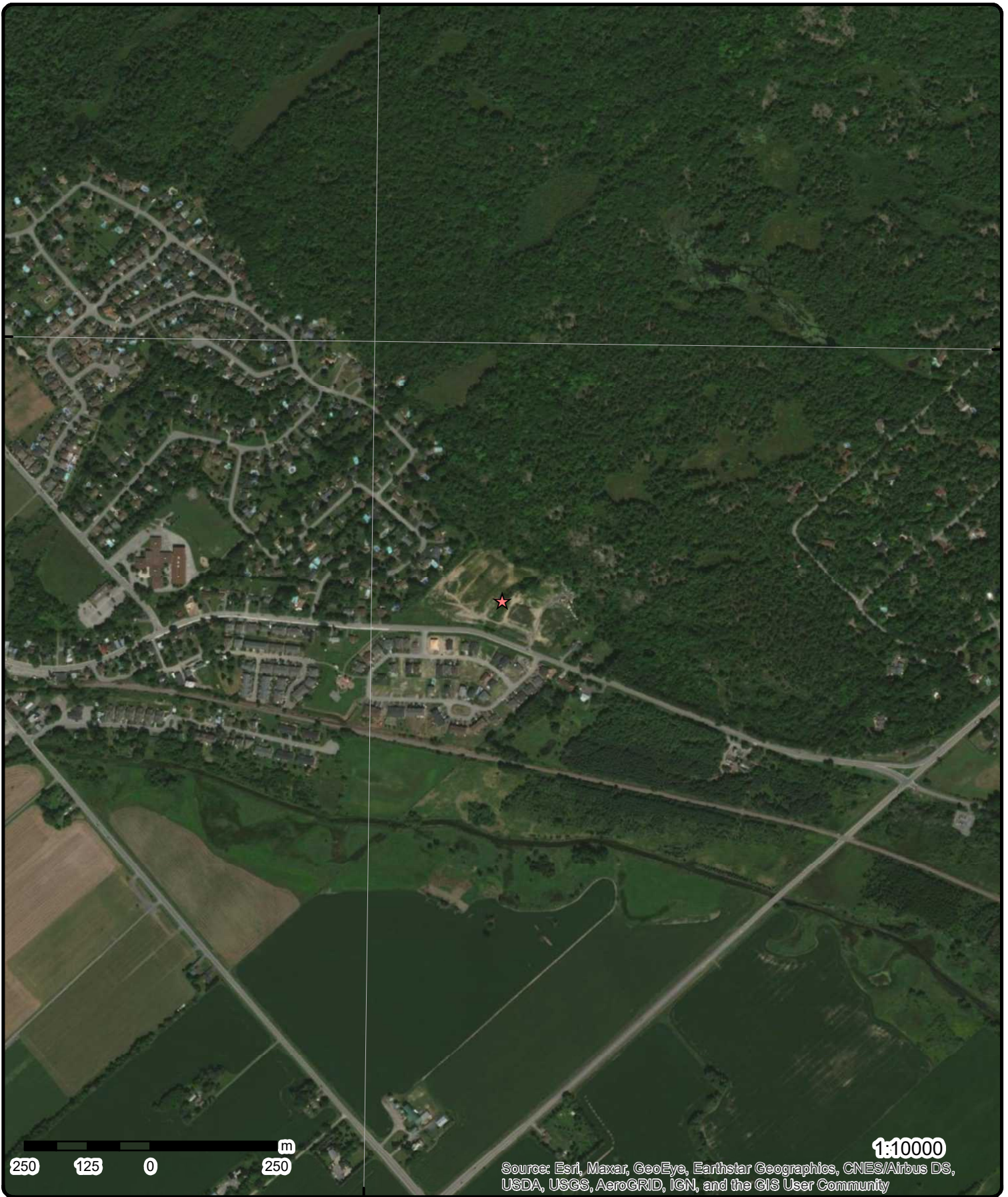


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range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

76°1'30"W

45°2'1"N

45°2'1"N



**Aerial** Year: 2020

Order Number: 21081800293

**Address: 224 Donald B Munro Drive, Carp, ON**



Source: ESRI World Imagery

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76°3'W

76°1'30"W

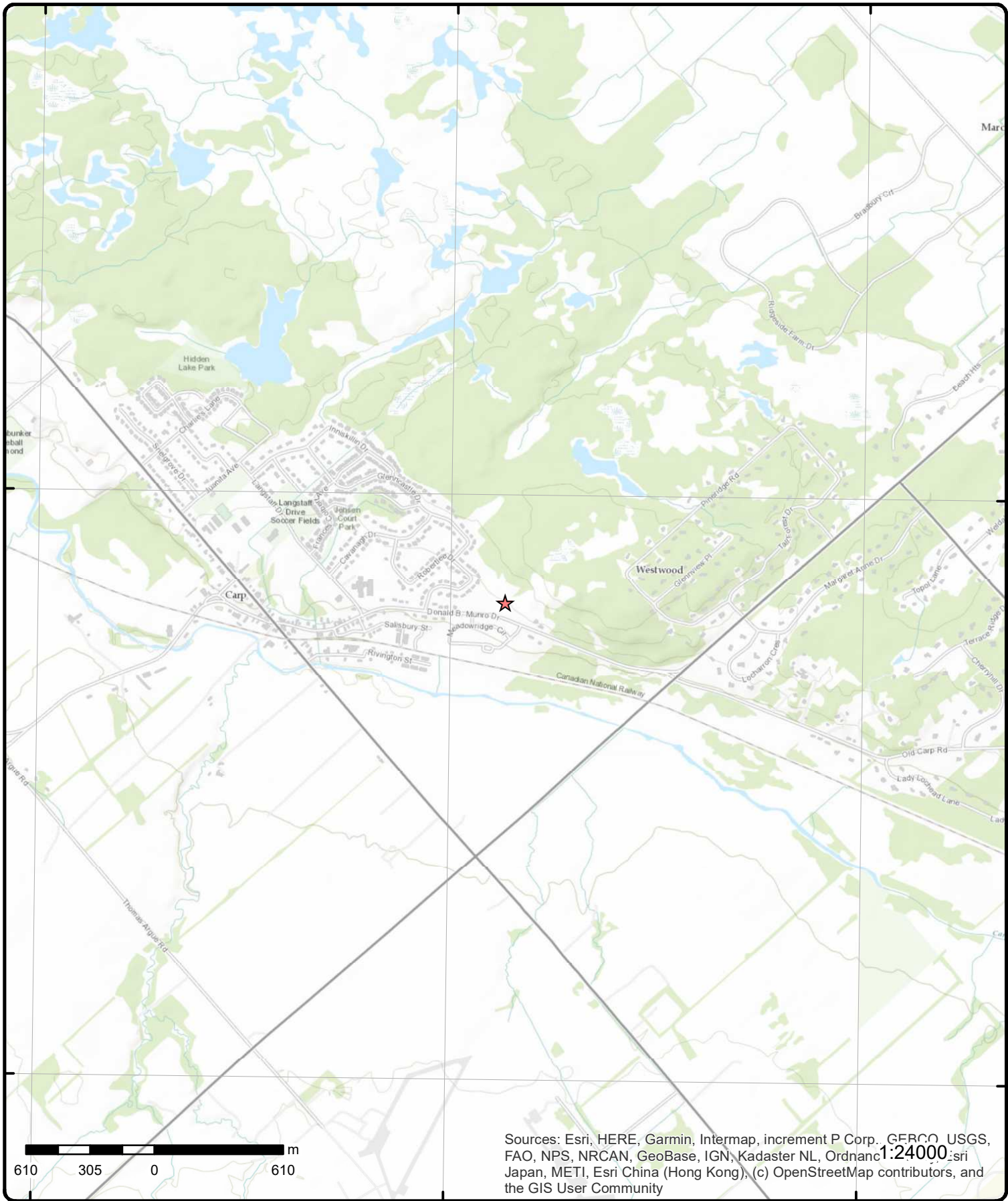
76°0'W

45°21'N

45°21'N

45°19'30"N

45°19'30"N



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

# Topographic Map

**Address: 224 Donald B Munro Drive, ON**

Source: ESRI World Topographic Map

Order Number: 21081800293



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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	SW/48.5	106.5 / -2.36	ON	BORE
<b>Borehole ID:</b>		608791		<b>Inclin FLG:</b> No	
<b>OGF ID:</b>		215510497		<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>		MAY-1969		<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b> 45.345066	
<b>Total Depth m:</b>		41.5		<b>Longitude DD:</b> -76.022066	
<b>Depth Ref:</b>		Ground Surface		<b>UTM Zone:</b> 18	
<b>Depth Elev:</b>				<b>Easting:</b> 419931	
<b>Drill Method:</b>				<b>Northing:</b> 5021792	
<b>Orig Ground Elev m:</b>		109		<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b> Not Applicable	
<b>DEM Ground Elev m:</b>		104			
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

### Borehole Geology Stratum

<b>Geology Stratum ID:</b> 218381694	<b>Mat Consistency:</b>
<b>Top Depth:</b> 0	<b>Material Moisture:</b>
<b>Bottom Depth:</b> 41.5	<b>Material Texture:</b>
<b>Material Color:</b> Black	<b>Non Geo Mat Type:</b>
<b>Material 1:</b> Granite	<b>Geologic Formation:</b>
<b>Material 2:</b>	<b>Geologic Group:</b>
<b>Material 3:</b>	<b>Geologic Period:</b>
<b>Material 4:</b>	<b>Depositional Gen:</b>
<b>Gsc Material Description:</b>	
<b>Stratum Description:</b> GRANITE. BLACK. ND. GREY. SAND. GREY. GRAVEL,SAND. GREY. SANDSTONE. WHITE. SANDSTONE.	

### Source

<b>Source Type:</b> Data Survey	<b>Source Appl:</b> Spatial/Tabular
<b>Source Orig:</b> Geological Survey of Canada	<b>Source Iden:</b> 1
<b>Source Date:</b> 1956-1972	<b>Scale or Res:</b> Varies
<b>Confidence:</b>	<b>Horizontal:</b> NAD27
<b>Observatio:</b>	<b>Verticalda:</b> Mean Average Sea Level
<b>Source Name:</b> Urban Geology Automated Information System (UGAIS)	
<b>Source Details:</b> File: OTTAWA1.txt RecordID: 01299 NTS_Sheet:	
<b>Confiden 1:</b>	

### Source List

<b>Source Identifier:</b> 1	<b>Horizontal Datum:</b> NAD27
<b>Source Type:</b> Data Survey	<b>Vertical Datum:</b> Mean Average Sea Level
<b>Source Date:</b> 1956-1972	<b>Projection Name:</b> Universal Transverse Mercator
<b>Scale or Resolution:</b> Varies	

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

<a href="#">2</a>	1 of 1	SW/48.5	106.5 / -2.36	lot 17 con 2 ON	WWIS
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<b>Well ID:</b>	1510502	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	2/16/1970
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	4806
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	HUNTLEY TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	017
<b>Well Depth:</b>		<b>Concession:</b>	02
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1510502.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510502.pdf)

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

**Well Completed Date:** 1969/05/20  
**Year Completed:** 1969  
**Depth (m):** 41.4528  
**Latitude:** 45.3450654121867  
**Longitude:** -76.0220658653982  
**Path:** 151\1510502.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10032530	<b>Elevation:</b>	104.225570
<b>DP2BR:</b>	0.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	419930.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5021792.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	20-May-1969 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931015059  
**Layer:** 1  
**Color:** 8



<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>General Color:</b>		BLACK			
<b>Mat1:</b>		21			
<b>Most Common Material:</b>		GRANITE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		136.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961510502			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10581100			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930057641			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		10			
<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>		930057642			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		136			
<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>		991510502			
<b>Pump Set At:</b>					
<b>Static Level:</b>		5.0			
<b>Final Level After Pumping:</b>		120.0			
<b>Recommended Pump Depth:</b>		130.0			
<b>Pumping Rate:</b>		5.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test Code:</b> <b>Water State After Test:</b> <b>Pumping Test Method:</b> <b>Pumping Duration HR:</b> <b>Pumping Duration MIN:</b> <b>Flowing:</b>	1 CLEAR 1 2 0 No				
<b><u>Water Details</u></b>					
<b>Water ID:</b> <b>Layer:</b> <b>Kind Code:</b> <b>Kind:</b> <b>Water Found Depth:</b> <b>Water Found Depth UOM:</b>	933465504 1 1 FRESH 41.0 ft				
<b><u>Water Details</u></b>					
<b>Water ID:</b> <b>Layer:</b> <b>Kind Code:</b> <b>Kind:</b> <b>Water Found Depth:</b> <b>Water Found Depth UOM:</b>	933465505 2 5 Not stated 135.0 ft				
<u>3</u>	1 of 2	W/247.2	104.8 / -4.05	D & H Rivington Enterprises Incorporated  Ottawa ON K0A 1L0	ECA
<b>Approval No:</b> <b>Approval Date:</b> <b>Status:</b> <b>Record Type:</b> <b>Link Source:</b> <b>SWP Area Name:</b> <b>Approval Type:</b> <b>Project Type:</b> <b>Business Name:</b> <b>Address:</b> <b>Full Address:</b> <b>Full PDF Link:</b>	4552-522QH7 2001-09-05 Approved ECA IDS Mississippi Valley ECA-Municipal and Private Water Works Municipal and Private Water Works D & H Rivington Enterprises Incorporated			<b>MOE District:</b> <b>City:</b> <b>Longitude:</b> <b>Latitude:</b> <b>Geometry X:</b> <b>Geometry Y:</b>	Ottawa  -76.02470000000001 45.346000000000004
<u>3</u>	2 of 2	W/247.2	104.8 / -4.05	D & H Rivington Enterprises Incorporated  Ottawa ON K0A 1L0	ECA
<b>Approval No:</b> <b>Approval Date:</b> <b>Status:</b> <b>Record Type:</b> <b>Link Source:</b> <b>SWP Area Name:</b> <b>Approval Type:</b> <b>Project Type:</b> <b>Business Name:</b> <b>Address:</b> <b>Full Address:</b> <b>Full PDF Link:</b>	4274-522QB2 2001-09-05 Approved ECA IDS Mississippi Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS D & H Rivington Enterprises Incorporated			<b>MOE District:</b> <b>City:</b> <b>Longitude:</b> <b>Latitude:</b> <b>Geometry X:</b> <b>Geometry Y:</b>	Ottawa  -76.0247 45.346
				<b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0966-522KBZ-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0966-522KBZ-14.pdf</a>	

# Unplottable Summary

Total: **10** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	D & H Rivington Enterprises Incorporated		Ottawa ON	
CA	ENVIROSAFE MEDICAL SERVICES, INC.	PT.BLK. 31, PLAN 4M-356,LOT 16	WEST CARLETON ON	
CA	REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	LOT 17, CONC. II, CARP VILL.	WEST CARLETON TWP. ON	
CA	WEST CARLETON TOWNSHIP	DONALD B. MUNRO DR.,CARP VILL.	WEST CARLETON TWP. ON	
CA	R.M. OF OTTAWA-CARLETON	LOT 17/CON.2H,CARP WATER SUP.	WEST CARLETON TWP. ON	
CA	R.M. OF OTTAWA-CARLETON	LOT 17/CON.2H, CARP WATER SUP.	WEST CARLETON TWP. ON	
CA	R.M. OF OTTAWA-CARLETON	LOT 17, CONC. 2H, CARP VILL.	WEST CARLETON TWP. ON	
ECA	Carp Retirement Propeties Inc.	Donald B. Munro Dr	Ottawa ON	K0A 1L0
WWIS		lot 16 con 2	ON	
WWIS		lot 16 con 2	ON	

# Unplottable Report

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**Site:** *D & H Rivington Enterprises Incorporated  
Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 8260-5LJQH5  
**Application Year:** 2003  
**Issue Date:** 6/9/2003  
**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:** *ENVIROSAFE MEDICAL SERVICES, INC.  
PT.BLK. 31, PLAN 4M-356,LOT 16 WEST CARLETON ON*

**Database:**  
*CA*

**Certificate #:** 8-4130-98-  
**Application Year:** 98  
**Issue Date:** //  
**Approval Type:** Industrial air  
**Status:** In progress  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** BROOKES GASIFICATION PROCESS  
**Contaminants:**  
**Emission Control:**

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**Site:** *REGIONAL MUNICIPALITY OF OTTAWA-CARLETON  
LOT 17, CONC. II, CARP VILL. WEST CARLETON TWP. ON*

**Database:**  
*CA*

**Certificate #:** 8-4117-91-  
**Application Year:** 91  
**Issue Date:** 6/5/1992  
**Approval Type:** Industrial air  
**Status:** Cancelled  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** DIESEL GENERATOR FOR SAN. PUMP STATION  
**Contaminants:**  
**Emission Control:**

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**Site:** *WEST CARLETON TOWNSHIP  
DONALD B. MUNRO DR.,CARP VILL. WEST CARLETON TWP. ON*

**Database:**  
*CA*

**Certificate #:** 3-0248-94-  
**Application Year:** 94

**Issue Date:** 4/18/1994  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
LOT 17/CON.2H,CARP WATER SUP. WEST CARLETON TWP. ON

**Database:**  
CA

**Certificate #:** 7-1049-93-  
**Application Year:** 93  
**Issue Date:** 2/7/1994  
**Approval Type:** Municipal water  
**Status:** Approved in 1994  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
LOT 17/CON.2H, CARP WATER SUP. WEST CARLETON TWP. ON

**Database:**  
CA

**Certificate #:** 3-1361-93-  
**Application Year:** 93  
**Issue Date:** 2/7/1994  
**Approval Type:** Municipal sewage  
**Status:** Approved in 1994  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
LOT 17, CONC. 2H, CARP VILL. WEST CARLETON TWP. ON

**Database:**  
CA

**Certificate #:** 8-4145-93-  
**Application Year:** 93  
**Issue Date:** 2/10/1994  
**Approval Type:** Industrial air  
**Status:** Approved in 1994  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** DIESEL GEN-SET FOR WATER RES./PUMP STA.  
**Contaminants:** Nitrogen Oxides  
**Emission Control:** No Controls

**Site:** Carp Retirement Properties Inc.  
Donald B. Munro Dr Ottawa ON K0A 1L0

**Database:**  
ECA

**Approval No:** 1547-9NVHVC  
**Approval Date:** 2014-09-12  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Carp Retirement Properties Inc.  
**Address:** Donald B. Munro Dr  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/3805-9NLPQG-14.pdf>

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

**Site:** lot 16 con 2 ON

**Database:**  
WWIS

**Well ID:** 1520450  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:**  
**Final Well Status:** Recharge Well  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 3/3/1986  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 3142  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** 15000  
**Site Info:**  
**Lot:** 016  
**Concession:** 02  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10042293  
**DP2BR:** 31.00  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 12-Feb-1986 00:00:00  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931044800  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE

**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 31.0  
**Formation End Depth:** 74.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931044798  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 79  
**Mat2 Desc:** PACKED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 9.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931044799  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 13  
**Mat3 Desc:** BOULDERS  
**Formation Top Depth:** 9.0  
**Formation End Depth:** 31.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961520450  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10590863  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930073808  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 32  
**Casing Diameter:** 6



Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930073809  
Layer: 2  
Material: 4  
Open Hole or Material: OPEN HOLE  
Depth From:  
Depth To: 74  
Casing Diameter: 6  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991520450  
Pump Set At:  
Static Level: 12.0  
Final Level After Pumping: 25.0  
Recommended Pump Depth: 30.0  
Pumping Rate: 40.0  
Flowing Rate:  
Recommended Pump Rate: 7.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 2  
Pumping Duration HR: 3  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934648951  
Test Type:  
Test Duration: 45  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934906031  
Test Type:  
Test Duration: 60  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934111942  
Test Type:  
Test Duration: 15  
Test Level: 25.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934386807  
Test Type:  
Test Duration: 30  
Test Level: 25.0  
Test Level UOM: ft

**Water Details**

**Water ID:** 933477695  
**Layer:** 2  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 72.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933477694  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 48.0  
**Water Found Depth UOM:** ft

**Site:** lot 16 con 2 ON **Database:**  
WWIS

<b>Well ID:</b> 1520451	<b>Data Entry Status:</b>
<b>Construction Date:</b>	<b>Data Src:</b> 1
<b>Primary Water Use:</b> Domestic	<b>Date Received:</b> 3/3/1986
<b>Sec. Water Use:</b>	<b>Selected Flag:</b> True
<b>Final Well Status:</b> Water Supply	<b>Abandonment Rec:</b>
<b>Water Type:</b>	<b>Contractor:</b> 3142
<b>Casing Material:</b>	<b>Form Version:</b> 1
<b>Audit No:</b>	<b>Owner:</b>
<b>Tag:</b>	<b>Street Name:</b>
<b>Construction Method:</b>	<b>County:</b> OTTAWA
<b>Elevation (m):</b>	<b>Municipality:</b> 15000
<b>Elevation Reliability:</b>	<b>Site Info:</b>
<b>Depth to Bedrock:</b>	<b>Lot:</b> 016
<b>Well Depth:</b>	<b>Concession:</b> 02
<b>Overburden/Bedrock:</b>	<b>Concession Name:</b>
<b>Pump Rate:</b>	<b>Easting NAD83:</b>
<b>Static Water Level:</b>	<b>Northing NAD83:</b>
<b>Flowing (Y/N):</b>	<b>Zone:</b>
<b>Flow Rate:</b>	<b>UTM Reliability:</b>
<b>Clear/Cloudy:</b>	

**Bore Hole Information**

<b>Bore Hole ID:</b> 10042294	<b>Elevation:</b>
<b>DP2BR:</b> 30.00	<b>Elevrc:</b>
<b>Spatial Status:</b>	<b>Zone:</b> 18
<b>Code OB:</b> r	<b>East83:</b>
<b>Code OB Desc:</b> Bedrock	<b>North83:</b>
<b>Open Hole:</b>	<b>Org CS:</b>
<b>Cluster Kind:</b>	<b>UTMRC:</b> 9
<b>Date Completed:</b> 15-Feb-1986 00:00:00	<b>UTMRC Desc:</b> unknown UTM
<b>Remarks:</b>	<b>Location Method:</b> na
<b>Elevrc Desc:</b>	
<b>Location Source Date:</b>	
<b>Improvement Location Source:</b>	
<b>Improvement Location Method:</b>	
<b>Source Revision Comment:</b>	
<b>Supplier Comment:</b>	

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931044802  
**Layer:** 2

**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 30.0  
**Formation End Depth:** 63.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931044801  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 30.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**  
**Use**

**Method Construction ID:** 961520451  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10590864  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930073811  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 63  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930073810  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 30  
**Casing Diameter:** 6  
**Casing Diameter UOM:** inch

Casing Depth UOM: ft

**Results of Well Yield Testing**

Pump Test ID: 991520451  
Pump Set At:  
Static Level: 14.0  
Final Level After Pumping: 22.0  
Recommended Pump Depth: 30.0  
Pumping Rate: 40.0  
Flowing Rate:  
Recommended Pump Rate: 7.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 2  
Pumping Duration HR: 2  
Pumping Duration MIN: 0  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934386808  
Test Type:  
Test Duration: 30  
Test Level: 22.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934111943  
Test Type:  
Test Duration: 15  
Test Level: 22.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934906032  
Test Type:  
Test Duration: 60  
Test Level: 22.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934648952  
Test Type:  
Test Duration: 45  
Test Level: 22.0  
Test Level UOM: ft

**Water Details**

Water ID: 933477696  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 61.0  
Water Found Depth UOM: ft



## Appendix: Database Descriptions

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

### **Abandoned Aggregate Inventory:**

Provincial

[AAGR](#)

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

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

### **Aggregate Inventory:**

Provincial

[AGR](#)

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

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

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

Provincial

[AMIS](#)

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

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

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

Private

[ANDR](#)

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

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

### **Aboveground Storage Tanks:**

Provincial

[AST](#)

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

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

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

Private

[AUWR](#)

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

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

### **Borehole:**

Provincial

[BORE](#)

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

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

**Certificates of Approval:**

Provincial CA

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

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

**Dry Cleaning Facilities:**

Federal CDRY

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

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

**Commercial Fuel Oil Tanks:**

Provincial CFOT

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

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

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

**Chemical Manufacturers and Distributors:**

Private CHEM

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

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

**Chemical Register:**

Private CHM

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

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

**Compressed Natural Gas Stations:**

Private CNG

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

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

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

Provincial COAL

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

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

**Compliance and Convictions:**

Provincial CONV

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

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

**Certificates of Property Use:**

Provincial CPU

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

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

**Drill Hole Database:**Provincial [DRL](#)

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

**Government Publication Date: 1886 - Sep 2020****Delisted Fuel Tanks:**Provincial [DTNK](#)

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

**Government Publication Date: May 31, 2021****Environmental Activity and Sector Registry:**Provincial [EASR](#)

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

**Government Publication Date: Oct 2011- Jun 30, 2021****Environmental Registry:**Provincial [EBR](#)

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

**Government Publication Date: 1994- Jun 30, 2021****Environmental Compliance Approval:**Provincial [ECA](#)

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

**Government Publication Date: Oct 2011- Jun 30, 2021****Environmental Effects Monitoring:**Federal [EEM](#)

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

**Government Publication Date: 1992-2007\*****ERIS Historical Searches:**Private [EHS](#)

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

**Government Publication Date: 1999-Jun 30, 2021****Environmental Issues Inventory System:**Federal [EIIS](#)

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

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

**Emergency Management Historical Event:**

Provincial **EMHE**

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

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

**Environmental Penalty Annual Report:**

Provincial **EPAR**

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

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

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

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

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

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

**Federal Convictions:**

Federal **FCON**

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

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

**Contaminated Sites on Federal Land:**

Federal **FCS**

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

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

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

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

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

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

Federal **FRST**

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

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

**Fuel Storage Tank:**

Provincial **FST**

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

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

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



**Fuel Storage Tank - Historic:**

Provincial

[FSTH](#)

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

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

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

[GEN](#)

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

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

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

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

**TSSA Historic Incidents:**

Provincial

[HINC](#)

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

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

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

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

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

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

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

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

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

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

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

**Canadian Mine Locations:**

Private

[MINE](#)

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

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

**Mineral Occurrences:**

Provincial [MNR](#)

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

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

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

Federal [NATE](#)

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

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

**Non-Compliance Reports:**

Provincial [NCPL](#)

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

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

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

Federal [NDFT](#)

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

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

**National Defense & Canadian Forces Spills:**

Federal [NDSP](#)

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

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

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

Federal [NDWD](#)

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

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

**National Energy Board Pipeline Incidents:**

Federal [NEBI](#)

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

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

**National Energy Board Wells:**

Federal [NEBP](#)

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

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

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

Federal

NEES

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

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

**National PCB Inventory:**

Federal

NPCB

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

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

**National Pollutant Release Inventory:**

Federal

NPRI

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

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

**Oil and Gas Wells:**

Private

OGWE

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

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

**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

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

**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

**Orders:**

Provincial

ORD

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

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

**Canadian Pulp and Paper:**

Private

PAP

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

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

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

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

**Pesticide Register:**

Provincial PES

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

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

**Pipeline Incidents:**

Provincial PINC

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

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

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

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

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

**Permit to Take Water:**

Provincial PTTW

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

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

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

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

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

**Record of Site Condition:**

Provincial RSC

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

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

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

**Retail Fuel Storage Tanks:**

Private RST

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

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

**Scott's Manufacturing Directory:**

Private SCT

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

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

**Ontario Spills:**

Provincial SPL

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

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



**Wastewater Discharger Registration Database:**

Provincial [SRDS](#)

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

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

**Anderson's Storage Tanks:**

Private [TANK](#)

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

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

**Transport Canada Fuel Storage Tanks:**

Federal [TCFT](#)

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

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

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

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

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

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

Provincial [WDS](#)

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

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

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

Provincial [WDSH](#)

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

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

**Water Well Information System:**

Provincial [WWIS](#)

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

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

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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

## Ministry of the Environment, Conservation and Parks

### Freedom of Information Request for Property Information

#### Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (\*) are mandatory.

**Are you: \***

- Submitting a new FOI Request for Property Information
- Paying a deposit or final fee for an existing FOI Request for Property Information

#### Section 1 – Description of Records Requested

##### Time Period for Records Requested

From (yyyy/mm/dd) \*

1986/01/01

To (yyyy/mm/dd) \*

2021/08/17

##### Type of Record(s) \*

- All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations
- Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:

<https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en>.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at:  
<https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>
- RSC records filed after July 2011 are available at:  
[https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc\\_search?request\\_locale=en](https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en)

Other Specific Document(s)

##### Type of Approval/Registration \*

- Drinking Water Licenses
- No Supporting Documents  All Supporting Documents  Some Supporting Documents
- Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Permits to Take Water

Noise Vibrations Approvals/Registrations

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Air Emissions Approvals/Registrations

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Waste Water - Industrial discharge

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

No Supporting Documents  All Supporting Documents  Some Supporting Documents

Company Name

Paterson Group

Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

na

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

na

## Section 2 – Requester Information

Last Name \*

Drieschner

First Name \*

Beau

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") \*

Paterson Group

Project/Reference Number (if applicable)

PE5411

Are you submitting this request on behalf of a client? \*

Yes  No

Please upload an authorization/consent form from your client in Section 6 (Supporting Documentation)

### Name of Client

Last Name \*

Pierre

First Name \*

Dufresne

Business/Organization Name (if applicable or indicate "N/A") \*

Tartan Land Corporation

### Mailing Address

Unit Number

Street Number \*

Street Name \*

154

Colonnade Road South

PO Box

City/Town \*

Province \*

Postal Code \*

Ottawa

ON

K2E 7J5

Telephone Number \*

613-219-4085

ext.

Email Address \*

bdrieschner@patersongroup.ca

Is there an alternate contact (e.g. office admin)? \*

Yes  No

## Section 3 – Current Property Address Information

Is the property a:

Park  Lake  First Nation Band  Wind Farm  Federal Land  Island  Unsurveyed Land

Are you requesting information about multiple addresses? \*

Yes  No

### Property Address

Unit Number

Street Number

Street Name

224

Donald B Munro Drive

Full Lot Number

Concession

Geographic Township

17

2

Carp

City/Town/Village \*

Carp

Closest Intersection

Donald B Munro Dr. and Meadowridge Cir.

## Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? \*

Yes  No

## Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.



**Current Property Owner/Tenant**

224 Donald B Munro Drive  
Lot 17 Conc 2 Carp  
Carp

Owner Name

Douglas Gordon Rivington

Date of Ownership (yyyy/mm/dd)

1986/01/01

Tenant Name

Pierre Dufresne

## Section 6 – Supporting Documents

Please attach an authorization/consent form.

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Property ownership.pdf

2. File Name

Site location.pdf

Total File Size

2.22 MB

Payment confirmation number: 21722185

## Beau Drieschner

---

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** August 17, 2021 11:18 AM  
**To:** Beau Drieschner  
**Subject:** RE: Record Search Request (PE5411)

**Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.**

### NO RECORD FOUND

Hello Beau,

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,

Mariah



### **Public Information Agent**

Facilities and Business Services  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)

[www.tssa.org](http://www.tssa.org)



---

**From:** Beau  
Drieschner

<bdrieschner@Patersongroup.ca>

**Sent:** August 17, 2021 8:33 AM

**To:** Public Information Services <publicinformationsservices@tssa.org>

**Subject:** Record Search Request (PE5411)

**[CAUTION]:** This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

Could you please complete a search of your records for **underground/aboveground storage tanks, historical spills, or other incidents/infractions** for the address of;

224 Donald B Munro Drive  
Carp, Ontario.

Thank you,

Beau

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.

Office Use Only

Application Number: _____	Ward Number: _____	Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____	Fee Received: \$	_____



# Historic Land Use Inventory

## Application Form

### Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

### Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

### Background Information

\*Site Address or Location:   
\* Mandatory Field

### Applicant/Agent Information:

Name:   
Mailing Address:   
Telephone:  Email Address:

### Registered Property Owner Information:

Same as above

Name:   
Mailing Address:   
Telephone:  Email Address:



### Site Details

Legal Description and PIN:

Part of lot 17, concession 2, geographic township of Huntley, In the city of Ottawa

What is the land currently used for?

Vacant

Lot frontage:  m Lot depth:  m Lot area: \_\_\_\_\_ m<sup>2</sup>

OR Lot area: (irregular lot)  m<sup>2</sup>

Does the site have Full Municipal Services:  Yes  No

### Required Fees

Please don't hesitate to visit [the Historic Land Use Inventory website](#) more information. Fees must be paid in full at the time of application submission.

Planning Fee

\$ 128.<sup>00</sup>  
~~\$100.00~~

### Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- 3.** A site plan or key plan of the property, its location and particular features.
- 4.** Any significant dates or time frames that you would like researched.



**Disclaimer**  
**For use with HLUI Database**

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: \_\_\_\_\_



Dated (dd/mm/yyyy): 19/08/2021

Per: Beau Drieschner

(Please print name)

Title: Environmental Sci

Company: Paterson Group





**Consulting Engineers**

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

August 17, 2021  
File: PE5411-LET.01

**City of Ottawa**  
110 Laurier Avenue W  
Ottawa, Ontario  
K1P 1J1

Geotechnical Engineering  
Environmental Engineering  
Hydrogeology  
Geological Engineering  
Materials Testing  
Building Science  
Archaeological Services

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

**Subject: Authorization Letter, HLUI Search  
Phase I-Environmental Site Assessment  
224 Donald B Munro Drive,  
Carp, Ontario**

Dear Sir or Madame,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

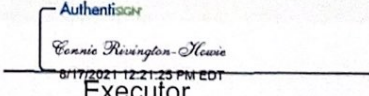
With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

**Name of Company/Property Owner:** Estate of Douglas Gordon Rivington  

---

**Name of Representative:** *Peter DeFina*  

---

**Authorization of Representative:**   
Cecile Rivington-Howie  
8/17/2021 12:21:23 PM EDT  
Executor

**Date:** 8/17/21  

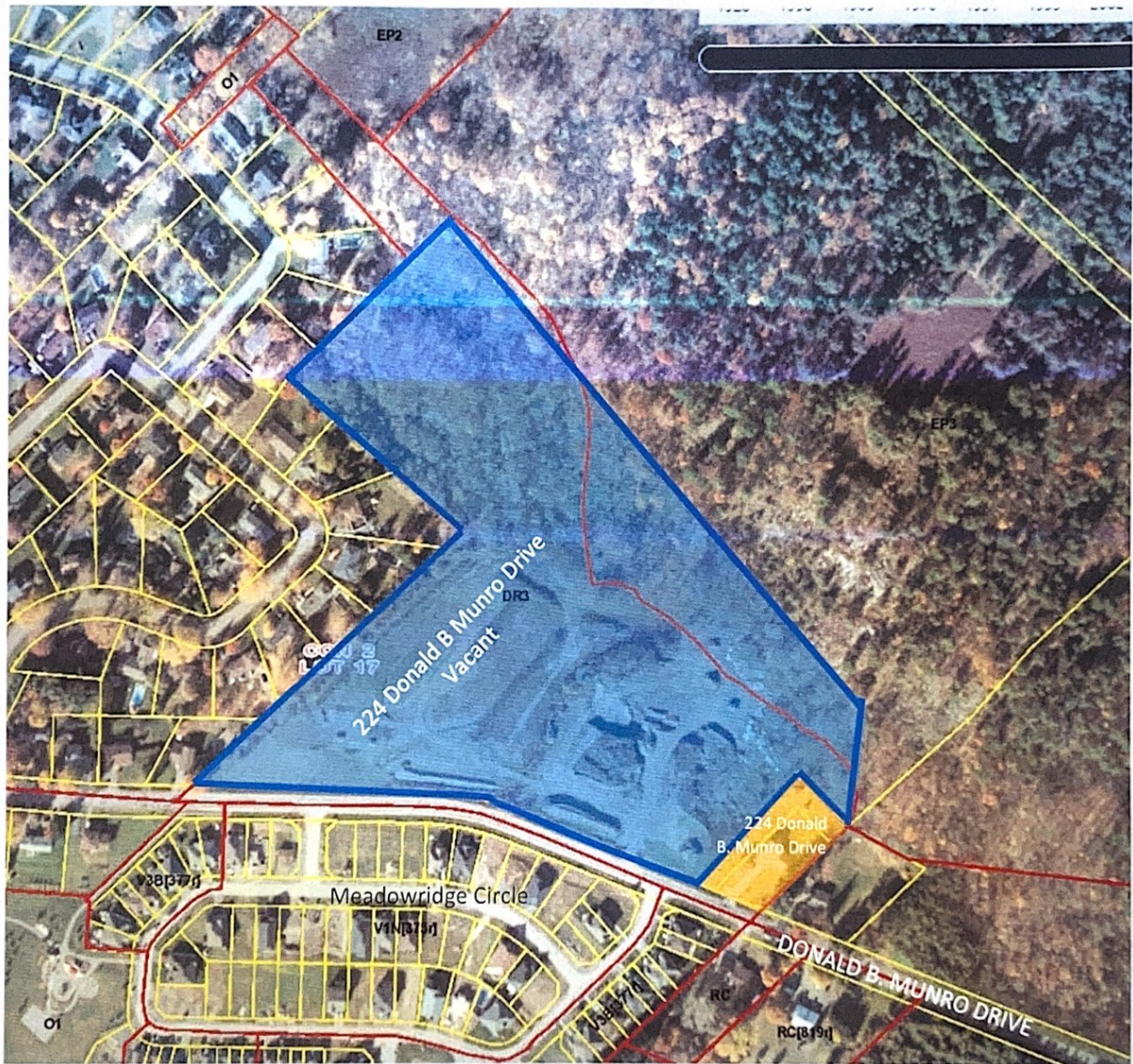
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Ottawa

Kingston

North Bay





 - Area of interest



GROUND WATER BRANCH  
 15 No. 1962  
 SEP 5 1962  
 ONTARIO WATER RESOURCES COMMISSION

UTM 18 Z 419650 E

5 R 5021570 N

Elev. 5 R 0345

Basin 25 Carleton

County or District Carleton Con. 11 Lot 17

Township, Village, Town or City Huntley

Date completed 5 (day) June (month) 62 (year)

Address Carp Ont

# WATER WELL RECORD

## Casing and Screen Record

Inside diameter of casing 5"  
 Total length of casing 97'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

## Pumping Test

Static level 70'  
 Test-pumping rate 10 G.P.M.  
 Pumping level 100'  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test cloudy  
 Recommended pumping rate 9 G.P.M.  
 with pump setting of 130' feet below ground surface

## Well Log

### Overburden and Bedrock Record

sandy clay  
course sand  
fine sand  
blue lime

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0 40  
40 80  
80 94  
94 165

125  
160

fresh  
"

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

household

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

upland

Drilling or Boring Firm

Capital Water Supply

Address

1243 Heron Rd Ottawa

Licence Number

482

Name of Driller or Borer

M Kavanagh

Address

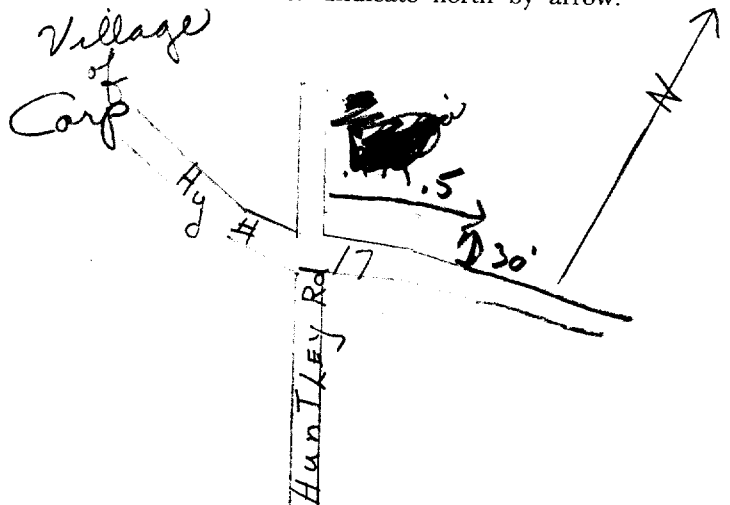
Date

5 June 62

Halter Kavanagh  
 (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.







240  
M 18 Z 4 2 0 2 0 0 E

5 R 5 0 2 1 3 8 0 N

Elev. 4 R 0 3 6 0

Basin 2 5 | Carl  
County or District

Con. 2 Lot 1 6

Township, Village, Town or City  
Date completed 18 Feb 64  
(day month year)

Address Crystal Bay

GROUND WATER No. 3074  
MAR 17 1964  
ONTARIO WATER RESOURCES  
Huntley

# WATER WELL RECORD

The Ontario Water Resources Commission Act

## Casing and Screen Record

Inside diameter of casing 5"  
Total length of casing 39  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5"

## Pumping Test

Static level 24  
Test-pumping rate 8 G.P.M.  
Pumping level 40  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test cloudy  
Recommended pumping rate 8 G.P.M.  
with pump setting of 70 feet below ground surface

## Well Log

### Overburden and Bedrock Record

sand  
clay  
gravel  
sandstone  
limestone

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

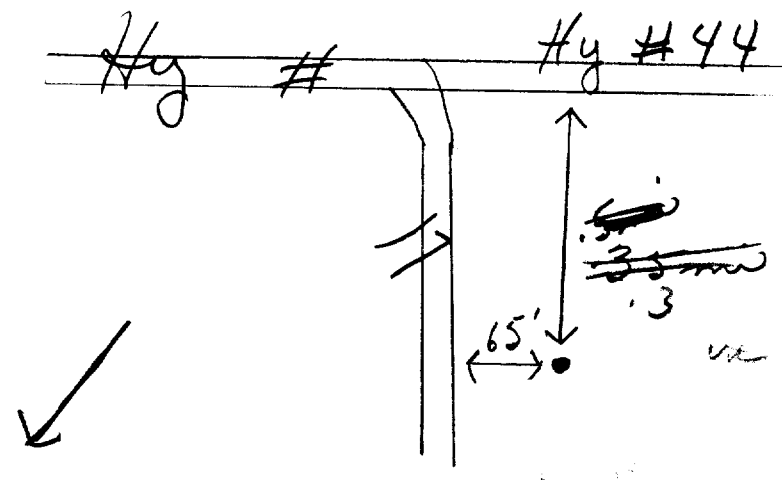
0 10  
10 25  
25 29  
29 90  
90 108

107 fresh

For what purpose(s) is the water to be used? new house  
Is well on upland, in valley, or on hillside? upland  
Drilling or Boring Firm Capital Water Supply  
Address 1243 Heron Rd Ottawa  
Licence Number 1223  
Name of Driller or Borer M Kavanagh  
Address  
Date Feb 19 1964  
Walter Kavanagh  
(Signature of Licensed Drilling or Boring Contractor)

## Location of Well

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





# WATER WELL RECORD

1510349

Water management in Ontario

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

11

MUNICIP. 15005

CON. CPM

02

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Huntley</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>2</b>	LOT <b>017</b>
DATE COMPLETED DAY <b>10</b> MO. <b>Nov</b> YR. <b>69</b>			
ING <b>021520</b>	RC <b>4</b>	ELEVATION <b>0340</b>	RC <b>5</b>
BASIN CODE <b>25</b>			

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay	Silt	Packed	0'	45'
Blue	Clay	Sand	loose	45'	90'
Brown	Sand	Silt	loose	90'	110'
Brown	Medium Sand		Packed	110	140'
Grey	Sand		Hard Packed	140	150
Grey	Gravel			150	151

31	004560506	009030509	011060906	0140609	0150209	0151211
32						

**41 WATER RECORD**

WATER FOUND AT FEET	KIND OF WATER
10-13 <b>0151'</b>	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
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	2 1/8	0	150'
6 1/4	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		151	151
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

**SCREEN**

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

**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 type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE <b>0018</b> GPM	DURATION OF PUMPING 15-16 HOURS <b>00</b> MINS.
STATIC LEVEL <b>030</b> FEET	WATER LEVEL END OF PUMPING <b>045</b> FEET	WATER LEVELS DURING 15 MINUTES <b>045</b> FEET 30 MINUTES <b>045</b> FEET 45 MINUTES <b>045</b> FEET 60 MINUTES <b>045</b> 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 <b>090</b> FEET	RECOMMENDED PUMPING RATE <b>0010</b> GPM
50-53 <b>001.2</b> GPM./FT. SPECIFIC CAPACITY		

**FINAL STATUS OF WELL**

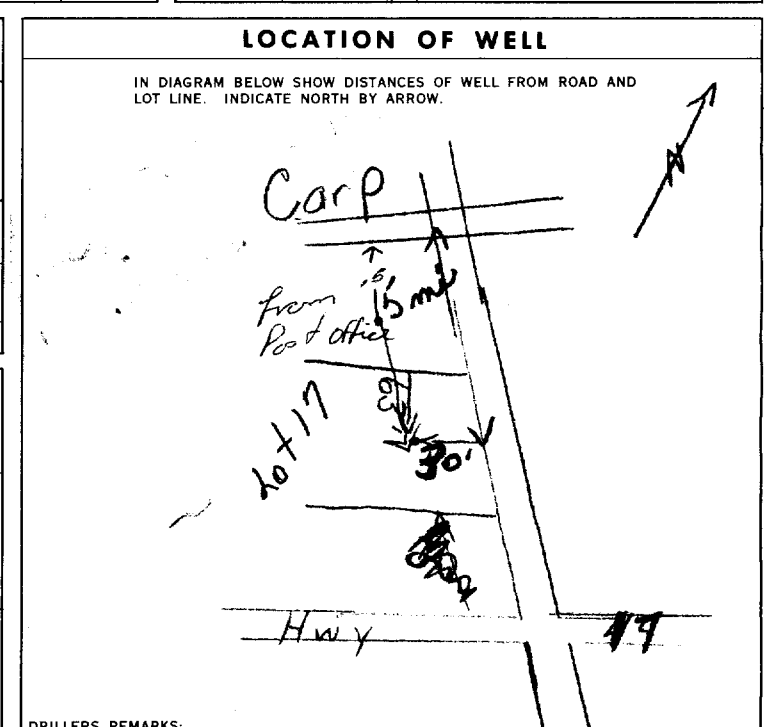
1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED, POOR QUALITY 7 <input type="checkbox"/>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

**WATER USE**

1 <input checked="" type="checkbox"/> DOMESTIC 2 <input 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
--	--

**METHOD OF DRILLING**

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



**CONTRACTOR**

NAME OF WELL CONTRACTOR <b>Capital Water Supply</b>	LICENCE NUMBER <b>3216</b>
ADDRESS <b>14 Ashford Dr Ottawa</b>	
NAME OF DRILLER OR BORER <b>Ken Burrows</b>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <b>Walter Kwanash</b>	SUBMISSION DATE DAY _____ MO. _____ YR. _____

**OFFICE USE ONLY**

DATA SOURCE <b>1</b>	CONTRACTOR <b>1503</b>	DATE RECEIVED <b>291269</b>
DATE OF INSPECTION	INSPECTOR <b>G P/S</b>	
REMARKS:		



1510502

31F/8a Km

DIVISION OF WATER RESOURCES  
FEB 16 1970  
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

# WATER WELL RECORD

182 419900  
4R 5021570  
5R 0360  
215

County or District Carleton Township, Village, Town or City Carleton Place  
Con. 2 Lot 39 Date completed 20 May 1969  
(day month year)  
Owner Pipelford Martin Ltd. Address Carp  
(print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 6 1/4"  
Total length of casing 10'  
Type of screen ✓  
Length of screen ✓  
Depth to top of screen ✓  
Diameter of finished hole 6"

Static level 8'  
Test-pumping rate 5 G.P.M.  
Pumping level 120'  
Duration of test pumping 2 hrs.  
Water clear or cloudy at end of test clear  
Recommended pumping rate 5 G.P.M.  
with pump setting of 130 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>Black granite</u>	<u>0</u>	<u>136</u>	<u>41</u> <u>135</u>	<u>fresh</u>

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

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

Drilling or Boring Firm A. Stanton

Address Pakenham

Licence Number 3389

Name of Driller or Borer S.M.C.

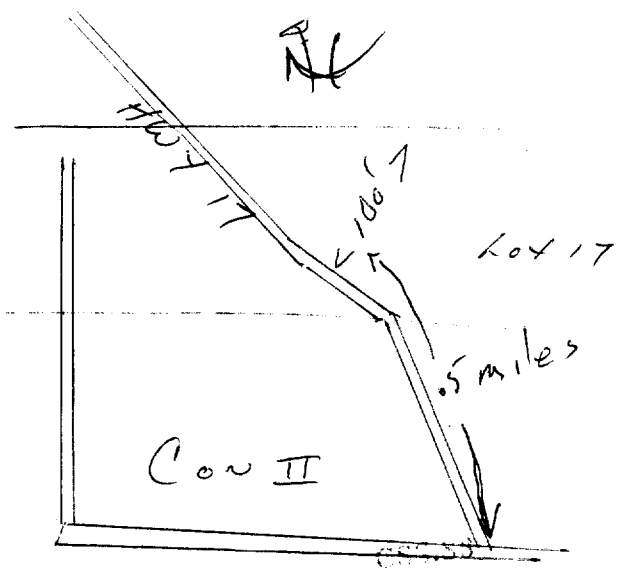
Address  

Date May 20/69

Austin Stanton  
(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.





31F/8a

# WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK  CORRECT BOX WHERE APPLICABLE

11 | 1510510 |

MUNICIP. 15005

CON. C&N

02

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Huntley CON., BLOCK, TRACT, SURVEY, ETC.: 2 LOT: 17

OWNER (SURNAME, FIRST, MIDDLE, INITIAL): Woodroffe Ottawa ADDRESS: [REDACTED] DATE COMPLETED: DAY 02 MO. 09 YR. 69

DEPTH: 214.10 ELEVATION: 0355 RC: 7 BASIN CODE: 25

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>Black</u>	<u>granite</u>		<u>very hard</u>	<u>0</u>	<u>407</u>

31 | 04078 | 211

32

#### 41 WATER RECORD

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

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>06</u>	<input checked="" type="checkbox"/> STEEL	<u>188</u>	<u>0</u>	<u>0030</u>
<u>06</u>	<input checked="" type="checkbox"/> CONCRETE			<u>0407</u>

#### SCREEN

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

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

#### 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	
34-80	

#### 71 PUMPING TEST

PUMPING TEST METHOD:  PUMP  BAILER

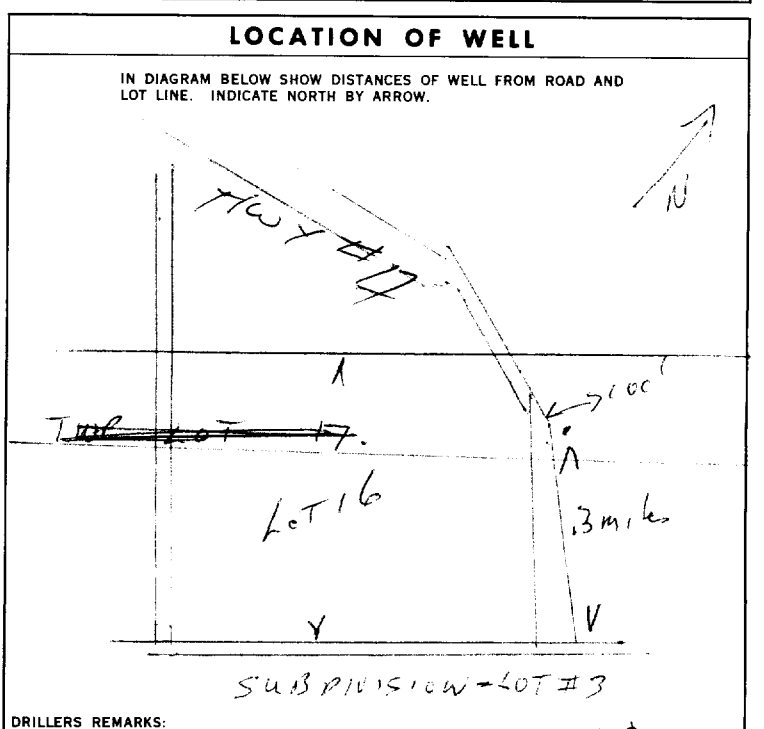
PUMPING RATE: 0005 GPM. DURATION OF PUMPING: 02 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
<u>015</u> FEET	<u>200</u> FEET	<u>068</u> FEET	<u>090</u> FEET	<u>150</u> FEET	<u>200</u> FEET

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 220 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.



#### FINAL STATUS OF WELL

WATER SUPPLY

OBSERVATION WELL

TEST HOLE

RECHARGE WELL

ABANDONED, INSUFFICIENT SUPPLY

ABANDONED, POOR QUALITY

UNFINISHED

#### WATER USE

DOMESTIC

STOCK

IRRIGATION

INDUSTRIAL

OTHER

COMMERCIAL

MUNICIPAL

PUBLIC SUPPLY

COOLING OR AIR CONDITIONING

NOT USED

#### METHOD OF DRILLING

CABLE TOOL

ROTARY (CONVENTIONAL)

ROTARY (REVERSE)

ROTARY (AIR)

AIR PERCUSSION

BORING

DIAMOND

JETTING

DRIVING

#### CONTRACTOR

NAME OF WELL CONTRACTOR: Austin Stanton LICENCE NUMBER: 3389

ADDRESS: Pakenham

NAME OF DRILLER OR BORER: same LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: Austin Stanton SUBMISSION DATE: DAY 02 MO. 09 YR. 69

#### OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4806 DATE RECEIVED: 170270

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

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



# WATER WELL RECORD

CODED

1510553

31F8a

Water management in Ontario

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

11

MUNICIP.

COUNTY OR DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Huntley CON., BLOCK, TRACT, SURVEY, ETC.: 2 LOT: 17618

OWNER (SURNAME FIRST): Julius Conroy Ltd ADDRESS: Richmond Ont DATE COMPLETED: DAY 7 MO. 1 YR. 70

UTM ZONE: 18 EASTING: 419518 NORTHING: 5021560 RC: 4 ELEVATION: 0340 RC: 5 BASIN CODE: 251

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BLUE	CLAY		SOFT	0	25
GREY	CLAY	SAND	SOFT	25	65
GREY	SAND		PACKED	65	140
GREY	GRAVEL	FINE SAND	PACKED	140	153
WHITE	SANDSTONE		HARD	153	208
YELLOW	SANDSTONE		HARD	208	248
<u>Yellow Red + Blue Humped</u>	<u>Resistone</u>	<b>APL</b>	<u>soft</u>	248	294
RED	GRANITE		SOFT	294	315

31 \_\_\_\_\_

32 \_\_\_\_\_

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
189	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
204	1 <input checked="" 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
6 1/4	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE	2 1/4	0	160
6	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		160	315

### SCREEN

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

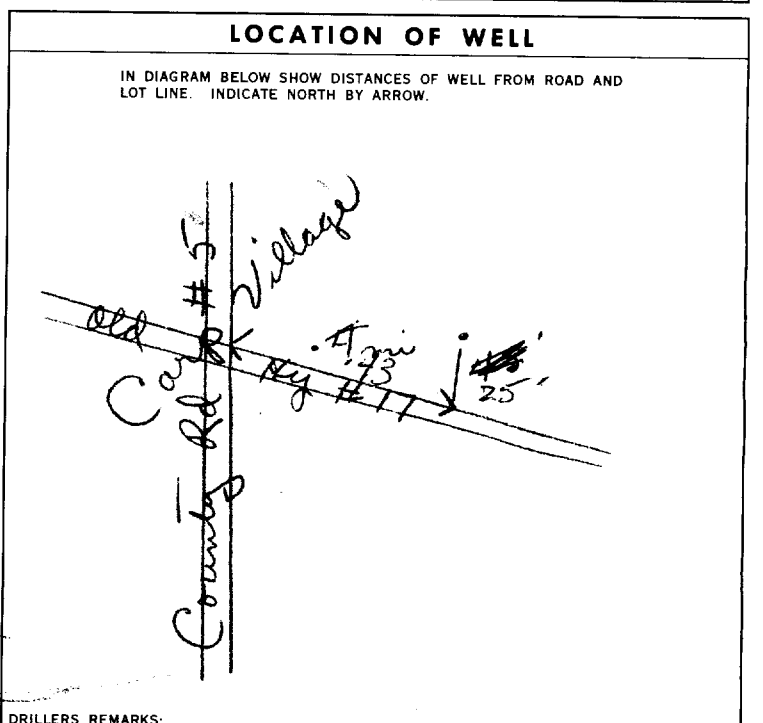
### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	
18-21	
26-29	

### 71 PUMPING TEST

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

50-53 \_\_\_\_\_ GPM./FT. SPECIFIC CAPACITY



### FINAL STATUS OF WELL

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

### WATER USE

55-56 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

57 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 LICENCE NUMBER: 1538 3216  
 ADDRESS: 14 Ashford Dr. Ottawa 6  
 NAME OF DRILLER OR BORER: H. BROWN LICENCE NUMBER: \_\_\_\_\_  
 SIGNATURE OF CONTRACTOR: Walter Lavanagh SUBMISSION DATE: \_\_\_\_\_

### OFFICE USE ONLY

DATA SOURCE: \_\_\_\_\_ CONTRACTOR: \_\_\_\_\_ DATE RECEIVED: 100470  
 DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: [Signature]  
 REMARKS: \_\_\_\_\_





# WATER WELL RECORD

31F8a

Ontario

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

(11) 1516011-

MUNICIPALITY 15005 CON

02

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>West Carleton (Huntley)</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>2</b>	LOT <b>017</b>
OWNER (SURNAME FIRST) <b>R.J. St. John Constr.</b>	ADDRESS <b>R.R. # 3 CARP, Ontario</b>	DATE COMPLETED DAY <b>03</b> MO <b>06</b> YR <b>77</b>	

## 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	20
gray	clay		packed, dry	20	80
gray	sand	clay & stones	loose	60	125
gray	sand	boulders	hard packed	125	153
white	sandstone		medium hard	153	200

31 002060579 00602057968 01252280512 01532281379 020011873

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	<input checked="" type="checkbox"/> STEEL	188	0	0154
17-18	<input checked="" type="checkbox"/> GALVANIZED		154	161
24-25	<input checked="" type="checkbox"/> GALVANIZED		161	0200

SCREEN

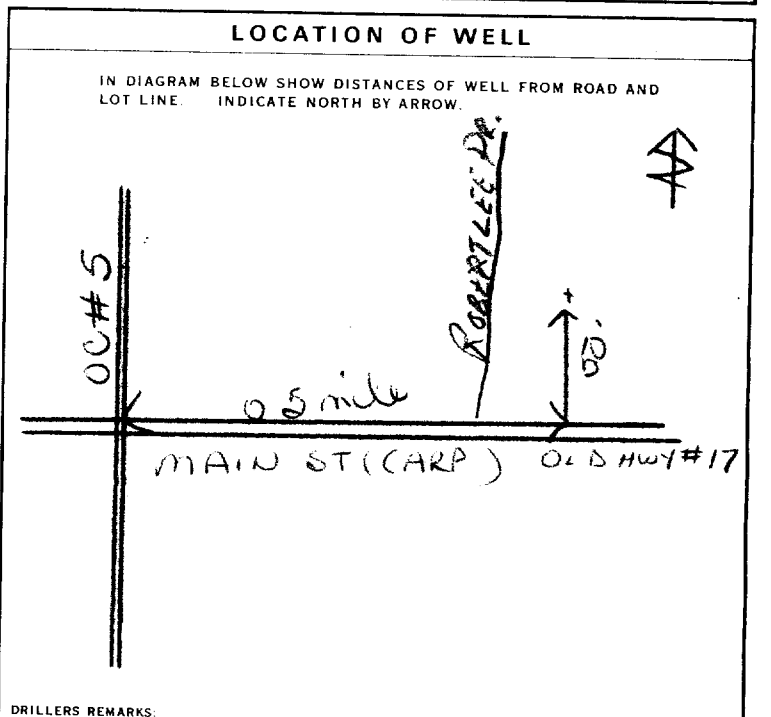
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

1 <input type="checkbox"/> PUMP	2 <input checked="" type="checkbox"/> BAILER	10 PUMPING RATE GPM <b>0020</b>	11-14 DURATION OF PUMPING HOURS <b>00</b> MINS
19-21 STATIC LEVEL FEET <b>042</b>	22-24 WATER LEVEL END OF PUMPING FEET <b>060</b>	25 WATER LEVELS DURING	
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT	
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP		RECOMMENDED PUMP SETTING FEET <b>075</b>	RECOMMENDED PUMPING RATE GPM <b>0005</b>



54 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	

55-56 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

57 METHOD OF DRILLING

<input type="checkbox"/> CABLE TOOL	<input type="checkbox"/> BORING
<input checked="" 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 type="checkbox"/> AIR PERCUSSION	

CONTRACTOR

NAME OF WELL CONTRACTOR <b>Capital Water Supply Ltd.</b>	LICENCE NUMBER <b>1558</b>
ADDRESS <b>Box 490 Stittsville, Ontario</b>	
NAME OF DRILLER OR BORER <b>Moore</b>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>[Signature]</i>	SUBMISSION DATE DAY <b>7</b> NO. <b>6</b> YR <b>77</b>

OFFICE USE ONLY

DATA SOURCE <b>1</b>	CONTRACTOR <b>1558</b>	DATE RECEIVED <b>15-08-77</b>
DATE OF INSPECTION <b>MAY 26/78</b>	INSPECTOR <b>Km DN</b>	
REMARKS <b>NEW 2 STOREY BROWN BRICK HOUSE</b>		P <input checked="" type="checkbox"/> WI



Ministry of the Environment

Ontario **S.P.M.**

The Ontario Water Resources Act

31F8a

# WATER WELL RECORD

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

11

1516153

15005

CON

02

COUNTY OR DISTRICT <b>Carleton Place</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Stentley</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>2 II</b>	LOT <b>017</b>
CITY, TOWN, VILLAGE <b>Ottawa</b>			DATE COMPLETED DAY <b>10</b> MO <b>09</b> YR <b>77</b>
GRID <b>21699</b>	RC <b>4</b>	ELEVATION <b>0440</b>	RC <b>4</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
<b>Brown</b>	<b>Loam</b>			<b>0</b>	<b>10</b>
<b>White</b>	<b>Limestone</b>			<b>10</b>	<b>225</b>

31 **0010602** **0225115**

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13 <b>0215</b>	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
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	<b>188</b>	0-10022
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		27-30

**SCREEN**

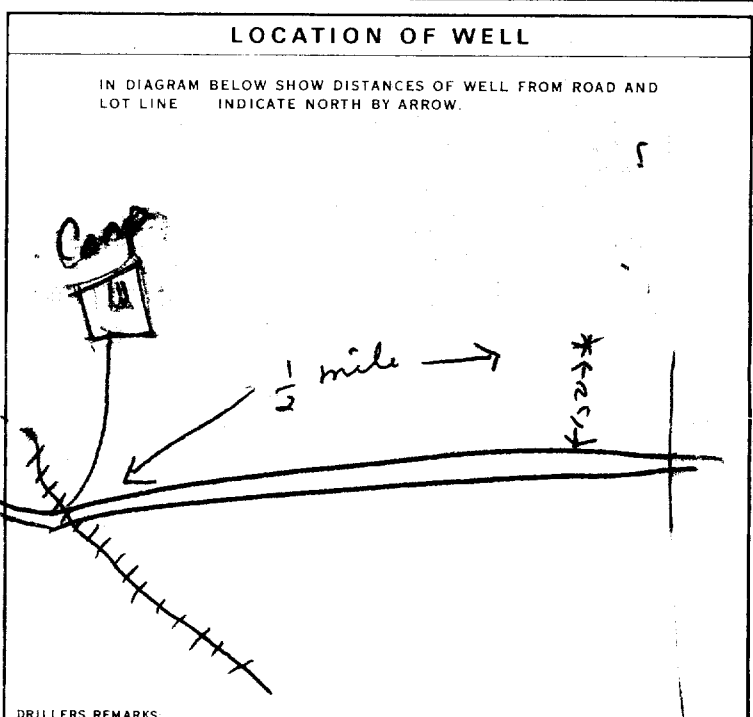
SIZE (S) OF OPENING (SLOT NO)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		41-44 FEET

**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 GPM <b>01</b>	DURATION OF PUMPING 15-16 HOURS <b>00</b> 17-18 MINS
STATIC LEVEL 19-21 <b>020</b> FEET	WATER LEVEL END OF PUMPING 22-24 <b>205</b> FEET	WATER LEVELS DURING 1 <input checked="" type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 38-41 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 <b>210</b> FEET	RECOMMENDED PUMPING RATE 46-49 <b>0007</b> GPM



**FINAL STATUS OF WELL** **1**

**WATER USE** **17**

**METHOD OF DRILLING** **4**

**CONTRACTOR**

NAME OF WELL CONTRACTOR  
**Saunders Well Drilling**

LICENCE NUMBER  
**4767**

ADDRESS  
**RR#2 Orpington**

NAME OF DRILLER OR BORE  
**G. Boutin**

LICENCE NUMBER

SIGNATURE OF CONTRACTOR  
**R. Saunders**

SUBMISSION DATE  
DAY **10** MO **Sept** YR **77**

**OFFICE USE ONLY**

DATA SOURCE  
**1**

CONTRACTOR  
**4767**

DATE RECEIVED  
**130977**

DATE OF INSPECTION

INSPECTOR

REMARKS:



Ontario

# WATER WELL RECORD

31 F 8a

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

11 1516272

MUNICIPALITY 15005 CON. CN 02

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>West Carleton (Huntley)</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>2</b>	LOT <b>017</b>
---------------------------------------	--	---	-------------------

DATE COMPLETED 48-53  
DAY **20** MO. **10** YR. **77**

DEPTH **021520** ELEVATION **0330** BASIN CODE **4 26**

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand	boulders	loose	0	8
grey	clay	sand	soft	8	60
grey	sand	clay	packed	60	130
grey-red	sand	stones	hard packed	130	153
white	sandstone			153	196

31 00086281377 00602052885 01302280579 01532281273 0196118

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13 <b>0196</b>	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
06-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0154
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		154	165
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		165	196
				0196

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT LEAD PACKER, ETC.)
10-13		
18-21		
26-29		

**71 PUMPING TEST METHOD**

1  PUMP 2  BAILER

PUMPING RATE **0030** GPM

DURATION OF PUMPING **03** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING					
19-21 <b>035</b>	22-24 <b>045</b>	15 MINUTES <b>045</b>	30 MINUTES <b>045</b>	45 MINUTES <b>045</b>	60 MINUTES <b>045</b>	75 MINUTES <b>045</b>	90 MINUTES <b>045</b>

IF FLOWING, GIVE RATE **035** GPM

PUMP INTAKE SET AT **075** FEET

WATER AT END OF TEST **0005** GPM

RECOMMENDED PUMP TYPE  SHALLOW  DEEP

RECOMMENDED PUMP SETTING **075** FEET

RECOMMENDED PUMPING RATE **0005** GPM

**LOCATION OF WELL**

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

0.5 mile

66'

DRILLER'S REMARKS: **OC#5** **ROBERT LEE DR.**

**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: **Capital Water Supply Ltd.** LICENCE NUMBER: **1558**

ADDRESS: **Box 490 Stittsville, Ontario**

NAME OF DRILLER OR BORER: **J. Moore** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **21** MO. **10** YR. **77**

**OFFICE USE ONLY**

DATA SOURCE: **1 1558** CONTRACTOR: **171177** DATE RECEIVED: \_\_\_\_\_

DATE OF INSPECTION: **MAY 26/75** INSPECTOR: **K DN**

REMARKS: **2 STOREY WHITE WOOD SIDING HOUSE WITH ATTACHED GARAGE**

P  WI

# WATER WELL RECORD

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

11 1516565 15005 Cdn 02

COUNTY OR DISTRICT: Carleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Huntly CON., BLOC., TRACT, SURVEY, ETC.: 2 Westwood Estates LOT: 10017

OWNER (SURNAME FIRST): Mr J.E. Constant ADDRESS: Richmond Ont. DATE COMPLETED: DAY 26 MO 05 YR 78

ZONE: 18 EASTING: 420300 NORTHING: 5021800 RC: 5 ELEVATION: 0425 RC: 5 BASIN CODE: 26

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>grey</u>	<u>sand</u>			<u>0</u>	<u>7</u>
<u>black</u>	<u>granite</u>		<u>hard</u>	<u>7</u>	<u>44</u>

31 00078228 004782173

32

41 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	<u>189</u>	<u>0</u>	<u>21</u>
17-18	1 <input type="checkbox"/> STEEL			
24-25	1 <input type="checkbox"/> STEEL			

SCREEN

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

MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

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  PUMP 2  BAILER

PUMPING RATE: 00/0 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
<u>030</u>	<u>040</u>	15 MINUTES: <u>040</u>	30 MINUTES: <u>040</u>	45 MINUTES: <u>040</u>	60 MINUTES: <u>040</u>

IF FLOWING, GIVE RATE: \_\_\_\_\_ GPM

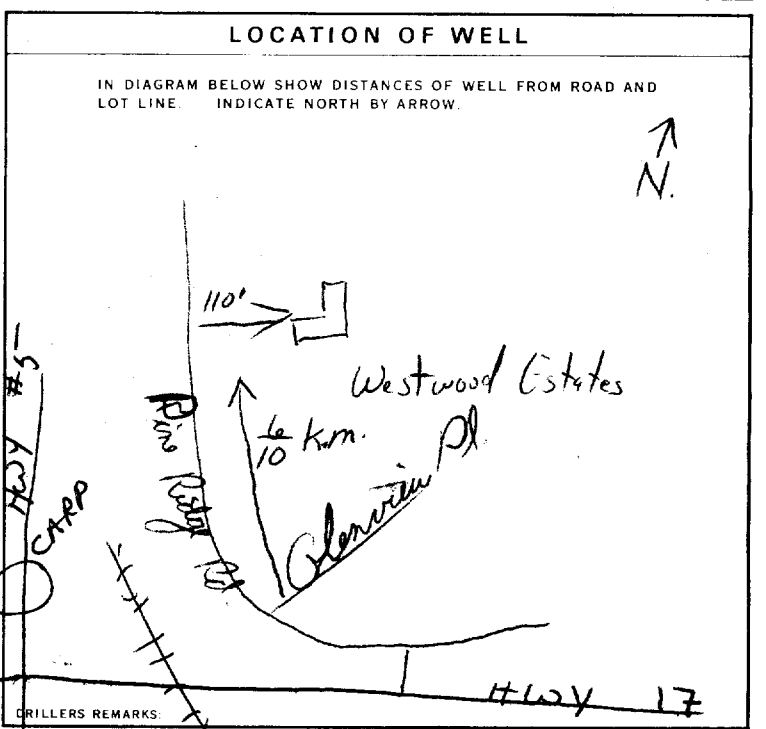
PUMP INTAKE SET AT: \_\_\_\_\_ FEET

WATER AT END OF TEST: 1  CLEAR 2  CLOUDY

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 042 FEET

RECOMMENDED PUMPING RATE: 0006 GPM



FINAL STATUS OF WELL: 1  WATER SUPPLY

WATER USE: 1  DOMESTIC

METHOD OF DRILLING: 5  AIR PERCUSSION

CONTRACTOR: Henry Mains Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont.

NAME OF DRILLER OR BORER: Henry Mains LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY 29 MO 5 YR 78

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3644 DATE RECEIVED: 120778

DATE OF INSPECTION: 106179 INSPECTOR: LS Km

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





Ontario

# WATER WELL RECORD

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

11 1516716

MUNICIP. 15005

CON. CEN

132

COUNTY OR DISTRICT  
CARLETON

TOWNSHIP, BOROUGH, VILLAGE, TWP.  
HURON VILLAGE TWP.

CON. BLOCK, TRACT, SURVEY, ETC.

1018

CARP ONTARIO

DATE COMPLETED  
DAY 15 NO 07 YR 78

RC 21499 RC 4 ELEVATION 0330 RC 4 BASIN CODE 26

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
GREY	CLAY		SOFT	0	75
BROWN / GREY	SAND	CLAY GRAVEL	HARD	75	96
	GRAVEL	SAND	HARD	96	97
(WATER FOUND) AT 97'					

31	067520585	00966280511	009721114873
32			

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0097	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
	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
04	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		0	097
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

### SCREEN

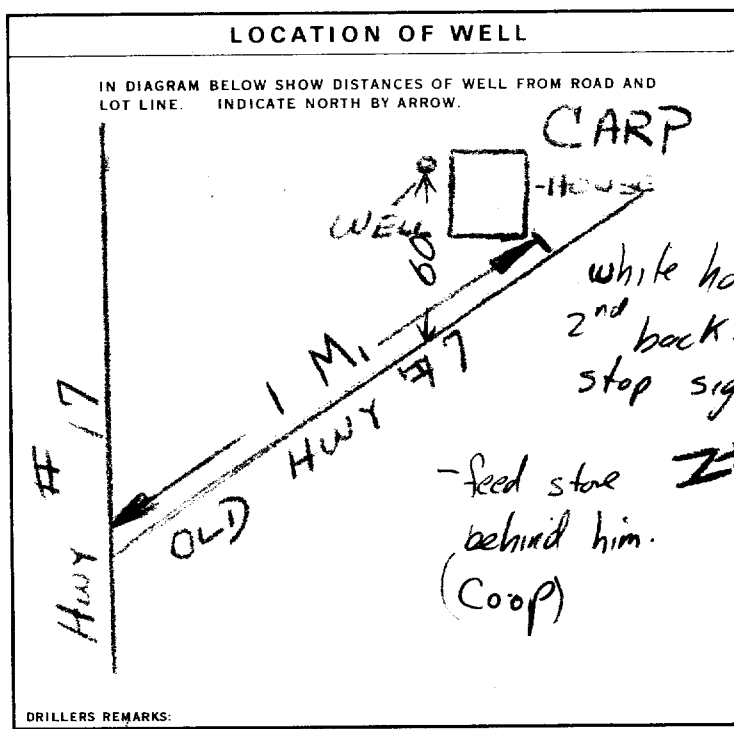
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN
		FEET

### 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	

### 71 PUMPING TEST METHOD

1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0008 GPM	DURATION OF PUMPING 02 HOURS 00 MINS
STATIC LEVEL 028 FEET	WATER LEVEL END OF PUMPING 028 FEET	WATER LEVELS DURING
		15 MINUTES 028 FEET
		30 MINUTES 028 FEET
		45 MINUTES 028 FEET
		60 MINUTES 028 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 470 GPM	WATER AT END OF TEST 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 070 FEET	RECOMMENDED PUMPING RATE 0008 GPM



### FINAL STATUS OF WELL

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

### WATER USE

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

### METHOD OF DRILLING

1 <input type="checkbox"/> CABLE TOOL	6 <input checked="" 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 type="checkbox"/> AIR PERCUSSION	

NAME OF WELL CONTRACTOR W. A. DEEVY	LICENCE NUMBER 1703
ADDRESS 309 ASHTON AVE	
NAME OF DRILLER OR BOREN W. A. DEEVY	LICENCE NUMBER 1703
SIGNATURE OF CONTRACTOR W. A. Deevy	SUBMISSION DATE DAY _____ NO. _____ YR. _____

### OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	1703	0 11178
DATE OF INSPECTION	INSPECTOR	
	K	
REMARKS:		
		P
		WI



Ministry of the Environment

The Ontario Water Resources Act

31F8a

# WATER WELL RECORD

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

11

1516989

MUNICIPALITY 15005

CON. CON

02

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>West Carleton - Huntley</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>Conc. 2 II</b>	DATE COMPLETED DAY <b>10</b> MO. <b>05</b> YR. <b>79</b>
Box 188, Carp, Ontario K7A 1L0		DATE COMPLETED 48-53	DATE COMPLETED 22 23 24
VG <b>21399</b>	RC <b>4</b>	ELEVATION <b>0330</b>	BSIN CODE <b>4 26</b>

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Brown	Clay			0	8
Brown	Sand	Heavy		8	70
Gray	Sand	Gravel		70	102
Gray	Limestone			102	241
Gray	Limestone		Medium	241	250

31	0002605	0070628	010222811	0241215	025021578
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**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
10-13 0250	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input checked="" 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**

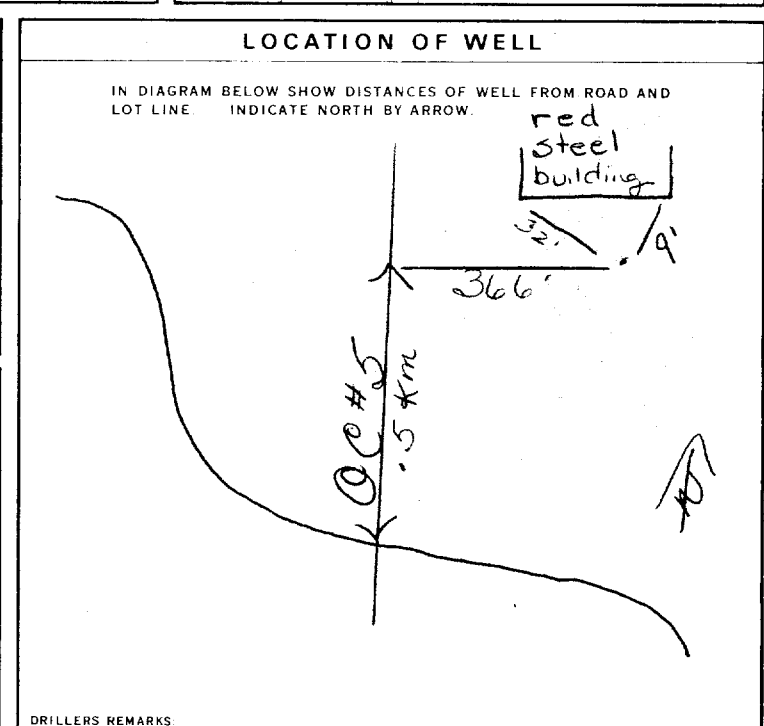
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	0102
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		102	0241
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		241	0250

**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"/> WATER	PUMPING RATE 0020 GPM	DURATION OF PUMPING 02 HOURS 00 MINS
STATIC LEVEL 058 FEET	WATER LEVEL END OF PUMPING 065 FEET	WATER LEVELS DURING
15 MINUTES 065 FEET	30 MINUTES 065 FEET	45 MINUTES 065 FEET
60 MINUTES 065 FEET	IF FLOWING, GIVE RATE	
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 100 FEET	RECOMMENDED PUMPING RATE 0005 GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY  
2  OBSERVATION WELL  
3  TEST HOLE  
4  RECHARGE WELL

5  ABANDONED, INSUFFICIENT SUPPLY  
6  ABANDONED, POOR QUALITY  
7  UNFINISHED

**WATER USE**

1  DOMESTIC  
2  STOCK  
3  IRRIGATION  
4  INDUSTRIAL  
5  OTHER

6  COMMERCIAL  
7  MUNICIPAL  
8  PUBLIC SUPPLY  
9  COOLING OR AIR CONDITIONING  
10  NOT USED

**METHOD OF DRILLING**

1  CABLE TOOL  
2  ROTARY (CONVENTIONAL)  
3  ROTARY (REVERSE)  
4  ROTARY (AIR)  
5  AIR PERCUSSION

6  BORING  
7  DIAMOND  
8  JETTING  
9  DRIVING

**CONTRACTOR**

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

ADDRESS: **Box 490, Stittsville, Ontario K0A 3H0**

NAME OF DRILLER OR BORER: **S. Miller** LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **11** MO. **05** YR. **79**

**OFFICE USE ONLY**

DATA SOURCE: **1** CONTRACTOR: **1558** DATE RECEIVED: **220679**

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: *[Signature]*

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



Ministry  
of the  
Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

1520147

15005 CON

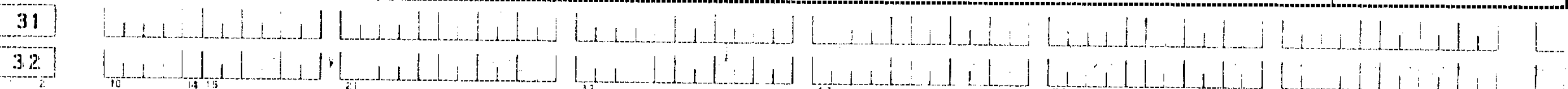
02

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

COUNTY OR DISTRICT <b>OTTAWA CARLETON</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>WEST CARLETON</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>PL 4M 466 W3</b>	LOT <b>18</b>
ADDRESS <b>[REDACTED] GLENCASTLE DR</b>		DATE COMPLETED DAY <b>16</b> MO <b>10</b> YR <b>85</b>	

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	SAND	STONES	LOOSE	0	5
BLACK	GRANITE		MED. HARD	5	140
RED	GRANITE		SOFT	140	160
BLACK	GRANITE		MED.	160	180
WHITE	GRANITE	RED GRANITE	SOFT	180	195
RED	GRANITE		SOFT	195	240
WHITE	GRANITE		SOFT	240	245
BLACK	GRANITE		HARD	245	280



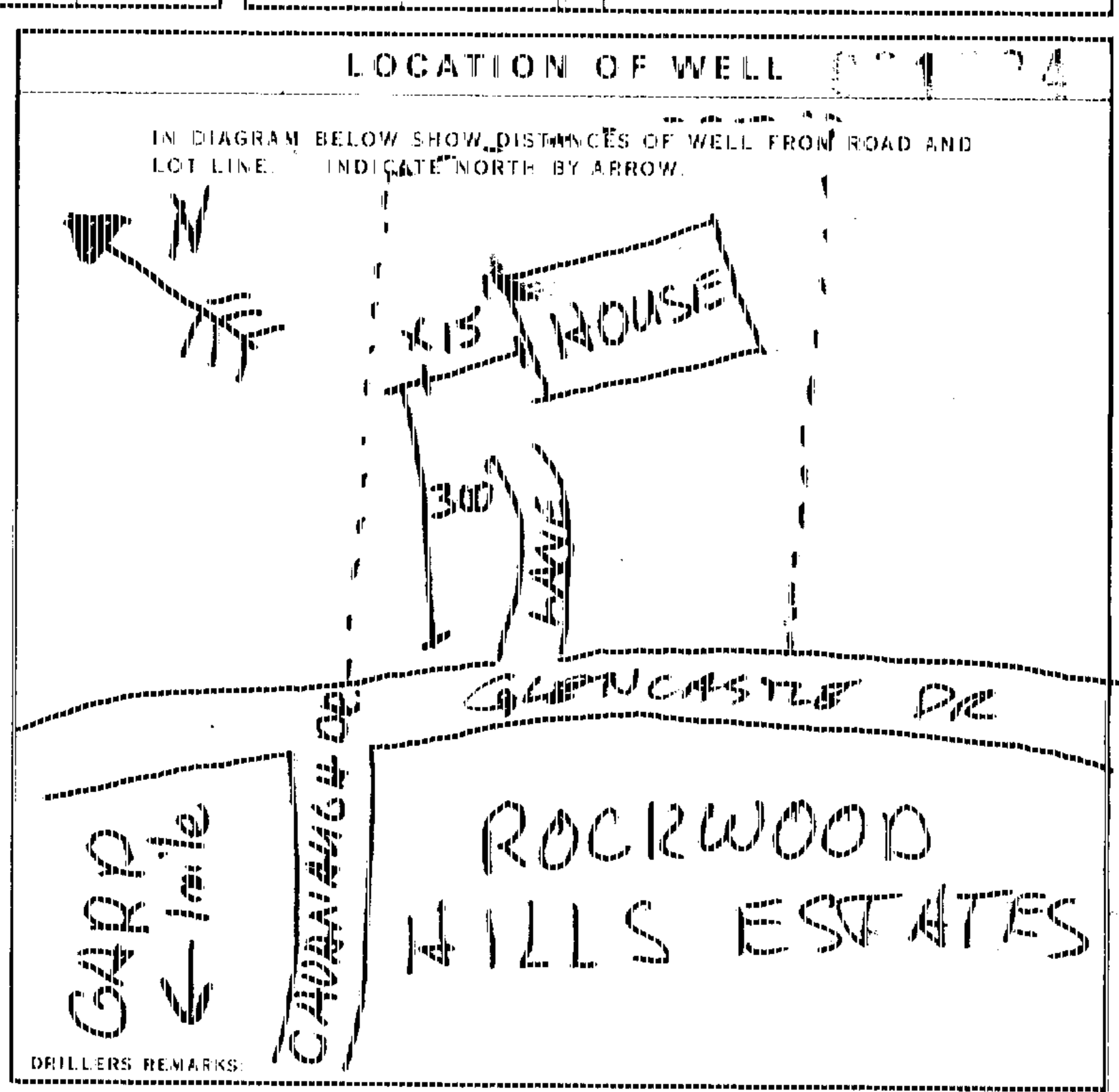
41 WATER RECORD			
WATER FOUND AT - FEET	KIND OF WATER		
160	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL
195	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL

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	1.188	0	24
6 1/8	1 <input type="checkbox"/> STEEL			

SCREEN	5 ZELSI OF OPENING (SLOT NO.)	DIAMETER	LENGTH

61 PLUGGING & SEALING RECORD		
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)	
0	24	CEMENT GROUT

71 PUMPING TEST METHOD		PUMPING RATE	DURATION OF PUMPING	
1 <input checked="" type="checkbox"/> PUMP	2 <input type="checkbox"/> BAILER	8 GPM	5 HOURS	
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING		
10 FEET	270 FEET	15 MINUTES	30 MINUTES	45 MINUTES
		270 GPM		



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

CONTRACTOR	NAME OF WELL CONTRACTOR <b>VALLEY DRILLING</b>	LICENCE NUMBER <b>5222</b>
	ADDRESS <b>PO BOX 437, CARP, ONT</b>	
	NAME OF DRILLER OR BORER <b>S. SKUSE</b>	LICENCE NUMBER <b>5222</b>
	SIGNATURE OF CONTRACTOR <i>[Signature]</i>	SUBMISSION DATE DAY _____ NO. _____ YR. _____

OFFICE USE ONLY	DATE SOURCE <b>22 10 85</b>	CONTRACTOR <b>22 10 85</b>	INSPECTOR
	DATE OF INSPECTION	REMARKS	



Ministry of the Environment  
Ontario

30.55881

# The Ontario Water Resources Act WATER WELL RECORD

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

11 1523938 15005 CON. COM. 102

COUNTY OR DISTRICT: OTTAWA CARLETON  
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: CARD, HUNFLEY  
CON. BLOCK, TRACT, SURVEY, ETC.: 2  
LOT: 18  
ADDRESS: GLENCASTLE RD CARD ONT  
DATE COMPLETED: DAY 1 MO 7 YR 89

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	SAND		LOOSE	0	9'
BROWN	Clay		PACKED	9'	25'
GREY	Clay	Silt	MOIST	25	36'
GREY	GRANITE	Quartz & Pink & Black GRANITE	HARD	36'	187
Black	GRANITE		HARD	187	240
Black	GRANITE	GREY & RED, QUARTZ	HARD	240'	300'

31  
32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
120	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
245	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
287	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/4"	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1.888	0	38'
6"	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		38	300'

**SCREEN**

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

MATERIAL AND TYPE: \_\_\_\_\_  
DEPTH TO TOP OF SCREEN: \_\_\_\_\_

**61 PLUGGING & SEALING RECORD**

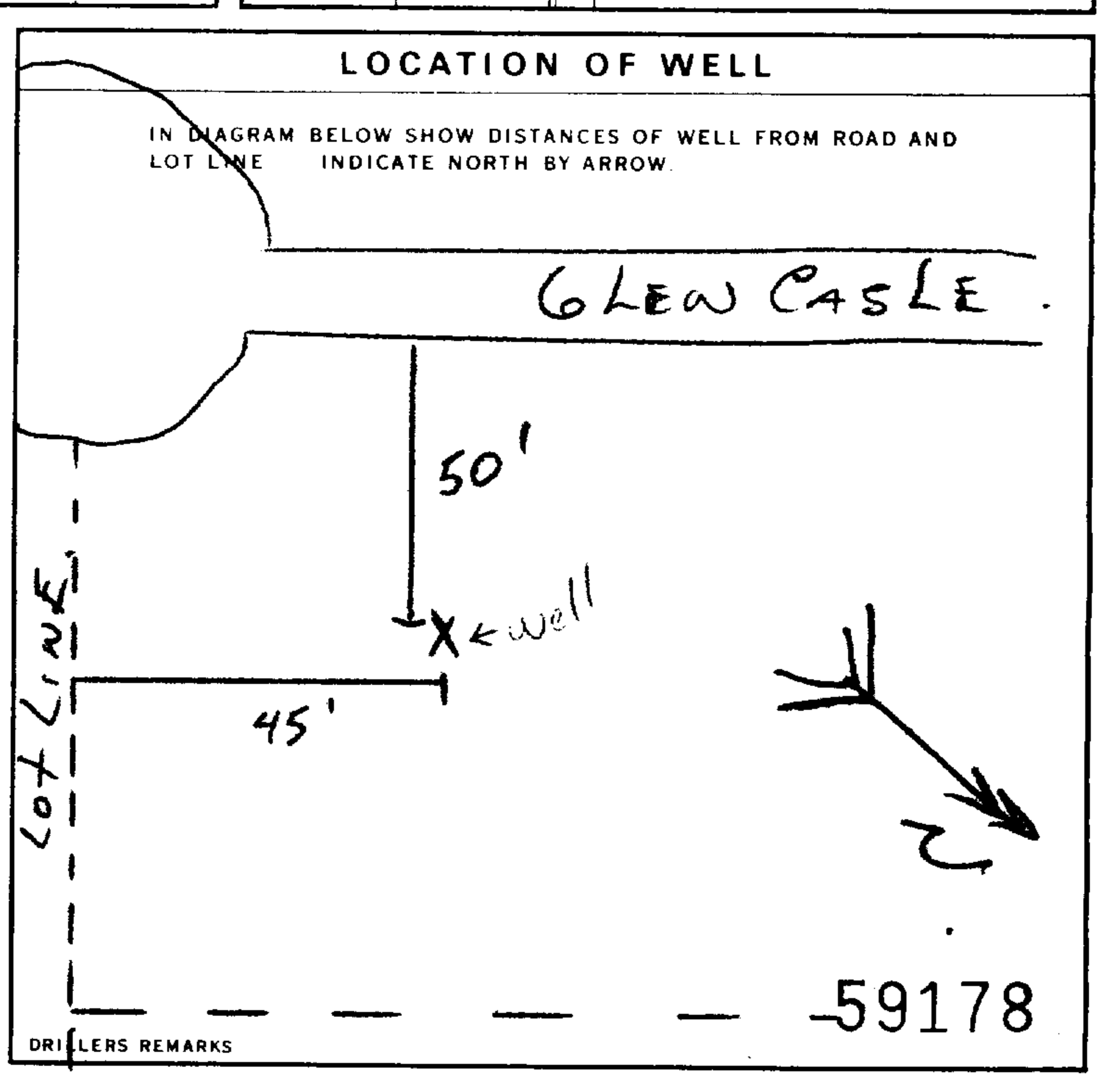
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	Cement grout

**71 PUMPING TEST**

PUMPING TEST METHOD: AIR PUMP  
PUMPING RATE: 4 GPM  
DURATION OF PUMPING: 2 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
28 FEET	250 FEET	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		250 FEET	250 FEET	250 FEET	250 FEET

PUMP INTAKE SET AT: 250 FEET  
WATER AT END OF TEST: CLEAR  
RECOMMENDED PUMP TYPE: DEEP  
RECOMMENDED PUMP SETTING: 250 FEET  
RECOMMENDED PUMPING RATE: 4 GPM



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF CONSTRUCTION**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Valley Drilling Inc  
WELL CONTRACTOR'S LICENCE NUMBER: 5222  
ADDRESS: P.O. Box 437 CARD, ONT  
NAME OF WELL TECHNICIAN: Bill Bisson  
WELL TECHNICIAN'S LICENCE NUMBER: T-0190  
SIGNATURE OF TECHNICIAN/CONTRACTOR: [Signature]  
SUBMISSION DATE: \_\_\_\_\_

**OFFICE USE ONLY**

DATA SOURCE: 58  
CO. TAG: 59  
DATE RECEIVED: OCT 12 1989  
DATE OF INSPECTION: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
REMARKS: \_\_\_\_\_



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

11

1529903

MUNICIPALITY 15009

GRN (M.W.) (CON)

102

COUNTY OR DISTRICT: *Pelee Islands* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Carp, Ont.* CON. BLOCK, TRACT, SURVEY, ETC: *Conc. II* LOT: *17*

DATE COMPLETED: DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_

ELEVATION: \_\_\_\_\_ BASIN CODE: \_\_\_\_\_

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
			Observation well was abandoned with 3/8" Holeplug (bentonite) from the bottom of screen to ground surface. Dec 3/97		
	2" Ø PVC piez.				

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

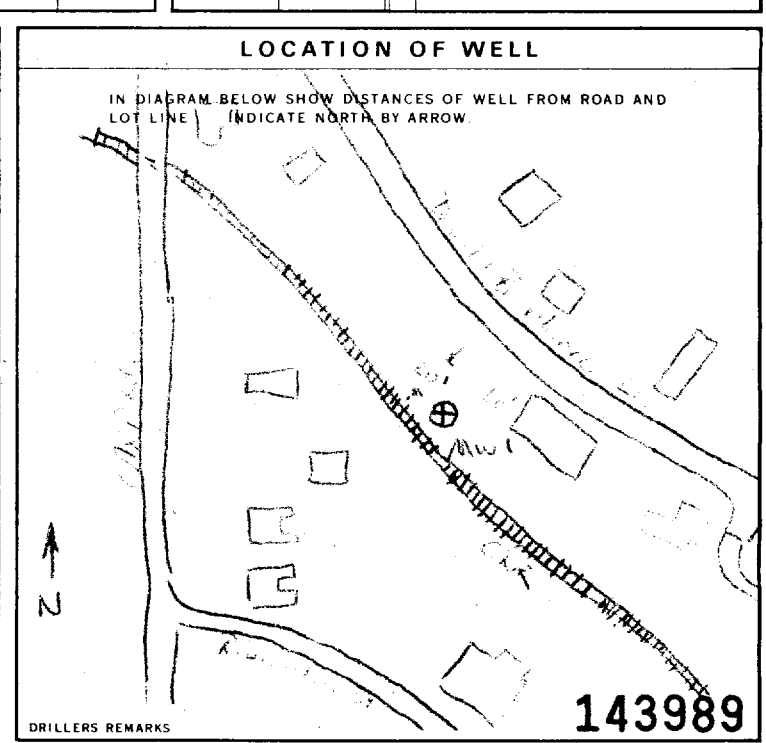
41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
10-13	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR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

51 CASING & OPEN HOLE RECORD				
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	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			13-16
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			20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC			27-30

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	MATERIAL AND TYPE	INCHES	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	10 PUMPING TEST METHOD		11-14 PUMPING RATE		15-16 DURATION OF PUMPING	
	1 <input type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER		GPM		HOURS _____ MINS _____	
	19-21 STATIC LEVEL		22-24 WATER LEVEL END OF PUMPING		25 WATER LEVELS DURING	
	FEET	FEET	15 MINUTES 26-28	30 MINUTES 29-31	45 MINUTES 32-34	60 MINUTES 35-37
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST		
GPM		FEET		1 <input type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY		
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		RECOMMENDED PUMPING RATE		
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP		FEET		GPM		



FINAL STATUS OF WELL	34 1 <input type="checkbox"/> WATER SUPPLY		5 <input checked="" type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY	
	2 <input checked="" 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		8 <input type="checkbox"/> DEWATERING		
WATER USE	55-56 1 <input type="checkbox"/> DOMESTIC		5 <input type="checkbox"/> COMMERCIAL	
	2 <input type="checkbox"/> STOCK		6 <input type="checkbox"/> MUNICIPAL	
METHOD OF CONSTRUCTION	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	
1 <input type="checkbox"/> CABLE TOOL		6 <input type="checkbox"/> BORING		
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)		7 <input type="checkbox"/> DIAMOND		
3 <input type="checkbox"/> ROTARY (REVERSE)		8 <input type="checkbox"/> JETTING		
4 <input type="checkbox"/> ROTARY (AIR)		9 <input type="checkbox"/> DRIVING		
5 <input type="checkbox"/> AIR PERCUSSION		<input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER		

CONTRACTOR	NAME OF WELL CONTRACTOR		WELL CONTRACTOR'S LICENCE NUMBER	
	<i>Water &amp; Earth Science Assoc</i>		<i>6841</i>	
	ADDRESS		WELL TECHNICIAN'S LICENCE NUMBER	
	<i>Box 430 Carp, Ont, K0A 1L0</i>		<i>1-2405</i>	
NAME OF WELL TECHNICIAN		SIGNATURE OF TECHNICIAN/CONTRACTOR		
<i>Brian Andrews</i>		<i>[Signature]</i>		
SUBMISSION DATE		DAY _____ MO _____ YR _____		
DAY <i>7</i> MO <i>1</i> YR <i>98</i>				

OFFICE USE ONLY	58 DATA SOURCE		59-62 CONTRACTOR		63-68 DATE RECEIVED	
			<i>6841</i>		<i>JAN 14 1998</i>	
	DATE OF INSPECTION		INSPECTOR		REMARKS	
				<i>[Signature]</i>		



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11 1529904 15005 MWZ CON 102

COUNTY OR DISTRICT: *West Carleton-Carp* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *West Carleton-Carp* CON. BLOCK, TRACT, SURVEY ETC: *Cnc. II* LOT: *17*

DATE COMPLETED: *48-53*

DAY: \_\_\_\_\_ MO: \_\_\_\_\_ YR: \_\_\_\_\_

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
			Observation well was abandoned with 3/8" Hole plug (bentonite) from the bottom of the screen to the ground surface. Dec 3/97		
	2" Ø PVC piez.				

31 \_\_\_\_\_

32 \_\_\_\_\_

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER					
10-13	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"/>
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	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	12		13-16
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	19		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	26		27-30

**SCREEN**

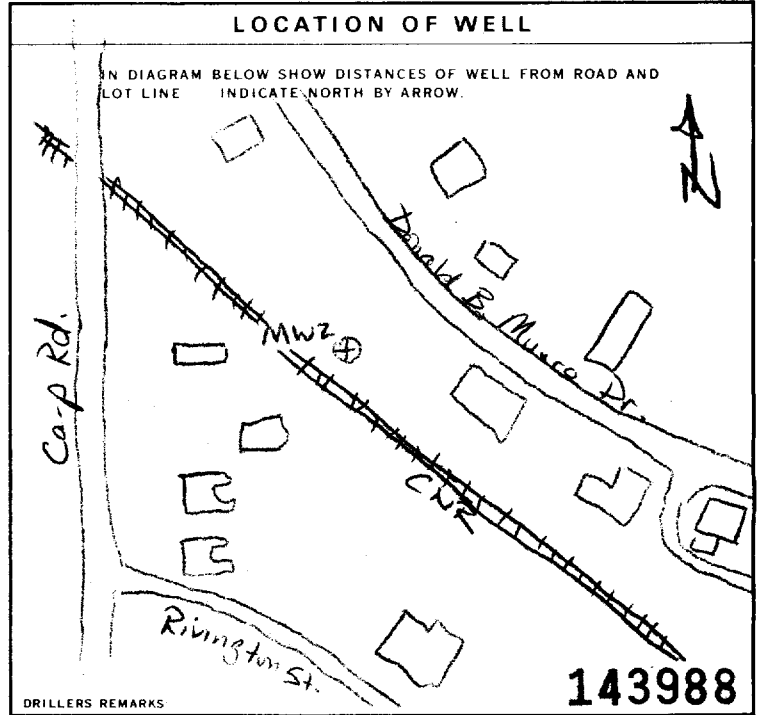
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
	31-33	34-38
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 41-44 FEET	

**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	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	GPM	15-16 HOURS 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21 FEET	22-24 FEET	15 MINUTES 26-28 FEET 30 MINUTES 29-31 FEET 45 MINUTES 32-34 FEET 60 MINUTES 35-37 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 <input type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	FEET	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 8  DEWATERING

**WATER USE**

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

**METHOD OF CONSTRUCTION**

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

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *Water & Earth Science Assoc.* WELL CONTRACTOR'S LICENCE NUMBER: *6841*

ADDRESS: *Box 430 Carp, Ont. KOA 1L0*

NAME OF WELL TECHNICIAN: *Brian Andrews* WELL TECHNICIAN'S LICENCE NUMBER: *1-2405*

SIGNATURE OF TECHNICIAN/CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: *7 1 98*

DAY: *7* MO: *1* YR: *98*

**OFFICE USE ONLY**

DATA SOURCE: \_\_\_\_\_ CONTRACTOR: *6841* DATE RECEIVED: *JAN 14 1998*

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

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



Ministry  
of the  
Environment  
Ontario

# The Ontario Water Resources Act WATER WELL RECORD

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11

1529907

MUNICIPALITY  
15005

CON. 15

102

COUNTY OR DISTRICT: *Att. Carleton Place, Ont.* TOWNSHIP: *Carleton Place, Ont.* CON. BLOCK, TRACT, SURVEY, ETC.: *Carleton II* LOT: *17*

DATE COMPLETED: 48-53  
DAY: \_\_\_\_\_ MO: \_\_\_\_\_ YR: \_\_\_\_\_

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

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
			Abandoned observation well with 3/8" Holeplug (bentonite) from bottom of screen 16.0 m to surface. Dec 3/97 2" Ø pvc piez.		

31

32

### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER					
10-13	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"/>
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	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	12		13-16
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	19		20-23
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	26		27-30

### SCREEN

SIZE (S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
31-33	34-38	39-40

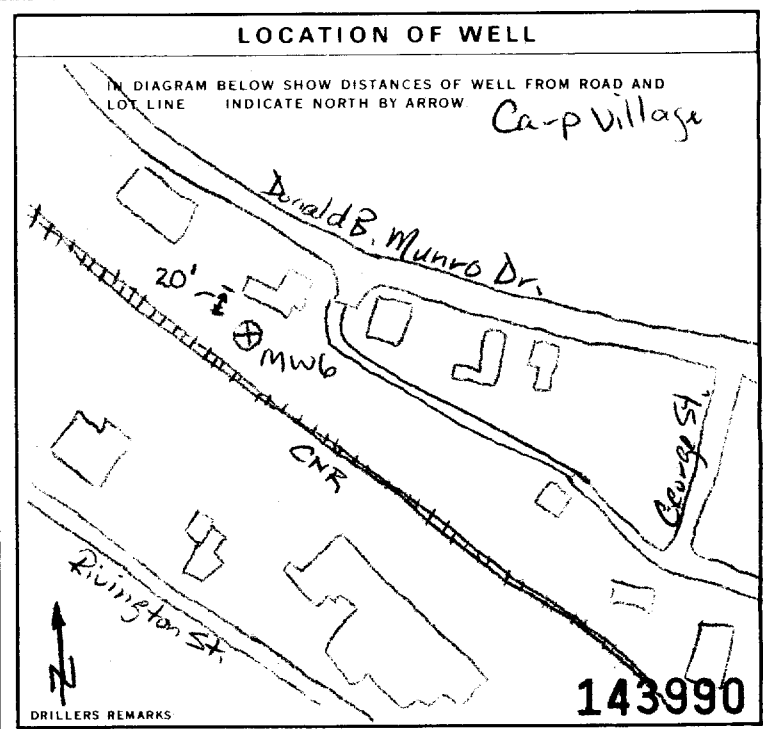
MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: 41-44 FEET

### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
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 type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	11-14	15-16 HOURS 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21 FEET	22-24 FEET	15 MINUTES 26-28 FEET 30 MINUTES 29-31 FEET 45 MINUTES 32-34 FEET 60 MINUTES 35-37 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT GPM	WATER AT END OF TEST
38-41	43-45 FEET	1 <input type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	46-49 FEET	46-49 GPM



### FINAL STATUS OF WELL

1  WATER SUPPLY 5  ABANDONED, INSUFFICIENTLY  
2  OBSERVATION WELL 6  ABANDONED POOR QUALITY  
3  TEST HOLE 7  UNFINISHED  
4  RECHARGE WELL 8  DEWATERING

### WATER USE

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

### METHOD OF CONSTRUCTION

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

### CONTRACTOR

NAME OF WELL CONTRACTOR: *Water & Earth Science Assoc.* WELL CONTRACTOR'S LICENCE NUMBER: *6841*

ADDRESS: *Box 430 Carleton Place ON N1L 1L0*

NAME OF WELL TECHNICIAN: *Brian Andrews* WELL TECHNICIAN'S LICENCE NUMBER: *T-2405*

SIGNATURE OF TECHNICIAN/CONTRACTOR: \_\_\_\_\_ SUBMISSION DATE: DAY *7* MO. *1* YR. *98*

### OFFICE USE ONLY

DATA SOURCE: \_\_\_\_\_ CONTRACTOR: *6841* DATE RECEIVED: *JAN 14 1998*

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

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



# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

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