

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

**460 Second Street  
Gananoque, Ontario**

**Prepared for: Jaco Investments Ltd.**

**June 12, 2019**

**File: 1234-100.00\_R01**



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1 hard copy – Jaco Investments Ltd.  
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## NOTICE TO READER

<i>Purpose of Work</i>	A Phase I Environmental Site Assessment (ESA) is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for hazardous substances on a property. In most cases, a Phase I ESA report can only describe the likelihood of hazardous substances being present or absent at a property.
<i>Scope of Work</i>	Professional judgment, experience, and available data collected within the scope of work form the basis for the findings and opinions expressed in this report. The scope of work for this assessment included: visual observations of the subject property during a site visit; review of available documents, reports and agency records; and interviews with agency representatives and persons associated with the subject property. This assessment did not include sampling or analysis of soil, water, waste, or building materials.
<i>Contaminants May Exist</i>	Malroz Engineering Inc. ( <i>Malroz</i> ) is not able to represent that the site or adjoining lands contain no hazardous waste or other latent condition beyond that detected or observed. The possibility exists for hazardous substances to migrate through surface water, air, soil or groundwater. The ability to accurately address the environmental risk associated with these media is beyond the scope of this assessment.
<i>Information/Regulations May Change</i>	Public information is frequently incomplete. Public information and regulatory evaluation criteria are continually changing. As a result, concentrations of substances present and considered to be acceptable at the time of investigation may, in the future, become subject to different regulatory standards and require remediation.
<i>Not an Audit</i>	We have relied upon information provided by others to be true and accurate. This undertaking cannot be relied upon to detect information or facts which were concealed or not fully disclosed at the time of assessment. If additional information becomes available, <i>Malroz</i> should be authorized to re-evaluate the conclusions presented in this report and provide amendments as required
<i>Prepared for Jaco Investments Ltd.</i>	This document has been prepared for the sole use of the Jaco Investments Ltd., to assess potential contaminant impact related to the subject property. Unauthorized reuse of this document for other purposes, or by any other party, without the express written consent of <i>Malroz</i> shall be at such party's sole risk.

This page is an integral part of this document and must remain with it at all times.

Respectfully Submitted,  
MALROZ ENGINEERING INC.

  
Per: Rob Varcoe, G.I.T.  
Environmental Scientist

  
Reviewed: David Carnegie, P.Eng.  
Project Manager





## EXECUTIVE SUMMARY

Malroz Engineering Inc. (Malroz) conducted a Phase I Environmental Site Assessment (ESA) of two adjacent land parcels in Gananoque, Ontario. The land parcels were identified as 460 Second Street, Gananoque, referenced as the east parcel herein, and an adjacent west parcel with no civic address. The Phase I ESA was completed in accordance with the Canadian Standard Association (CSA) Standard Z768-01 for the purpose of undertaking a due diligence assessment of the subject site, with some limitations. As agreed with the client, the Phase I ESA was not designed to conform to current O. Reg. 153/04 standards. The scope of the Phase I ESA included a review of available records, a site reconnaissance visit, interviews, evaluation of information, and reporting. We understand that the subject site is proposed to be developed for residential use.

At the time of investigation, the east parcel comprised an open field and did not contain buildings or structures. The west parcel comprised undeveloped land with a mix of trees, saplings, vegetation and open areas associated with a marshy area. The adjacent property use at the time of the investigation was generally residential.

The subject site was historically used for agricultural purposes. Mills greenhouses operated on the east parcel from 1956 until 2010. The greenhouses were reportedly removed from the site in 2012. The west parcel ceased to be actively farmed circa 1994. During site reconnaissance, the east and west parcels were vacant (i.e. no active use or visible structures).

Potentially contaminating activities resulting from current/historic surrounding property use identified in the Phase I study area included the historic presence of St. Lawrence Oil Supply Co. an abandoned quarry/mine site, a historic automotive garage, a historic railway line, and an active manufacturing operation (Thomson Fasteners). Based on the inferred groundwater flow direction and distance of these activities relative to the subject site, the risk of these surrounding property activities causing an on-site source of environmental concern is considered low.

Potentially contaminating activities associated with the historic agricultural operation included entries under the pesticides register and waste generator entries associated with removal of the greenhouses. A small building (shed) reportedly occupied the site concurrently with the greenhouse operations and was used to sharpen and/or maintain equipment associated with the greenhouse operations. Pesticides were stored in small quantities and applied in the greenhouses. We understand that equipment maintenance may have resulted in the storage, handling and/or generation of small quantities of hydrocarbon and metal materials. Based on the information received and reviewed, the potential for ongoing environmental impact associated with these potentially contaminating activities is inferred to be low/limited.

The site reconnaissance visit identified several small debris piles, including a 5 gallon pail containing an unidentified substance, miscellaneous household items, wood, brick/concrete. The limited quantity of the debris and lack of visual or olfactory evidence of environmental impact (e.g. staining) suggest that the risk of contamination associated with the observed debris is low/limited. During site development, should additional debris be encountered beyond that noted above, Malroz, should be contacted to assess if further investigation for onsite contamination is required. The debris noted to be currently onsite should be properly disposed of at a suitably licensed waste disposal site or recycler.

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  - Ministry of the Environment, Conservation and Parks  
**NOT RECEIVED AT TIME OF REPORT**
  - Ministry of Natural Resources and Forestry (*MNR*)  
**NOT RECEIVED AT TIME OF REPORT**
  - Technical Safety and Standards Association (*TSSA*)
  - Quinte Conservation
- Appendix I Site Photographs



## 1.0 INTRODUCTION

*Initiation* Malroz Engineering Inc. (Malroz) was retained by Jaco Investments Ltd. (*Jaco*) to conduct a Phase I Environmental Site Assessment (ESA) at a property located at 460 Second Street, Gananoque, Ontario (the subject site). The subject site is comprised of two land parcels, referenced as the east and west parcels herein and as described below:

- East Parcel - 460 Second Street, Gananoque (LT 181 to 200W Gananoque River PL 86 EXCEPT PT 1 28R571). This portion of the subject site is comprised of a vacant field and did not include the two residences located directly south of the subject site.
- West Parcel - Lots 125, 127 to 140 W Gananoque River PL 86S/T. This portion of the subject property is comprised of a vacant field and did not include the three residences located directly south of the subject site.

We understand that Jaco intends to develop the property for residential use and has requested the completion of a Phase I ESA for due diligence purposes.

*Objective & Limitations* This Phase I ESA assesses actual and potential contamination identified as a result of past and present uses of this site and adjacent properties. The extent of research to identify potential sources of impact was limited by the scope of work (refer to sections 1.1 and 1.2).

## 1.1 Scope of Work

*Phased Approach* Malroz typically adopts a phased approach to conducting site investigations, employing one or more of ten tasks:

- Task 1: Records Review
- Task 2: Interviews
- Task 3: Site Reconnaissance Visit
- Task 4: Health and Safety Plan
- Task 5: Asbestos Evaluation
- Task 6: Geophysical Survey
- Task 7: Surface Soil Sampling and Laboratory Analyses
- Task 8: Subsurface Soil Sampling and Laboratory Analyses
- Task 9: Groundwater Sampling and Laboratory Analyses
- Task 10: Evaluation of Information and Reporting

*Phase I ESA Definition* The Canadian Standards Association (CSA Z768-01) defines the components of a Phase I ESA as including Tasks 1, 2, 3, and 10. Activities in addition to these tasks are considered as enhancements to a Phase I ESA, or part of the scope of subsequent ESA phases.

In general, the level of confidence in conclusions derived from a site investigation increases with the completion of additional tasks.

*Agreed Scope* The agreed scope of services undertaken by *Malroz* for this assessment included the following standard Phase I ESA tasks:

- records review (Task 1),
- interviews (Task 2),
- site reconnaissance visit (Task 3), and
- evaluation of information and reporting (Task 10).

The Phase I ESA was completed to CSA Standard Z768-01 for the purpose of undertaking a due diligence assessment of the subject property. Since a Record of Site Condition was not required, the Phase I ESA was not designed to conform to current O. Reg. 153/04 standards, as agreed with the client.

## 1.2 Study Limitations

*Inherent Limitations* Work was completed in conformance with the requirements of the CSA Standard for Phase I ESAs, but has inherent limitations. The findings and conclusions regarding contamination of the property are based solely on the extent of observations and information gathered during the Phase I ESA. Subsequent investigations may reveal conflicting results. If additional information becomes available, *Malroz* should be authorized to re-evaluate the conclusions presented herein, and provide amendments as required.

*Specific Limitations* At the time of the investigation the west parcel of the subject site was overgrown with vegetation. As a result, this limited our ability to identify the presence of staining or debris which may represent an environmental concern.

Due to the time sensitive nature of this project, responses to requests for information submitted to the Ministry of the Environment Conservation and Parks (*MECP*) and the Ministry of the Natural Resources and Forestry (*MNR*), were not received at the time of issuance of this report. *Malroz* will provide the *MECP* and *MNR* responses, once received, in separate correspondence.

## 2.0 SITE DESCRIPTION

The subject sites east parcel is located at 460 Second Street, Gananoque, Ontario, approximately 400 m north of King Street West. The adjacent west parcel is a vacant lot and does not have a civic address. The site location plan and surrounding land use are summarized in Figures 1 and 2 (Appendix A).

### 2.1 Site Description and Size

*Legal  
description*

Based on a land registry document from the Land Registry Office (LRO) of Ontario (searched at LRO No. 28, Leeds), the subject site is comprised of two registered properties:

- East parcel is described by the LRO as: *LT 181 W Gananoque River, 182 W Gananoque River, 183 W Gananoque River, 184 W Gananoque River, 185 W Gananoque River, 186 W Gananoque River, 187 W Gananoque River, 188 W Gananoque River, 189 W Gananoque River, 190 W Gananoque River, 191 W Gananoque River, 192 W Gananoque River, 193 W Gananoque River, 194 W Gananoque River, 195 W Gananoque River, 196 W Gananoque River, 197 W Gananoque River, 198 W Gananoque River, 199 W Gananoque River, 200 W Gananoque River PL 86 Except PT 1 28R5713; Gananoque.*

As noted in Section 1.0, the two residences located directly south of the subject site were not included in this investigation.

- West parcel is described by the LRO as: *LT 125 W Gananoque River, 127 W Gananoque River, 128 W Gananoque River, 129 W Gananoque River, 130 W Gananoque River, 131 W Gananoque River, 132 W Gananoque River, 133 W Gananoque River, 134 W Gananoque River, 135 W Gananoque River, 136 W Gananoque River, 137 W Gananoque River, 138 W Gananoque River, 139 W Gananoque River, 140 W Gananoque River PL 86 S/T Interest in LR209038; Gananoque.*

*Size*

The subject site has an approximate area of 2.5 hectares.

*General Site  
Description*

At the time of investigation, the subject site comprised the following:

- East parcel – a vacant field that did not contain visible buildings or structures. Vegetation (e.g. trees and bushes) and fencing bordered the eastern and northern property limits. A culvert was observed to cross the southern portion of the parcel.
- West parcel – comprised of undeveloped land with a mix of trees, saplings, bushes, tall grass and a seasonally wet, low lying grassy area (referenced as a “marshy area” herein).



## 2.2 Zoning and Current Property Use

*Land Use*                      The subject site is zoned residential by the Town of Gananoque Development  
*Zoning Maps*                      Permit By-Law No. 2010-65.

*Subject*                      At the time of the investigation, the property was undeveloped.  
*Property*  
*Current Uses*

*Adjacent and*                      Adjacent and neighbouring properties on the Town of Gananoque Development  
*Neighboring*                      Permit By-Law 2010-65, as amended, are zoned as follows:  
*Property*  
*Zoning*

North	Residential, Employment Lands
East	Residential, Open Space
South	Residential
West	Residential

*Adjacent and*                      At the time of the investigation, adjacent and neighbouring property uses were as  
*Neighboring*                      follows:  
*Property*  
*Current Use*

North	Residential properties including Gananoque family housing, Industrial/commercial property (Thomson Fasteners) and a recreational pathway
East	Residential properties, a commercial property (Gan U Brew) and a vacant grass field
South	Residential
West	Residential, agricultural / or undeveloped

## 2.3 Site Vicinity and General Characteristics

*Topography*                      Regionally the topography slopes downward toward the St Lawrence River (south of the site) and the Gananoque River (approximately 350 meters east of the site).

The topography of the east parcel is generally flat with a slight downward sloping gradient to the south and east. The west parcel also has south and east downward sloping topography and appears to be higher in elevation than the east parcel.

*Ground Cover*                      The west parcel is comprised of trees, saplings, and long grasses. A marshy area extends from north to south along the western property boundary (see Figure 3). The east parcel is primarily grass covered, with small trees and other vegetation located at the northern and eastern portion of the property limits. Asphalt and granular material were observed in the southeastern portion of the subject site, and this appeared to be consistent with the inferred location of greenhouses and site access/parking observed in aerial photos (see Appendix B)

*Surface Run-  
Off*

West parcel surface water runoff appears to flow towards a marshy area that extends from north to south along the western property boundary. Surface water runoff from Maple Street appears to be directed east toward the subject site.

The east parcel was generally flat, however, runoff appeared to flow south and east. A culvert was observed to run underground through the southern portion of the east parcel. The culvert entry point was observed at the eastern edge of the subject site and appeared to direct surface water west, from a small topographic high south and east of the subject site, toward a small marshy area located at the southern portion of the west parcel (see Figure 3).

*Surface Water*

Limited (measurable) surface water was observed in the low-lying marshy areas in the west parcel of the subject site. Regional surface water includes the Gananoque River (approximately 350 m east of the subject site) and the St. Lawrence River (approximately 800 m south of the subject site).

### 3.0 RECORDS REVIEW

The records review (Task 1) collects data related to past activities on, or adjacent to, the subject site that could be interpreted as contributing to actual or potential contamination on the subject site. The records review includes mandatory records (aerial photographs, property use records, title search and assessment rolls, prior Phase I ESA reports, company records, geological and geotechnical reports and regulatory information) and optional data sources (geological and soil maps, topographic maps, agreements of purchase and sale, land use documents, public health concerns, utility company records and other local information).

#### 3.1 Aerial Photographs

*Summary of  
Reviewed  
Aerial  
Photographs*

Aerial photos were acquired via Environmental Risk Information Services (ERIS) and from Google Earth (Appendix B).

Pertinent information about the subject site and surrounding properties is summarized below.

Year	Source	Subject Site	Adjacent/Neighbouring Properties
1931	ERIS	Agricultural or undeveloped, a drainage swale appears to run through the southern portion of the east parcel.	Agricultural or undeveloped (north/west), residential (south/east), railroad tracks to the north and east.
1948	ERIS	Agricultural (west parcel), new structure appears at the southeast portion of the subject site.	No significant changes observed from 1931 aerial photo.
1955	ERIS	Agricultural (west and east parcel), no significant changes observed from 1948 aerial photo.	Industrial building (consistent with Thomson Fasteners) appears to the northeast. An increase in residential dwellings, east and south of the subject site.
1966	ERIS	Agricultural, new structures emerge to the southeast of the east parcel, possibly greenhouses and small buildings.	Structures consistent with warehousing or commercial facilities appear adjacent to railroad tracks to the east of the site.
1974	ERIS	New structures emerge to the southeast, possibly additional greenhouses.	No significant changes observed from the 1966 aerial photo.



1989	<i>ERIS</i>	Additional structures, possibly greenhouses, appear in the southeast portion of the east parcel. The drainage swale appears to have been built upon.	Additional residences appear to infill areas to the east and south.
1994	<i>ERIS</i>	Structures that appear to be greenhouses remain on the east parcel, the west parcel does not appear to be used for agricultural purposes and appears to be a grass field.	Structure consistent with the present day community housing development appears to the north, railroad tracks and storage/commercial facility adjacent to railroad tracks no longer appear present
2005	Google Satellite	Additional structures, possibly greenhouses, appear on the east parcel, the west parcel remains unoccupied appearing to remain a grassy field.	Additional residential dwellings appear to the southwest of the subject site.
2013	Google Satellite	Structures on east parcel are no longer visible. The parcel appears to be largely grass covered, with what appears to be gravel ground cover on the southern and western portions of the parcel. The west parcel appears to be densely vegetated.	No significant changes observed from the 2005 aerial photo.
2018	Google Satellite	The east parcel appears to be largely grass covered, no significant changes observed from the 2013 aerial photo.	No significant changes observed from the 2013 aerial photo.

### 3.2 Property-Use Records

*Fire Insurance  
Plans &  
Property  
Underwriters’  
Reports*

Fire insurance maps were searched via the OPTA Information Intelligence (OPTA) database. A 1947 fire insurance map was available for the subject site and adjacent properties. A summary of identifiable features, including potentially contaminating activities within the subject site study area is presented below. The fire insurance map is included in Appendix C.

Year	Subject Site	Adjacent Properties
1947	<p>Two small buildings are identified on the west parcel, one additional building “dwelling” is located south of the parcel, however, this building appears to fall outside the subject site property limit.</p> <p>The east parcel does not appear to have structures within the subject site limits, however, two buildings are identified south of the parcel.</p>	<ul style="list-style-type: none"> <li>• Generally residential</li> <li>• 74 Third Ave has one building on the property identified as St. Lawrence Oil and Supply Company</li> <li>• 77 Third Ave is also attributed to the St. Lawrence Oil and Supply Company. The property appears to have 5 vertical and 5 horizontal above ground storage tanks, 2 of the tanks are noted to be “15,000 gals Oil Tanks”.</li> <li>• A railway line appears to be north and east of the subject site</li> </ul>

*City Directory*

A search was conducted by *ERIS* for the subject site and ten surrounding properties in the city directory. Listings were returned for 1997 and 1999. Copies of the city directory have been included in Appendix D.

The city directory search identified that the subject site address was occupied by Mills Flower Shop and Greenhouses, Mills Garden Centre and Greenhouses and a residential unit in 1999. During the interviews portion of the investigation (see Section 4.1) it was reported that the greenhouse operations (agricultural property usage) occurred within the limits of the subject site. The Mills Flower Shop (commercial) reportedly occurred at the residence south of the subject site.

A summary of the City Directory Search findings is summarized below:

Address	Listing	Date(s)
460 Second Street (Subject site)	Mills Flower Shop and Greenhouses	1999
	Mills Garden Centre and Greenhouses	1999, 1997
	Residential (2 tenants)	1999

480 Second Street	Residential (1 tenant)	1999, 1997
540 Second Street	Residential (1 tenant)	1999, 1997
700 Second Street	Residential (2 tenants)	1999, 1997
298 Third Street	Address Not Listed	1999, 1997
290 Fourth Street	Thomson Fasteners Inc.	1999
190 Oak Street	Residential (1 tenant)	1999, 1997
295 Oak Street	Gan-U-Brew	1999, 1997
198 Maple Avenue	Address Not Listed	1999, 1997
215 Maple Avenue	Address Not Listed	1999, 1997
334 Victoria Avenue	Gananoque Family Housing Inc. Gananoque Mobile Wash Multi-Tenant Residential	1999 1999 1999, 1997

### 3.3 Land Title Search

*Land Title  
Registry  
Records*

Results of a current land title search for the subject site are summarized below, and are included in Appendix E.

Parcel	Property Owner	Dates of Ownership
west parcel	Guilherme Pavao	1990 to present
east parcel	1518017 Ontario Inc.	Unknown to 2012
	Rocky Acres Estates Inc.	2013 to present

### 3.4 Previous Phase I and Phase II ESA Reports

*Prior Phase I  
ESA Reports*

No prior Phase I ESA reports were reportedly completed or provided for the subject site.



*Prior Phase II  
ESA Reports* No prior Phase II ESA reports were reportedly completed or provided for the subject site.

### 3.5 Company Records

*Other  
Environmental  
Reports* Company records were reportedly not available nor provided for the subject site.

### 3.6 Geological and Geotechnical Reports

*Geotechnical  
Reports* Geotechnical reports were reportedly not available nor provided for the subject site.

### 3.7 Regulatory Agency Records

*ERIS Review of  
Provincial and  
Federal  
Databases* A database search of regulatory agency records was conducted by ERIS for the subject site and properties within a 350 metre radius from the center of the subject site (study area). Databases searched included information on waste disposal sites, mine/aggregate sites, fuel storage tanks, manufacturing; waste generators/receivers, permits/approvals, orders/convictions, spills/releases, PCB/pesticides, and water well records (WWRs). A complete list of databases searched is included in the ERIS report in Appendix F.

A summary of select database entries for the subject site is provided below. The complete ERIS report and details of all searched databases are included in Appendix F.

- Ten Pesticide Register entries were listed the subject site, including: Two Operator licenses for Mills Flowers. Two General Vendor licenses, two Vendor licenses, one Limited Vendor license, and one Retail Vendor Class 03 license for Mills Greenhouses. Two Operator licenses for Mills Greenhouses & Flower Shop.
- One Ontario Regulation 347 Waste Generators Summary entry was listed for the subject site. The entry was listed to Bin There Dump That for paint / pigment / coating residues, chemical fertilizer wastes, alkaline wastes, inorganic laboratory chemicals, petroleum distillates, waste compressed gasses, and waste oils and lubricants.

A summary of the database entries that include potentially contaminating activities within the subject site study area is provided below.

- Five TSSA Pipeline Incidents:

- One listing for 140 Victoria Avenue in 2014. The spill was reported as a natural gas spill to air after an excavator struck a ¾" pipeline.
- One listing to 135 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ½" pipeline.
- One listing for 230 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ¾" pipeline.
- One listing for 220 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ¾" pipeline.
- One listing for 150 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ½" pipeline.
- Seven Ontario Spills Incidents:
  - One listing for 140 Victoria Avenue in 2014. The spill was reported as a natural gas spill to air after an excavator struck a ¾" pipeline. This incident appears to be related to TSSA incident No. 1463368 described above.
  - One listing to 135 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ½" pipeline. This incident appears to be related to TSSA incident No. 1941086 described above.
  - One listing for 230 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ¾" pipeline. This incident appears to be related to TSSA incident No. 1921906 described above
  - One listing for 160 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after an excavator struck a ¾" pipeline.
  - One listing for 217 Oak Street in 2016. The spill was reported as 1 litre of transmission oil (mineral oil) spilled at a transformer causing soil contamination. The spill was cleaned up and no anticipated environmental impact was anticipated.
  - One listing for 384 Victoria Avenue in 2016. The spill was reported as a natural gas spill to air after a ½" service line was struck. Possible environmental impact was not confirmed.

- One listing for 325 Oak Street in 2011. The spill was reported as the smell of gasoline in the basement residence. Air pollution was confirmed as an environmental impact.

The TSSA and Ontario Spills Incidents are reportedly related to natural gas spills, therefore, the incidents are not inferred to result in onsite contamination to the subject site.

- Two Certificates of Approval (CofA):
  - One CofA for municipal sewage for Gananoque Housing Authority at Victoria Avenue and Third Street in 1991.
  - One CofA for waste management systems at 160 Oak Street in 2006.
- Nine Environmental Compliance Approvals (ECA):
  - One ECA for municipal and private sewage works at 170 Elm Street in 2011.
  - Two ECAs for industrial sewage works at Part of Lot 11, Concession 1 in 2006.
  - One ECA for industrial sewage works at an unlisted address in 2011.
  - Two ECAs for municipal and private sewage works at King Street in 2005.
  - Two ECAs for municipal and private sewage works at Charles, Georgina, Emma, Stone, Ann and Queen Streets in 2008.
  - One ECA for waste management systems at 160 Oak Street in 2006.

The CofA and ECA entries related to sewage works (e.g. connections to the municipal sewers system) are not inferred to result in onsite contamination to the subject site. The ECA for waste management systems at 160 Oak Street in 2006 appears to be related to a residential dwelling. The ECA suggests that 160 Oak Street is the location of a “truck storage yard” and indicates that waste shall at no time be stored or transferred to the storage yard at this address. This entry has not been identified as a source that may result in onsite contamination to the subject site.

- One Abandoned Mine Information System entry for a granite quarry. The quarry status is listed as producing as of 2006.

- One Mineral Occurrences listing for a past producing mine without reserves, effective 2011.

Several database entries were listed as “unplottable”. One “unplottable” report appears to be located within the study area:

- A spill to Maple Street was reported in 2001. The spill was reportedly caused by a pipe or hose leak of 30 to 50 litres of hydraulic oil to the road and shoulder. Environmental impact was listed as possible. During our site reconnaissance (Section 5.0) we walked along the western edge of the subject site (adjacent to Maple Street) and did not observe staining that might identify an ongoing impact arising from the potential spill near the subject site.

#### *Water Well Records*

An *ERIS* search of the Ontario Ministry of the Environment, Conservation and Parks (*MECP*)’s Water Well Information System did not identify water well records (WWRs) on the subject site. The *ERIS* search identified four WWRs within the subject site study area. A search of the *MECP* online water well record database identified an additional three water well records within the subject site study area during the online search. Water Well Records are provided in Appendix G.

A summary of pertinent information from surrounding WWRs is included below.

Dates Installed:	1954,1971
Use:	water supply (2)
Lithology:	clay (up to 2.5 mbg), underlain by granite (up to 18 mbg)
Water Level:	water was found between 0.6 and 3 mbg
Dates Installed:	2009
Use:	monitoring well (5)
Lithology:	clay up to 7.6 mbg
Water Level:	not reported

We understand that the subject site and surroundings are serviced by municipal water.

<i>Ministry of Natural Resources and Forestry GIS Division</i>	A search of the evaluated wetland data set as provided by Natural Heritage Information Centre (NHIC) did not identify any Areas of Natural and Scientific Interest (ANSIs) or Provincially Significant Wetlands (PSWs) within the study area as of May 2019.
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### 3.8 Geological and Soil Maps

<i>Regional Geology</i>	The Ontario Geological Survey (1991) mapped the bedrock geology of the area as comprising granitic gneisses, migmatites, injection gneisses and pegmatites and mapped the Quaternary geology of the area as undifferentiated glacial till. The physiography of the area is described by Chapman and Putnam (1984) as till plains.
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<i>Regional Hydrogeology</i>	Regional hydrogeology is inferred to flow south and east towards the St. Lawrence and Gananoque Rivers. Local gradients may be influenced by the topography, bedrock and surficial geology
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### 3.9 Summary of Concerns from Records Review

<i>On-site Actual Contamination</i>	No records of actual on-site contamination were identified.
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<i>On-site Potential Contamination</i>	<p>The following sources of on-site potential contamination were identified in the area surrounding the subject site:</p> <ul style="list-style-type: none"><li>• The city directory search identified that the subject site was formerly occupied by Mills Greenhouses (agricultural property use). Aerial photos identified that the greenhouses occupied the south area of the east parcel of the subject site from as early as 1966 until as late as 2005. The pesticide register identified ten pesticide entries for the subject site which appear to be related to the greenhouse operations.</li><li>• The Ontario Regulation 347 Waste Generators Summary identified an entry listed to Bin There Dump That for the subject site. This Waste Generators Summary appears to be related to the closure and removal of greenhouse structures and associated equipment and supplies following closure of the greenhouse operation.</li></ul>
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<i>Off-site Actual Contamination</i>	No records of actual off-site contamination were identified.
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<i>Off-site Potential Contamination</i>	<p>The following sources of off-site potential contamination were identified in the area surrounding the subject site:</p> <ul style="list-style-type: none"><li>• Fire insurance mapping identified historic operations at 74 and 77 Oak Street (approximately 140 m east of the subject site) identified as St. Lawrence Oil and Supply Company. The property appeared to have five</li></ul>
---	---



vertical and five horizontal above ground storage tanks. Two of the tanks are noted to be “15,000 gals Oil Tanks”. The fire insurance map also identified a rail way line approximately 120 m northeast of the subject site. Based on the inferred groundwater flow direction, and distance from the subject site, the potential for environmental impact to the subject site is inferred to be low.

- An industrial / commercial operation identified as Thomson Fasteners was identified north of the subject site at 290 Fourth Street. Based on the inferred groundwater flow direction, and distance to the subject site (220 meters northeast), the potential for this operation to have environmental impact to the subject site is low.
- One Abandoned Mine Information System entry for a granite quarry was reported northwest of the subject site. The reviewed aerial photos did not identify major mining operations to have been undertaken within the study area and due to the distance relative to the subject site (240 meters northwest), the potential for this operation to have environmental impact to the subject site is low.

*Other  
Concerns*

Other concerns included an entry for a spill of approximately 30 to 50 litres of hydraulic oil on Maple Street in 2001. The exact location on Maple Street was not reported. During the site reconnaissance visit we walked along Maple Street, adjacent to the subject site property boundary, and did not observe evidence of an ongoing impact resulting from a spill (e.g. staining or sheen).

## 4.0 INTERVIEWS

Interviews (Task 2) consist of contacting government agencies, site personnel, and third parties by telephone, letter, email, or in person. Information from interviews is used to supplement information available from the records review and to assess site history or site sensitivity.

### 4.1 Site Personnel

<i>Current Property Owner</i>	Dewey Hall, Current Property Owner	613-541-8169
	Dewey Hall is the current owner of the east parcel of the subject site. Mr. Hall has reportedly owned the east parcel since 2012. Mr. Hall reported that the subject site was formerly occupied by Mills Greenhouses. The greenhouses had been removed and the natural gas supply had been turned off prior to his purchase of the property. Mr. Hall noted that commercial operations relating to Mills Flower Shop and greenhouse sales occurred out of the house located directly south of the subject site. Mr. Hall noted that he purchased the property from a bank foreclosure, and that the waste generators entry for Bin There Dump That (see Section 3.7 above), was reportedly associated with the removal of greenhouse structures. Mr. Hall did not recall any spills or environmental issues on or in the area of the subject site.	
<i>Former Property Owner</i>	Don Mills, Previous Property Owner	613-328-2399
	Don Mills is a former property owner of the east parcel of the subject site, having owned the parcel until 2010. Mr. Mills reported that his family had owned the east parcel of the subject site for approximately 100 years. Mr. Mills reported that, prior to the Mills family, the Stevens family owned the property, using the land for agriculture / farming purposes. The original house for the property is not included in the east parcel and is located adjacent to the south property line. Mr. Mills reported that the subject site formerly contained a small building (reported as a “shed”) which was used for maintenance activities associated with the greenhouse operations. Maintenance activities reportedly consisted of sharpening of sheers and cutting tools. Mr. Mills noted that they occasionally sharpened tools for a local quarry, however, he noted this service was “occasional” and was not a business. The first greenhouses were reportedly constructed in 1956. Greenhouse framing was constructed on concrete footings, poured to a depth of approximately 4 feet. Crushed limestone gravel was placed as base flooring for the greenhouse structures. At the time the greenhouse operations ceased, there was reportedly approximately 50,000 square feet of greenhouse space on the east parcel. These greenhouses were removed approximately 10 years ago. The property was serviced with natural gas; a 2” natural gas line runs through the property approximately 30 feet from the eastern fence. Mr. Mills did not recall any above grade or underground storage tanks to have occupied the subject site. Mr. Mills reported that there was not any bulk storage of petroleum products, chemicals or pesticides on the property. Pesticides were used in small quantities for the greenhouse operations and were stored in a steel cabinet inside one of the greenhouses. Mr. Mills reported that the culvert that runs across the southern part of the property was installed approximately 20 years ago. This culvert was intended to	

direct surface water, historically flowing along a ditch, below ground so that additional greenhouse structures could be erected. Mr. Mills did not recall any spills or environmental issues on or in vicinity of the subject site. Mr. Mills reported that, during the time his family owned the east parcel, hay was grown on the west parcel by a family living in the house at the corner of Maple Street and Second Street.

## 4.2 Government Agencies

*Ministry of  
Natural  
Resources and  
Forestry*

The *MNRF* was contacted through a Freedom of Information (FOI) request. At the time of this report, no response has been received from the *MNRF*. Correspondence will be provided when received.

*Ministry of the  
Environment  
Conservation  
and Parks*

The *MECP* was contacted through a Freedom of Information (FOI) request. At the time of this report, no response has been received from the *MECP*. Correspondence will be provided when received.

*Technical  
Standards and  
Safety  
Authority*

The Technical Standards and Safety Authority (*TSSA*) reported that they have no record in their database of any fuel storage tanks at the west or east parcels of the subject site. A copy of the correspondence is included in Appendix H.

*Cataraqui  
Region  
Conservation  
Authority*

The Cataraqui Region Conservation Authority (*CRCA*) indicated that there are no ANSIs or wetlands located within the subject site study area. A copy of the correspondence is included in Appendix H.

## 4.3 Summary of Concerns from Interviews

*On-site  
Concerns*

The following sources of on-site potential contamination were identified:

- The subject site formerly had a small shed which was used to maintain equipment, sheers and cutting tools associated with the greenhouse operations. Maintenance activities may have required the storage and handling of small quantities of hydrocarbons (e.g. lubricants, fuel) and produced small quantities of metal shavings. Small quantities of pesticide were reportedly used on site. Pesticides were reportedly stored and applied within greenhouse structures. Due to the reportedly small scale of the on-site maintenance activities, and the small amounts of pesticide use reportedly applied in the greenhouse, the potential for these operations to have environmental impact to the subject site is low.

*Off-site  
Concerns*

No reports of off-site contamination or concerns were identified

*Other  
Concerns*

Results from the *MECP* and *MNR* FOI request have not been received at the time of this report. To meet reporting timelines, it was mutually agreed with the client that we would release our Phase I ESA report before the receipt of all records, and provide these records via separate transmittal (when received). There is a risk that FOI information may identify actual and/or potential environmental impacts that were not indicated by the other records reviewed.

## 5.0 SITE RECONNAISSANCE VISIT

<i>Purpose</i>	The site reconnaissance visit (Task 3) consists of a non-invasive walkthrough of the subject property to gain an appreciation for the site setting, surface conditions, visual evidence of potential contamination, and current activities on and adjacent to the site. The site reconnaissance visit was undertaken on May 16, 2019.
<i>Methodology</i>	The site walkthrough was conducted by a representative from <i>Malroz</i> . Pertinent site features were documented and photographed, and are included in Appendix I.
<i>Limitations</i>	At the time of the site walkthrough, the west parcel was overgrown with vegetation and trees. The site reconnaissance walkthrough included observations of the property and pertinent features on the property. At the time of the investigation, no buildings were present on the subject site.
<i>Property Use</i>	At the time of investigation, the subject site was a vacant.
<i>Potable Water Supply</i>	The property is reportedly serviced by municipal water. A water well was not observed during the site visit.

### 5.1 Interior Observations

<i>General</i>	The site was undeveloped at the time of the site walkthrough, no buildings were present on the subject site.
----------------	--

### 5.2 Exterior Observations

<i>General</i>	<p>The east parcel comprises an open field and did not contain observable buildings or structures. Trees, vegetation and a fence bordered the eastern and northern property limits, and a culvert extended across the central portion of the parcel. The west parcel comprises undeveloped land with a mix of trees, vegetation and open marshy areas.</p> <p>Four piles of wood and concrete debris were observed in the centre of the subject site (see Photo 29-30, Appendix I). A small brick pile and wood pile was located at the southeast property boundary of the east parcel (see Photo 21-22, Appendix I). A small metal pile, which appeared to be the remnants of a metal shelving unit was also located in the southeast portion of the east parcel.</p> <p>Debris observed in the west parcel included an abandoned dishwasher, remnants of a trampoline and an abandoned barbeque (see Photo 31, Appendix I). A plastic hose (visually consistent with the type used for irrigation) was observed along the top of the fence at the south-eastern property boundary.</p>
----------------	--

Six locations on the subject site appeared to have been previously excavated. These locations were reportedly related to test pits that were completed by others to investigate soil conditions (e.g. type and thickness) and the depth to bedrock.

*Topographic,  
Geologic and  
Hydrogeologic  
Conditions*

The topography of the east parcel is generally flat with a slight gradient sloping to the south and east. The west parcel included two low-lying marshy areas (see Figure 3).

*Structures*

There were no buildings observed on the site at the time of the investigation.

*Roads, Parking  
Facilities and  
Rights of Way*

A gravel laneway along the property easement at the south end of the subject site was observed. The land title search identified PIN 522 as Birch Street right of way which divides the east and west parcel.

*Wells*

Drinking water wells were not observed during the site visit.

*Stained  
Materials*

Stained materials were not observed during the site visit.

*Stressed  
Vegetation*

Stressed vegetation was not observed during the site visit.

*Fill*

Fill was not observed during the site visit. Granular material (gravel) was observed in the grass in the southeast area of the east parcel. The gravel appears to be associated with the former location of greenhouses that occupied the subject site. Six locations at the subject site (see Figure 3) were previously excavated by others. These locations were reportedly test pits that were completed to investigate soil conditions and the depth to bedrock. It was reported that fill was not observed during test pitting and soil was observed to be clay.

*Utilities*

Overhead electrical lines were observed to cross the property in an east-west direction near the north property boundary. Other utilities were not observed during the site walkthrough. An underground natural gas line reportedly runs north south along the eastern edge of the subject site.

*Odours*

No unusual odours were noted during the site visit.

*Storage tanks,  
drums, and  
pails*

One partially full 5-gallon pail of an unidentified substance was observed in the shrubs along the northern property boundary (see photo 26-27, Appendix I). The unidentified substance was viscous and dark in colour, potentially resembling oil or paint. An empty paint pail and a few small (1 litre or less) empty plastic containers and other debris (see photo 25 Appendix I) were also observed.

*Hazardous  
Materials*

Hazardous materials/chemicals were not observed during the site visit.

<i>Unidentified Substances</i>	As noted above, one partially full 5-gallon pail of an unidentified substance was observed in the shrubs along the northern property boundary (see photo 26-27, Appendix I).
<i>Pits and Lagoons</i>	Pits and lagoons were not observed during the site visit.
<i>Watercourses, Ditches or Standing Water</i>	A marshy area containing standing water was observed in west and south-central areas of the subject site.
<i>Surface Water Management</i>	<p>West parcel surface water runoff appears to be directed toward the marshy area that extends from north to south near the western edge of the subject site.</p> <p>The east parcel was generally flat, however, runoff appeared to be directed to the south and east. A buried culvert appeared to extend through the southern portion of the east parcel. The culvert entry point was observed at the eastern property limit and appeared to direct surface water west from a small topographic high south and east of the subject site toward a small marshy area located at the southern portion of the west parcel.</p>

### 5.3 Neighbouring Property Observations

During the site visit, adjacent and neighbouring properties were observed in order to identify land use and potential contamination originating at these properties.

<i>North</i>	A forested and marshy area were observed north of the subject site. A residential community (Gananoque Family Housing) was observed north and northeast of the subject site. A manufacturing operation (Thomson Fasteners) was observed approximately 220 meters northeast of the subject site.
<i>East</i>	Residential properties were observed east of the subject site. A former railway line (now a public access trail) runs northwest-southeast beyond the residential properties. A vacant lot containing monitoring wells was observed approximately 150 meters east of the subject site, followed by a commercial property, currently Gananoque U Brew, which appeared to be formerly an automotive garage.
<i>South</i>	Residential properties were observed directly south of the subject site.
<i>West</i>	Residential and agricultural properties were observed west of the subject site. A former (inactive) quarry was observed approximately 150 meters northwest of the site.



## 5.4 Summary of Concerns from Site Reconnaissance Visit

<i>On-site Actual Contamination</i>	No on-site contamination was observed during the site reconnaissance visit.
<i>On-site Potential Contamination</i>	<p>The following sources of potential on-site contamination were noted during the site reconnaissance visit:</p> <ul style="list-style-type: none"><li>• One partially full 5-gallon pail of an unidentified substance, and an empty paint pail was among the shrubs and other litter near the northern property boundary. Due to the low volume of the unidentified substance observed, the related risk from this on-site source of potential contamination is considered low.</li><li>• Small debris piles containing stockpiled brick, concrete, metal and wood were noted in centre and southeast portions of the subject site (see Figure 3). Other debris including a dishwasher and barbeque appliance were observed in the west parcel. Due to the relatively small size and contents of the debris piles, the related risk for a source of potential contamination is low.</li></ul>
<i>Off-site Actual Contamination</i>	No off-site actual contamination was observed in the area surrounding the subject site.
<i>Off-site Potential Contamination</i>	<p>The following sources of off-site potential contamination was observed in the area surrounding the subject site:</p> <ul style="list-style-type: none"><li>• A commercial property (Gan-U-Brew), located approximately 200 meters east of the subject site, appears to be the location of a former automotive garage. Based on the inferred groundwater flow direction, and distance from the subject site (200 m east), the potential for this operation to have environmental impact to the subject site is low.</li><li>• Industrial / commercial operations identified as Thomson Fasteners was identified northeast of the subject site at 290 Fourth Street. Based on the inferred groundwater flow direction, and distance from the subject site (220 m northeast), the potential for this operation to have environmental impact to the subject site is low.</li></ul>

## 6.0 FINDINGS

A summary of the findings from document reviews, interviews, and site reconnaissance activities is provided below.

*On-site Actual  
Contamination*

On-site actual contamination was not identified during the investigation.

*On-site  
Potential  
Contamination*

The following sources of on-site potential contamination were noted:

- The site was formerly used for agricultural purposes. Aerial photos and interviews with the former property owners identified that greenhouses were operated in the south area of the east parcel from as early as 1966 to as late as 2005. The pesticides register had 10 entries for the subject site. A former property owner reported that pesticides used on the site were stored in small containers stored in a metal cabinet and applied in greenhouses. Given the reportedly limited quantity stored and applied within the greenhouses, we infer that impacts arising from pesticide use are limited. The greenhouses were reportedly heated with natural gas, which is not considered to present an impact to site soil or groundwater.
- Maintenance of tools and equipment associated with greenhouse operations was reportedly completed in a small building (shed). Maintenance activities included sharpening of shears and cutting equipment. These activities may have required/generated small quantities of hydrocarbons (e.g. fuel, lubricants) and/or metal filings. Given that this activity was reportedly limited in frequency and scale, we infer that environmental impacts arising from this activity are limited.
- The Ontario Regulation 347 Waste Generators Summary identified an entry listed to Bin There Dump That for the subject site. This waste Generators Summary appears to be related to the closure and removal of greenhouse operations in 2010.
- A 5-gallon pail containing a dark and oily unidentified substance, an empty paint pail and other litter were observed near the northern property boundary. Due to the small quantities of the containers and the unidentified substance observed, we infer that the potential for environmental impacts arising from this material is limited.
- Small debris piles containing stockpiled brick, concrete, metal and wood were noted in the center and southeast portions of the subject site. Other debris including a dishwasher and barbeque were observed in the west parcel. Due to the relatively small size and contents of the debris, the risk of environmental impact is inferred to be low.

*Off-site Actual  
Contamination*

No records of actual off-site contamination were identified.

*Off-site  
Potential  
Contamination*

The following sources of off-site potential contamination were identified in the area surrounding the subject site:

- Fire insurance mapping identified the historic operation of the St. Lawrence Oil and Supply Company at 74 and 77 Oak Street (140 meters east of the subject site). The operation appeared to include five vertical and five horizontal above ground storage tanks. Two of the tanks are noted to be “15,000 gals Oil Tanks”. The fire insurance map also identified a former rail line 120 m northeast of the subject site. Based on the inferred groundwater flow direction, and distance from the subject site the potential for environmental impact to the subject site arising from the rail line and former St Lawrence Oil Supply Company property is considered low.
- An industrial/commercial operation identified as Thomson Fasteners is located northeast of the subject site at 290 Fourth Street. Based on the inferred groundwater flow direction, and distance from the subject site (220 m northeast), the potential for this operation to have environmental impact to the subject site is considered low.
- One Abandoned Mine Information System entry for a granite quarry was reported northwest of the subject site. Reviewed aerial photos did not identify significant ongoing mining operations and due to the distance of the inferred location of the abandoned mine/quarry (150 meters northwest), the potential for this operation to have environmental impact to the subject site is considered low.
- A commercial property (Gan-U-Brew), formerly an automotive service garage, is located approximately 200 meters east of the subject site. Based on the inferred groundwater flow direction, and distance to the subject site, the potential for this operation to have environmental impact to the subject site is considered low.

*Other Concerns*

At the time of this report, no response has been received from the *MECP* or the *MNRF*.

An unplotable spill of 30 to 50 liters was reported on Maple Street. The exact location on Maple Street could not be determined. Our site reconnaissance visit did not note any staining or observation of environmental impairment along the western edge of the subject site, adjacent to Maple Street.

## 7.0 CONCLUSIONS

Based on the past agricultural use of the subject site, results of our document review and site reconnaissance visit, we have not identified environmental concerns that would lead us to recommend further (intrusive) investigation (e.g. soil and groundwater sampling) at this time.

Records and observations indicate that the current property use surrounding the subject site is primarily residential with some current and historic industrial/commercial and agricultural land use. The presence of a former oil storage facility (St. Lawrence Oil Supply) to the north of the subject site, a rail line to the northeast, a former automotive garage (presently Gan-U-Brew) to the east, an operating manufacturing facility (Thomson Fasteners) to the northeast and a former quarry operation to the northwest represent potentially contaminating activities. However, there is a low probability that they have created an area of potential environmental concern at the subject site based on the distance from the subject site and/or inferred groundwater flow direction (regionally south to the St Lawrence River and locally east to the Gananoque River).

The site was previously used for agricultural purposes. Potentially contaminating activities associated with this site use included the storage and handling of pesticides (reportedly applied in greenhouses), and periodic maintenance of equipment and sharpening of tools that may have generated hydrocarbon residues and metal filings. Considering the passage of time, and that pesticides were reportedly applied within the greenhouses, the potential for environmental impacts is anticipated to be limited. Similarly, the infrequent and limited nature of tool and equipment maintenance activities is also anticipated to present a low potential for environmental impact.

The site reconnaissance visit identified small amounts of debris present on the site, including a 5 gallon pail containing an unidentified substance, wood, brick/concrete piles, and miscellaneous household items (e.g. barbeque). Debris should be properly disposed of at a suitably licensed waste disposal site or recycler. Based on the limited quantity of the debris observed, and no observations of significant impact (e.g. extensive soil staining), we infer that the debris piles present a low potential for environmental impact.

We understand that the subject site will be redeveloped for residential purposes. During site development, should additional debris and/or environmental impact be encountered beyond that noted above, *Malroz*, should be contacted to re-evaluate our conclusions and assess if further investigation for onsite contamination should be completed.

## **8.0 REFERENCES**

Barnett, P.J., Cowan, W.R., and Henry, A.P. (1991). *Quaternary Geology of Ontario, southern sheet*; Ontario Geological Survey, Map 2556, scale 1:1,000,000.

Canadian Standards Association (CSA). 2001. *Z768-01 Phase I Environmental Site Assessment*

Chapman, L.J., and Putnam, D.F. (1984) *Physiography of Southern Ontario*; Ontario Geological Survey, Map P.2715 (coloured), Scale 1:600,000.



Ontario Geological Survey 1991, *Bedrock geology of Ontario, southern sheet*; Ontario Geological Survey Map 2544, scale 1:1,000,000. 1991

## **Appendix A**


### **Figures**





 study area  
 approximate subject site boundary




R0	2019-05-13	issued in final	RV	EG
Rev	Date	Description	By	Chkd
Site Location Plan				
Phase 1 ESA 460 Second Street, Gananoque, Ontario				
File: 1234-100.00		Figure 1		

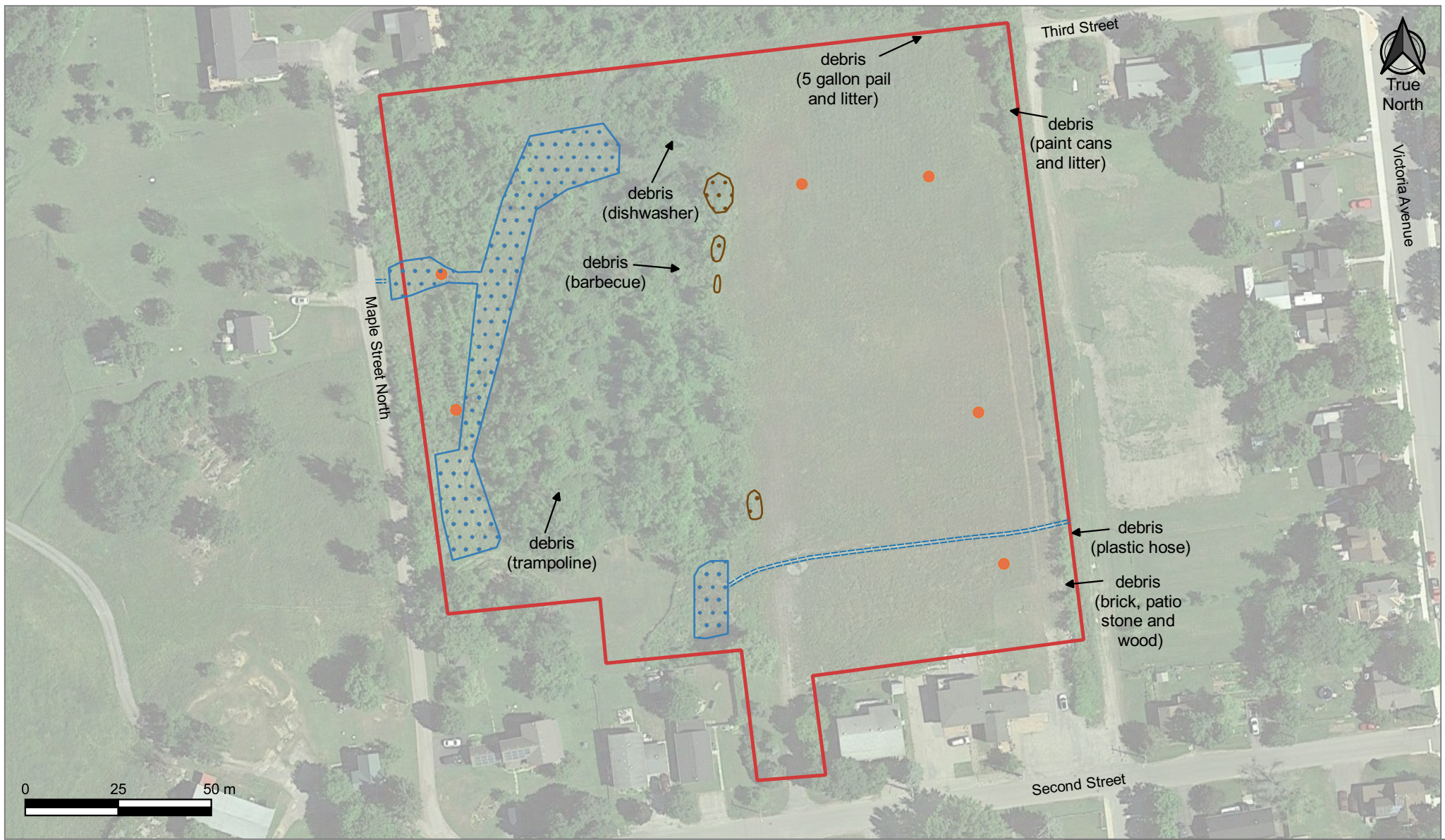




- |                                     |   |
|-------------------------------------|---|
| ① former quarry/former mine         | ⑦ vacant - formerly St. Lawrence Oil Supply   |
| ② Thomson Fasteners                 | ⑧ commercial - former Automotive Garage   |
| ③ residential                       | ⑨ residential - formerly St. Lawrence Oil Supply  |
| ④ vacant (wooded)                   |  study area                        |
| ⑤ Gananogue Trails - former railway |  approximate subject site boundary |
| ⑥ Gananogue Family Housing          |   |

R0	2019-05-28	issued in final	RV	EG
Rev	Date	Description	By	Chkd
Surrounding Land Use				
Phase 1 ESA 460 Second Street, Gananogue, Ontario				
File:1234-100.00		<b>Figure</b> <b>2</b>		





- approximate subject site boundary
- marshy area
- concrete and/or wood debris piles
- approximate location of culvert
- testpits previously completed by others

R0	2019-06-12	issued in final	RV	DC
Rev	Date	Description	By	Chkd
Site Plan				
Phase 1 ESA 460 Second Street, Gananoque, Ontario				
File:1234-100.00		Figure 3		

## **Appendix B**

### **Aerial Photographs**


## FEDERAL/PROVINCIAL LIBRARIES

DATE	ROLL NUMBER	SCALE
1931	A3254_29	1:15,000
1948	A11396_129	1:25,000
1955	A15127_11	1:10,000
1966	VRR2680_16	~1:15,000
1974	A23672_245	1:20,000
1989	A27549_165	1:10,000
1994	A28135_20	1:20,000
2005	Google Satellite	~1:10,000
2013	Google Satellite	~1:10,000
2018	Google Satellite	~1:10,000


Approximate subject property boundaries are delineated in red.






 approximate subject site boundary

Aerial Photo 1931 (Federal)

0 100 200 m  






 approximate subject site boundary


Aerial Photo 1948 (Federal)

0 100 200 m






True  
North


 approximate subject site boundary

Aerial Photo 1955 (Federal)


0 100 200 m  







 approximate subject site boundary

Aerial Photo 1966 (Federal)


0 100 200 m  






 approximate subject site boundary

Aerial Photo 1974 (Federal)

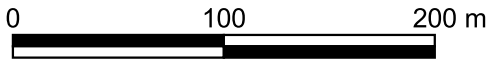
0 100 200 m  







 approximate subject site boundary

Aerial Photo 1989 (Federal)








 approximate subject site boundary


Aerial Photo 1994 (Federal)

0 100 200 m  







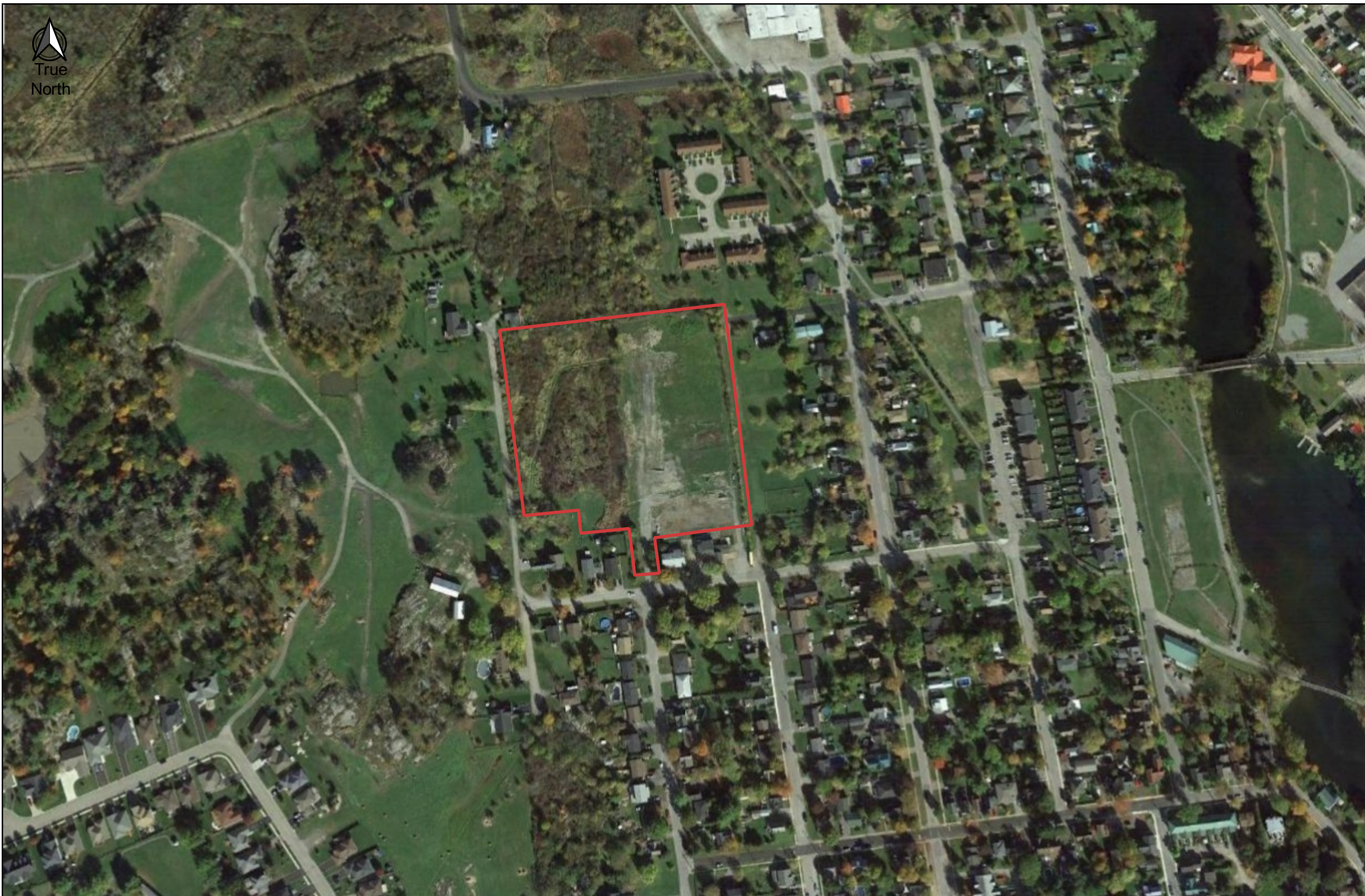
True  
North


 approximate subject site boundary

Aerial Photo 2005 (Google Satellite)


0 100 200 m  







 approximate subject site boundary

Aerial Photo 2013 (Google Satellite)


0 100 200 m  






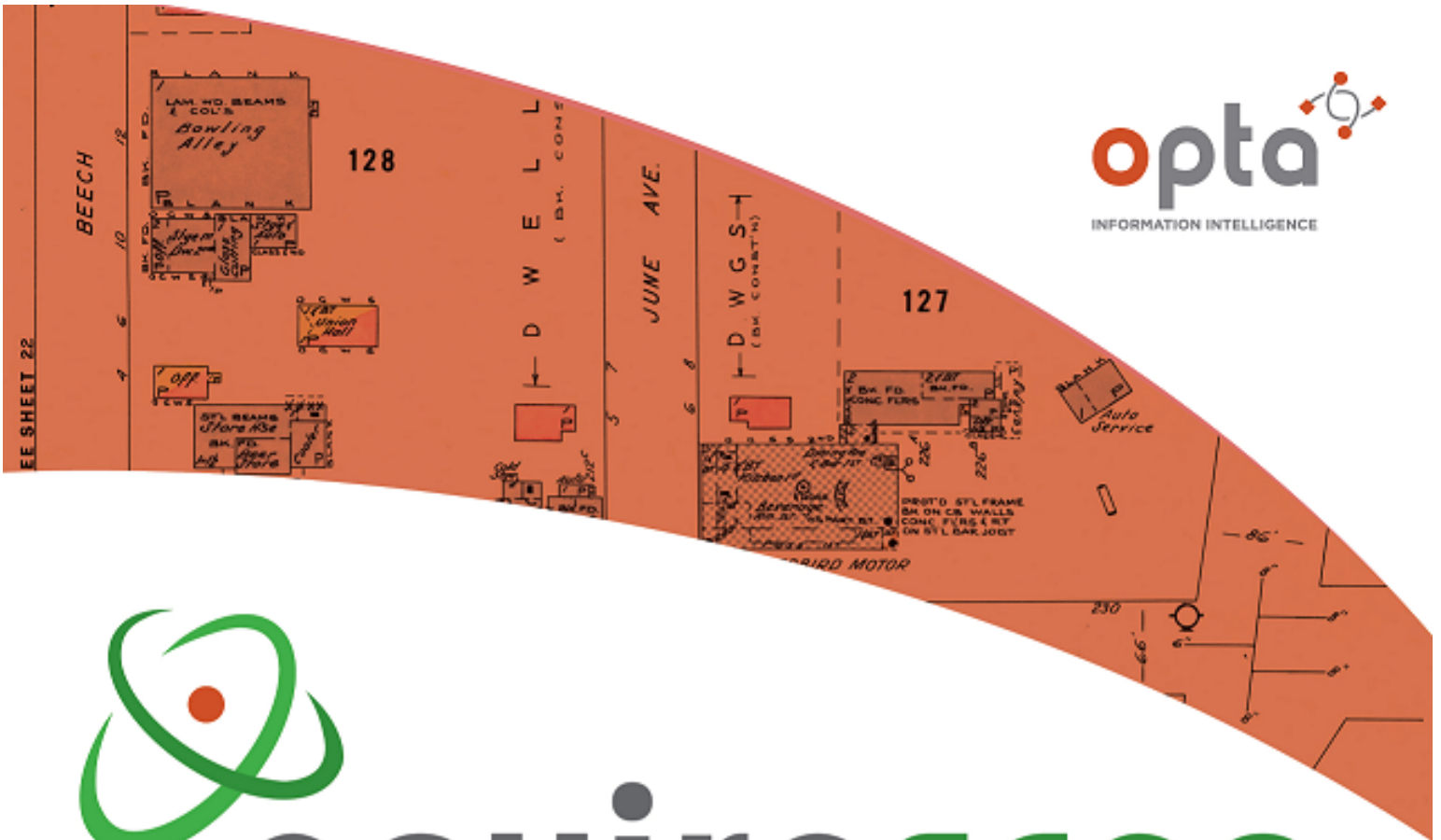
 approximate subject site boundary

Aerial Photo 2018 (Google Satellite)

0 100 200 m  




**Appendix C**  
**Fire Insurance Report**



# enviroscan



An SCM Company

175 Commerce Valley Drive W  
Markham, Ontario L3T 7Z3

T: 905-882-6300  
W: [www.optaintel.ca](http://www.optaintel.ca)

Report Completed By:

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Site Address:

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Date Completed: 05/27/2019 11:56:43



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DU Y. "

Project Name: 1234 460 Second Street

Project #: 20190501203  
P.O. #: 1234

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Eleanor Goolab  
Date Completed: 05/27/2019 11:56:43



OPTA INFORMATION INTELLIGENCE

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### FYdcfh

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### 8]gWUJa Yf

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### 9bh]fY'5 [ fYYa Ybh

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

### ; c] Yfb]b[ '8cW a Ybh

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

@k

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



175 Commerce Valley Drive W  
Markham, Ontario  
L3T 7Z3

H. 905.882.6300  
Hc'': fYY. 905.882.6300  
:. 905.882.6300

An SCM Company  
k k k 'cdH]bH'WU

**DU Y. (**  
Project Name: 1234 460 Second  
Street

Project #: 20190501203  
P.O. #: 1234

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Eleanor Goolab  
Date Completed: 05/27/2019 11:56:43



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DU Y.)

Project Name: 1234 460 Second Street

Project #: 20190501203

P.O. #: 1234

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%(+'Jc'i a Y.; UbUbei Y': JfYa Ud. &  
; UbUbei Y'D'Ub. +% 'f% (+L  
G Y'h &f% (+L

FYei YghX'Vm

Eleanor Goolab

Date Completed: 05/27/2019 11:56:43



OPTA INFORMATION INTELLIGENCE

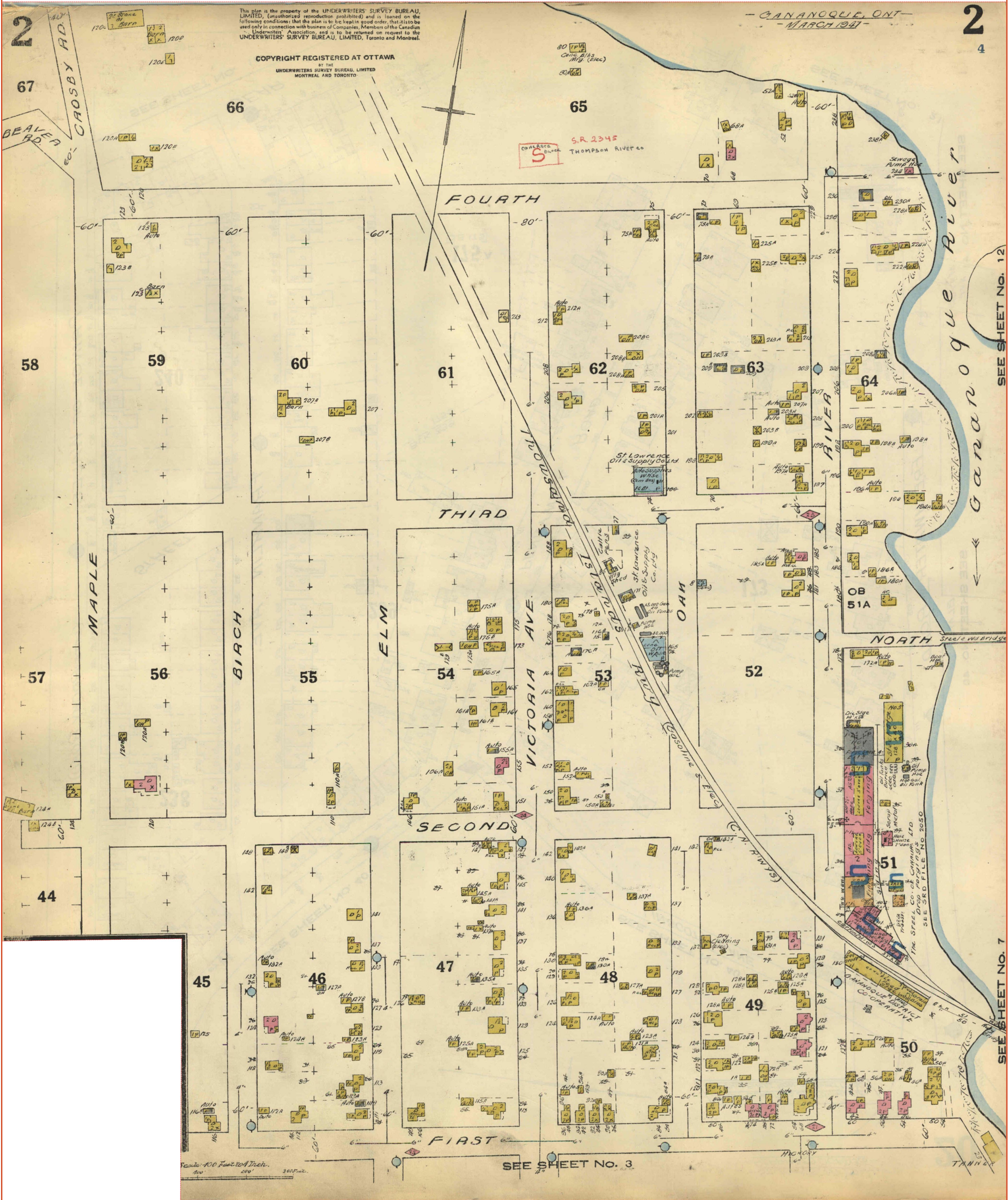
: -D' @Wlrf A Ud  
The detailed FIP is on the following page



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**Appendix D**  
**City Directory Search**



**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



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CITY  
**DIRECTORY**

**Project Property:** *460 Second Street, Gananoque, ON*  
**Report Type:** *City Directory*  
**Order No:** *20190501203*  
**Information Source:** *Polk's Gananoque & Area, Ontario Criss-Cross Directory*  
**Date Completed:** *09/05/2019*

**Environmental Risk Information Services**

A division of Glacier Media Inc.

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

City Directory Information Source	
Polk's Gananoque & Area, Ontario Criss-Cross Directory	

<b>PROJECT NUMBER:</b> 20190501203	
<b>Site Address:</b>	460 Second Street, Gananoque, ON
<b>Year:</b> 1999	
<b>Site Listing:</b>	-Mills Flower Shop & Greenhouses -Mills Garden Centre & Greenhouses -Res (2 Tenants)
<b>Adjacent Properties:</b>	
<b>480 Second Street</b>	-Res (1 Tenant)
<b>540 Second Street</b>	-Res (1 Tenant)
<b>700 Second Street</b>	-Res (2 Tenants)
<b>298 Third Street</b>	-Address Not Listed
<b>290 Fourth Street</b>	-Thomson Fasteners Inc.
<b>190 Oak Street</b>	-Res (1 Tenant)

<b>295 Oak Street</b>	-Gan-U-Brew
<b>198 Maple Avenue</b>	-Address Not Listed
<b>215 Maple Avenue</b>	-Address Not Listed
<b>334 Victoria Avenue</b>	-Gananoque Family Housing Inc.  -Gananoque Mobile Wash  -Multi-Tenant Residential

<b>PROJECT NUMBER:</b> 20190501203	
<b>Site Address:</b>	460 Second Street, Gananoque, ON
<b>Year:</b> 1997	
<b>Site Listing:</b>	-Mills Flower Shop & Greenhouses  -Res (1 Tenant)
<b>Adjacent Properties:</b>	
<b>480 Second Street</b>	-Res (1 Tenant)
<b>540 Second Street</b>	-Res (1 Tenant)

<b>700 Second Street</b>	-Res (2 Tenants)
<b>298 Third Street</b>	-Address Not Listed
<b>290 Fourth Street</b>	-Address Not Listed
<b>190 Oak Street</b>	-Res (1 Tenant)
<b>295 Oak Street</b>	-Gan-U-Brew
<b>198 Maple Avenue</b>	-Address Not Listed
<b>215 Maple Avenue</b>	-Address Not Listed
<b>334 Victoria Avenue</b>	-Multi-Tenant Residential

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

***\*\*Gananoque, ON is listed from 1997 to 1999 within the city directory archives\*\****

**Appendix E**  
**Land Title Records & Zoning**

PROPERTY DESCRIPTION:

LT 181 W GANANOQUE RIVER, 182 W GANANOQUE RIVER, 183 W GANANOQUE RIVER, 184 W GANANOQUE RIVER, 185 W GANANOQUE RIVER, 186 W GANANOQUE RIVER, 187 W GANANOQUE RIVER, 188 W GANANOQUE RIVER, 189 W GANANOQUE RIVER, 190 W GANANOQUE RIVER, 191 W GANANOQUE RIVER, 192 W GANANOQUE RIVER, 193 W GANANOQUE RIVER, 194 W GANANOQUE RIVER, 195 W GANANOQUE RIVER, 196 W GANANOQUE RIVER, 197 W GANANOQUE RIVER, 198 W GANANOQUE RIVER, 199 W GANANOQUE RIVER, 200 W GANANOQUE RIVER PL 86 EXCEPT PT 1 28R5713; GANANOQUE

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE  
LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK

PIN CREATION DATE:

2006/09/25

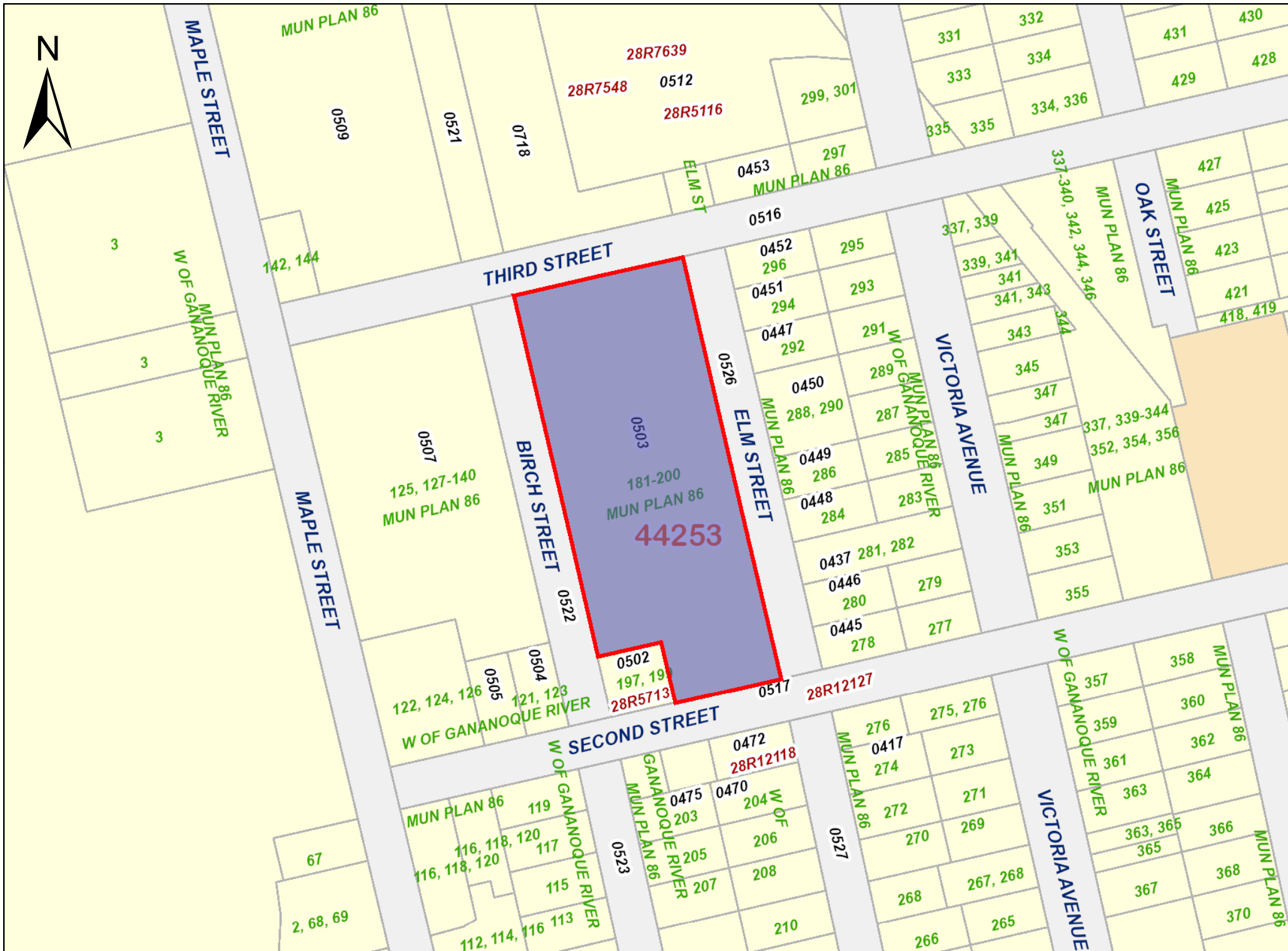
OWNERS' NAMES

ROCKY ACRES ESTATES INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **					
**SUBJECT,	ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:					
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *					
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF CONVERSION TO	LAND TITLES: 2006/09/25 **					
LE51787	2012/11/28	TRANSFER	\$100,000	1518017 ONTARIO INC.	ROCKY ACRES ESTATES INC.	C
REMARKS: PLANNING ACT STATEMENTS.						
LE61304	2013/12/19	CHARGE	\$400,000	ROCKY ACRES ESTATES INC.	THE TORONTO-DOMINION BANK	C
LE61305	2013/12/19	NO ASSGN RENT GEN		ROCKY ACRES ESTATES INC.	THE TORONTO-DOMINION BANK	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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PROPERTY DESCRIPTION:

LT 125 W GANANOQUE RIVER, 127 W GANANOQUE RIVER, 128 W GANANOQUE RIVER, 129 W GANANOQUE RIVER, 130 W GANANOQUE RIVER, 131 W GANANOQUE RIVER, 132 W GANANOQUE RIVER, 133 W GANANOQUE RIVER, 134 W GANANOQUE RIVER, 135 W GANANOQUE RIVER, 136 W GANANOQUE RIVER, 137 W GANANOQUE RIVER, 138 W GANANOQUE RIVER, 139 W GANANOQUE RIVER, 140 W GANANOQUE RIVER PL 86 S/T INTEREST IN LR209038; GANANOQUE

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE  
LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK

PIN CREATION DATE:

2006/09/25

OWNERS' NAMES

PAVAO, GUILHERME

CAPACITY SHARE

ROWN

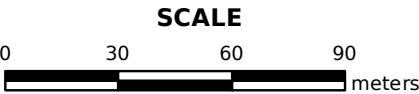
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALL	DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED)	**			
**SUBJECT,	ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:					
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES	*				
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF	CONVERSION TO	LAND TITLES: 2006/09/25	**			
LR209038	1990/05/23	TRANSFER	\$80,000		PAVAO, GUILHERME	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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FOR EEGOOLAB



PROPERTY INDEX MAP  
LEEDS(No. 28)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE  
PROPERTY INFORMATION AS THIS MAP MAY  
NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND  
DOCUMENTS RECORDED IN THE LAND  
REGISTRATION SYSTEM AND HAS BEEN PREPARED  
FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE  
RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT  
REFERENCE PLANS ARE NOT ILLUSTRATED







# DATABASE REPORT

**Project Property:** 1234 - 460 Second Street  
460 Second Street  
Gananoque ON K7G 2K2

**Project No:** 1234

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

**Order No:** 20190501203

**Requested by:** Malroz Engineering Inc.

**Date Completed:** May 9, 2019



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# Executive Summary

## Property Information:

**Project Property:** 1234 - 460 Second Street  
460 Second Street Gananoque ON K7G 2K2

**Project No:** 1234

## **Coordinates:**

**Latitude:** 44.330126  
**Longitude:** -76.173334  
**UTM Northing:** 4,909,209.72  
**UTM Easting:** 406,451.96  
**UTM Zone:** UTM Zone 18T

**Elevation:** 292 FT  
88.88 M

## Order Information:

**Order No:** 20190501203  
**Date Requested:** May 1, 2019  
**Requested by:** Malroz Engineering Inc.  
**Report Type:** Quote - Custom-Build Your Own Report

## Historical/Products:

**Aerial Photographs** Aerials - National Collection - .tiff files  
**City Directory Search** CD - Subject Site plus 10 Adjacent Properties  
**Insurance Products** Fire Insurance Maps/Inspection Reports/Site Plans  
**Land Title Search** Current Land Title Search

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.35 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	1	1
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	2	2
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	9	9
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 TSSA Expired 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
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	1	1
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</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

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.35 km</i>	<i>Total</i>
MNR	Mineral Occurrences	Y	0	1	1
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	10	10
PINC	TSSA Pipeline Incidents	Y	0	5	5
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	7	7
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	4	4
<b>Total:</b>			0	40	40



## Executive Summary: Site Report Summary - Project Property

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

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

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#"><u>1</u></a>	PES	MILLS FLOWERS	460 SECOND ST GANANOQUE ON K7G2K2	E/45.9	0.00	<a href="#"><u>20</u></a>
<a href="#"><u>1</u></a>	PES	MILLS GREENHOUSES	460 SECOND ST GANANOQUE ON K7G2K2	E/45.9	0.00	<a href="#"><u>20</u></a>
<a href="#"><u>1</u></a>	PES	920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012)	460 SECOND ST GANANOQUE ON K7G2K2	E/45.9	0.00	<a href="#"><u>20</u></a>
<a href="#"><u>1</u></a>	PES	MILLS FLOWERS	460 SECOND ST GANANOQUE ON K7G2K2	E/45.9	0.00	<a href="#"><u>21</u></a>
<a href="#"><u>1</u></a>	PES	MILLS GREENHOUSES	460 SECOND ST GANANOQUE ON K7G2K2	E/45.9	0.00	<a href="#"><u>21</u></a>
<a href="#"><u>1</u></a>	PES	920661 ONTARIO LTD / MILLS GREENHOUSES & FLOWER SHOP	460 SECOND ST. GANANOQUE ON K7G2K2	E/45.9	0.00	<a href="#"><u>21</u></a>
<a href="#"><u>2</u></a>	GEN	Bin There Dump That	460 Second St Gananoque ON K7G 2K2	SE/77.5	0.00	<a href="#"><u>22</u></a>
<a href="#"><u>2</u></a>	PES	MILLS GREENHOUSES	460 SECOND STREET GANANOQUE ON K7G 2K2	SE/77.5	0.00	<a href="#"><u>22</u></a>
<a href="#"><u>2</u></a>	PES	920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012)	460 SECOND ST GANANOQUE ON K7G 2K2	SE/77.5	0.00	<a href="#"><u>22</u></a>
<a href="#"><u>2</u></a>	PES	920661 ONTARIO LTD / MILLS GREENHOUSES & FLOWER SHOP	460 SECOND ST. GANANOQUE ON K7G 2K2	SE/77.5	0.00	<a href="#"><u>23</u></a>
<a href="#"><u>2</u></a>	PES	920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012)	460 SECOND ST GANANOQUE ON K7G 2K2	SE/77.5	0.00	<a href="#"><u>23</u></a>
<a href="#"><u>3</u></a>	WWIS		ON	W/131.5	1.03	<a href="#"><u>23</u></a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 3602356			
<a href="#">4</a>	WWIS		Gananoque ON Well ID: 7138538	NNE/161.2	1.05	<a href="#">26</a>
<a href="#">5</a>	WWIS		ON Well ID: 3604856	WNW/163.5	-1.01	<a href="#">28</a>
<a href="#">6</a>	PINC		230 VICTORIA AVENUE, GANANOQUE ON	ESE/165.3	-1.00	<a href="#">32</a>
<a href="#">6</a>	SPL	Union Gas Limited	230 victoria avenue Gananoque ON	ESE/165.3	-1.00	<a href="#">32</a>
<a href="#">7</a>	PINC		220 VICTORIA AVE, GANANOQUE ON	ESE/166.4	-1.00	<a href="#">33</a>
<a href="#">8</a>	ECA	The Corporation of the Town of Gananoque	170 170 Elm St Gananoque ON K7G 2T6	SSE/169.3	0.00	<a href="#">33</a>
<a href="#">9</a>	ECA	The Corporation of the Separated Town of Gananoque	King Street West Gananoque ON K7G 1E9	ESE/188.4	-1.00	<a href="#">34</a>
<a href="#">9</a>	ECA	The Corporation of the Separated Town of Gananoque	King Street West Gananoque ON K7G 1E9	ESE/188.4	-1.00	<a href="#">34</a>
<a href="#">9</a>	ECA	The Corporation of the Separated Town of Gananoque	Charles, Georgianna, Emma, Stone, Ann, Queen Gananoque ON K7G 1E9	ESE/188.4	-1.00	<a href="#">34</a>
<a href="#">9</a>	ECA	The Corporation of the Separated Town of Gananoque	Charles, Georgianna, Emma, Stone, Ann, Queen Gananoque ON K7G 1E9	ESE/188.4	-1.00	<a href="#">35</a>
<a href="#">10</a>	AMIS	ROBERT KEYS	LEEDS ON	ENE/209.1	-1.00	<a href="#">35</a>
<a href="#">10</a>	CA	GANANOQUE HOUSING AUTHORITY INC.-RP #86	VICTORIA AVE./THIRD ST. GANANOQUE SEP. TOWN ON	ENE/209.1	-1.00	<a href="#">36</a>
<a href="#">11</a>	SPL		160 Victoria Street Gananoque ON	SE/236.3	-0.90	<a href="#">36</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#"><u>12</u></a>	MNR	ROBERT KEYS	ON	NW/237.1	1.06	<a href="#"><u>36</u></a>
<a href="#"><u>13</u></a>	PINC		150 VICTORIA AVE, GANANOQUE ON	SE/246.3	-0.19	<a href="#"><u>37</u></a>
<a href="#"><u>14</u></a>	PINC		140 VICTORIA AVENUE, GANANOQUE ON	SE/262.7	0.00	<a href="#"><u>37</u></a>
<a href="#"><u>14</u></a>	SPL	Union Gas Limited	140 Victoria Avenue Gananoque ON	SE/262.7	0.00	<a href="#"><u>38</u></a>
<a href="#"><u>15</u></a>	WWIS		Gananoque ON <b>Well ID:</b> 7151399	ENE/274.2	-2.00	<a href="#"><u>38</u></a>
<a href="#"><u>16</u></a>	SPL	Fortis Ontario Inc.	217 Oak Street Gananoque ON K7G 2R5	ENE/291.9	-2.19	<a href="#"><u>41</u></a>
<a href="#"><u>17</u></a>	ECA	FortisOntario Generation Corporation	Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON	WNW/301.8	2.05	<a href="#"><u>42</u></a>
<a href="#"><u>17</u></a>	ECA	Fortis Ontario Inc.	Leeds and the Thousand Islands ON	WNW/301.8	2.05	<a href="#"><u>42</u></a>
<a href="#"><u>17</u></a>	ECA	FortisOntario Inc.	Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON	WNW/301.8	2.05	<a href="#"><u>42</u></a>
<a href="#"><u>18</u></a>	CA	Stark Battams	160 Oak Street, Lot 364, Conc.86 Gananoque ON	ESE/310.9	-1.00	<a href="#"><u>42</u></a>
<a href="#"><u>18</u></a>	ECA	Stark Battams	160 Oak Street, Lot 364, Conc.86 Gananoque ON K7G 2R4	ESE/310.9	-1.00	<a href="#"><u>43</u></a>
<a href="#"><u>19</u></a>	SPL	Union Gas Limited	384 Victoria Avenue Gananoque ON	NNE/313.0	-0.95	<a href="#"><u>43</u></a>
<a href="#"><u>20</u></a>	PINC		135 VICTORIA AVE, GANANOQUE ON	SE/321.7	0.00	<a href="#"><u>43</u></a>



<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#"><u>20</u></a>	SPL	Union Gas Limited	135 Victoria Ave. Leeds and the Thousand Islands ON	SE/321.7	0.00	<a href="#"><u>44</u></a>
<a href="#"><u>21</u></a>	SPL	Marjorie Coates (son, Michael MacNeil)<UNOFFICIAL>	325 Oak Street<UNOFFICIAL> Gananoque ON K7G 2R7	ENE/338.7	-3.00	<a href="#"><u>44</u></a>

# Executive Summary: Summary By Data Source

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

A search of the AMIS database, dated 1800-Oct 2018 has found that there are 1 AMIS site(s) within approximately 0.35 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>
ROBERT KEYS	LEEDS ON	ENE	209.11	<a href="#"><u>10</u></a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 2 CA site(s) within approximately 0.35 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>
GANANOQUE HOUSING AUTHORITY INC.-RP #86	VICTORIA AVE./THIRD ST. GANANOQUE SEP. TOWN ON	ENE	209.11	<a href="#"><u>10</u></a>
Stark Battams	160 Oak Street, Lot 364, Conc.86 Gananoque ON	ESE	310.92	<a href="#"><u>18</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Mar 31, 2019 has found that there are 9 ECA site(s) within approximately 0.35 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
The Corporation of the Town of Gananoque	170 170 Elm St Gananoque ON K7G 2T6	SSE	169.32	<a href="#"><u>8</u></a>
Fortis Ontario Inc.	Leeds and the Thousand Islands ON	WNW	301.80	<a href="#"><u>17</u></a>
FortisOntario Inc.	Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON	WNW	301.80	<a href="#"><u>17</u></a>

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
FortisOntario Generation Corporation	Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON	WNW	301.80	<a href="#"><u>17</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
The Corporation of the Separated Town of Gananoque	King Street West Gananoque ON K7G 1E9	ESE	188.36	<a href="#"><u>9</u></a>
The Corporation of the Separated Town of Gananoque	Charles, Georgianna, Emma, Stone, Ann, Queen Gananoque ON K7G 1E9	ESE	188.36	<a href="#"><u>9</u></a>
The Corporation of the Separated Town of Gananoque	King Street West Gananoque ON K7G 1E9	ESE	188.36	<a href="#"><u>9</u></a>
The Corporation of the Separated Town of Gananoque	Charles, Georgianna, Emma, Stone, Ann, Queen Gananoque ON K7G 1E9	ESE	188.36	<a href="#"><u>9</u></a>
Stark Battams	160 Oak Street, Lot 364, Conc.86 Gananoque ON K7G 2R4	ESE	310.92	<a href="#"><u>18</u></a>

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

A search of the GEN database, dated 1986-Dec 31, 2018 has found that there are 1 GEN site(s) within approximately 0.35 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Bin There Dump That	460 Second St Gananoque ON K7G 2K2	SE	77.54	<a href="#"><u>2</u></a>

## **MNR - Mineral Occurrences**

A search of the MNR database, dated 1846-Jan 2019 has found that there are 1 MNR site(s) within approximately 0.35 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ROBERT KEYS	ON	NW	237.07	<a href="#"><u>12</u></a>



<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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## **PES - Pesticide Register**

A search of the PES database, dated 1988-Sep 2018 has found that there are 10 PES site(s) within approximately 0.35 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
MILLS GREENHOUSES	460 SECOND ST GANANOQUE ON K7G2K2	E	45.90	<a href="#"><u>1</u></a>
920661 ONTARIO LTD / MILLS GREENHOUSES & FLOWER SHOP	460 SECOND ST. GANANOQUE ON K7G2K2	E	45.90	<a href="#"><u>1</u></a>
MILLS FLOWERS	460 SECOND ST GANANOQUE ON K7G2K2	E	45.90	<a href="#"><u>1</u></a>
920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012)	460 SECOND ST GANANOQUE ON K7G2K2	E	45.90	<a href="#"><u>1</u></a>
MILLS GREENHOUSES	460 SECOND ST GANANOQUE ON K7G2K2	E	45.90	<a href="#"><u>1</u></a>
MILLS FLOWERS	460 SECOND ST GANANOQUE ON K7G2K2	E	45.90	<a href="#"><u>1</u></a>
920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012)	460 SECOND ST GANANOQUE ON K7G 2K2	SE	77.54	<a href="#"><u>2</u></a>
MILLS GREENHOUSES	460 SECOND STREET GANANOQUE ON K7G 2K2	SE	77.54	<a href="#"><u>2</u></a>
920661 ONTARIO LTD / MILLS GREENHOUSES & FLOWER SHOP	460 SECOND ST. GANANOQUE ON K7G 2K2	SE	77.54	<a href="#"><u>2</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012)	460 SECOND ST GANANOQUE ON K7G 2K2	SE	77.54	<a href="#"><u>2</u></a>

## **PINC - TSSA Pipeline Incidents**

A search of the PINC database, dated Feb 28, 2017 has found that there are 5 PINC site(s) within approximately 0.35 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	140 VICTORIA AVENUE, GANANOQUE ON	SE	262.71	<a href="#"><u>14</u></a>
	135 VICTORIA AVE, GANANOQUE ON	SE	321.69	<a href="#"><u>20</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	230 VICTORIA AVENUE, GANANOQUE ON	ESE	165.31	<a href="#"><u>6</u></a>
	220 VICTORIA AVE, GANANOQUE ON	ESE	166.36	<a href="#"><u>7</u></a>
	150 VICTORIA AVE, GANANOQUE ON	SE	246.29	<a href="#"><u>13</u></a>

## **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Feb 2019 has found that there are 7 SPL site(s) within approximately 0.35 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Union Gas Limited	140 Victoria Avenue Gananoque ON	SE	262.71	<a href="#"><u>14</u></a>
Union Gas Limited	135 Victoria Ave. Leeds and the Thousand Islands ON	SE	321.69	<a href="#"><u>20</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
<b>Lower Elevation</b>	Union Gas Limited	ESE	165.31	<a href="#"><u>6</u></a>
	230 victoria avenue Gananoque ON			
	160 Victoria Street Gananoque ON	SE	236.31	<a href="#"><u>11</u></a>
Fortis Ontario Inc.	217 Oak Street Gananoque ON K7G 2R5	ENE	291.89	<a href="#"><u>16</u></a>
Union Gas Limited	384 Victoria Avenue Gananoque ON	NNE	312.95	<a href="#"><u>19</u></a>
Marjorie Coates (son, Michael MacNeil)<UNOFFICIAL>	325 Oak Street<UNOFFICIAL> Gananoque ON K7G 2R7	ENE	338.72	<a href="#"><u>21</u></a>

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

A search of the WWIS database, dated Dec 31, 2017 has found that there are 4 WWIS site(s) within approximately 0.35 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	131.49	<a href="#"><u>3</u></a>
	<b>Well ID:</b> 3602356			
	Gananoque ON	NNE	161.16	<a href="#"><u>4</u></a>
	<b>Well ID:</b> 7138538			
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	WNW	163.48	<a href="#"><u>5</u></a>
	<b>Well ID:</b> 3604856			

Gananoque ON

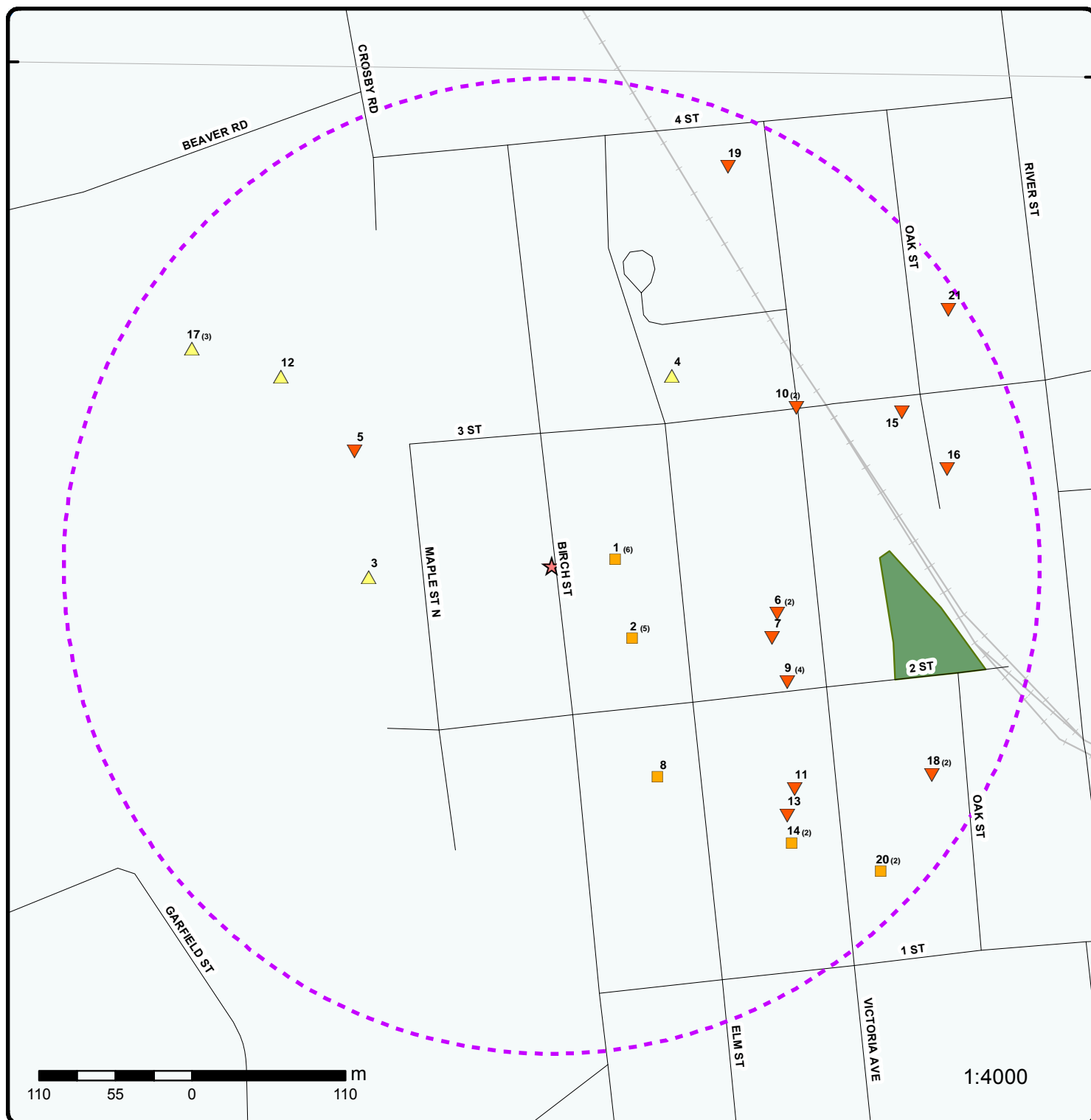
**Well ID:** 7151399

ENE

274.19

[15](#)

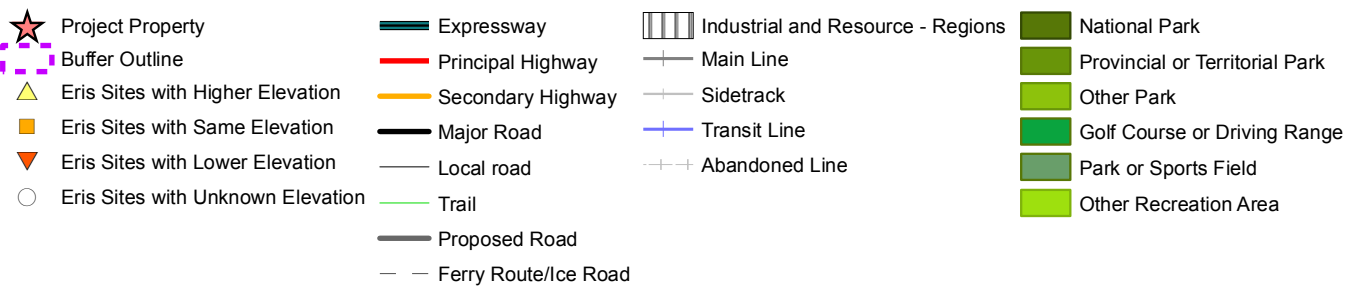




## Map : 0.35 Kilometer Radius

Order No: 20190501203

Address: 460 Second Street, Gananoque, ON, K7G 2K2











# Topographic Map

**Address: 460 Second Street, Gananoque, ON, K7G 2K2**

**Source:** ESRI World Topographic Map

Order No: 20190501203



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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">1</a>	1 of 6	E/45.9	88.9 / 0.00	MILLS FLOWERS 460 SECOND ST GANANOQUE ON K7G2K2	PES
<b>Billing No:</b> 053678 <b>Trade Name:</b> <b>Licence No:</b> 05763 <b>Detail Licence No:</b> 02-01-05763-0 <b>Licence Type Code:</b> 02 <b>Licence Type:</b> Operator <b>Licence Class:</b> 01 <b>Licence Control:</b> 0 <b>Operator No:</b> 5763 <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>		<b>Op Municipality:</b> <b>Operator Region:</b> 4 <b>Operator District:</b> <b>Operator County:</b> 15 <b>Oper Area Code:</b> 613 <b>Oper Phone No:</b> 3823158 <b>Operator Ext:</b> <b>Region:</b> 1 <b>County:</b> 15 <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS)			
<a href="#">1</a>	2 of 6	E/45.9	88.9 / 0.00	MILLS GREENHOUSES 460 SECOND ST GANANOQUE ON K7G2K2	PES
<b>Billing No:</b> 002317 <b>Trade Name:</b> <b>Licence No:</b> 06612 <b>Detail Licence No:</b> 23-01-06612-0 <b>Licence Type Code:</b> 23 <b>Licence Type:</b> Limited Vendor <b>Licence Class:</b> 01 <b>Licence Control:</b> 0 <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>		<b>Op Municipality:</b> <b>Operator Region:</b> 4 <b>Operator District:</b> <b>Operator County:</b> 36 <b>Oper Area Code:</b> 613 <b>Oper Phone No:</b> 3823158 <b>Operator Ext:</b> <b>Region:</b> 4 <b>County:</b> 36 <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS)			
<a href="#">1</a>	3 of 6	E/45.9	88.9 / 0.00	920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012) 460 SECOND ST GANANOQUE ON K7G2K2	PES
<b>Billing No:</b> 077550 <b>Trade Name:</b> <b>Licence No:</b> 14236 <b>Detail Licence No:</b> <b>Licence Type Code:</b> 22 <b>Licence Type:</b> General Vendor <b>Licence Class:</b> 01 <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b>		<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> 613 <b>Oper Phone No:</b> 3823158 <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b>			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>				<b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS)	
<u>1</u>	4 of 6	E/45.9	88.9 / 0.00	<b>MILLS FLOWERS</b> <b>460 SECOND ST</b> <b>GANANOQUE ON K7G2K2</b>	PES
<b>Billing No:</b> 053392 <b>Trade Name:</b> <b>Licence No:</b> 05474 <b>Detail Licence No:</b> <b>Licence Type Code:</b> 02 <b>Licence Type:</b> Operator <b>Licence Class:</b> 01 <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>				<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> 613 <b>Oper Phone No:</b> 3823158 <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS)	
<u>1</u>	5 of 6	E/45.9	88.9 / 0.00	<b>MILLS GREENHOUSES</b> <b>460 SECOND ST</b> <b>GANANOQUE ON K7G2K2</b>	PES
<b>Billing No:</b> 002317 <b>Trade Name:</b> <b>Licence No:</b> 06612 <b>Detail Licence No:</b> <b>Licence Type Code:</b> 21 <b>Licence Type:</b> Retail Vendor Class 03 <b>Licence Class:</b> 03 <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>				<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> 613 <b>Oper Phone No:</b> 3823158 <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS)	
<u>1</u>	6 of 6	E/45.9	88.9 / 0.00	<b>920661 ONTARIO LTD / MILLS GREENHOUSES</b> <b>&amp; FLOWER SHOP</b> <b>460 SECOND ST.</b> <b>GANANOQUE ON K7G2K2</b>	PES
<b>Billing No:</b> 054202 <b>Trade Name:</b> <b>Licence No:</b> 06294 <b>Detail Licence No:</b> <b>Licence Type Code:</b> 02 <b>Licence Type:</b> Operator <b>Licence Class:</b> 01 <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b>				<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> 613 <b>Oper Phone No:</b> 3823158 <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b> <b>Lot:</b> <b>Concession:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Oper Concession: Operator Box:				Post Office Box: Report Source:	Legacy Licenses (Excluding TS)
<a href="#">2</a>	1 of 5	SE/77.5	88.9 / 0.00	Bin There Dump That 460 Second St Gananoque ON K7G 2K2	GEN
Generator No:		ON8189493	PO Box No:		
Status:			Country:		
Approval Years:		2010	Choice of Contact:		
Contam. Facility:			Co Admin:		
MHSW Facility:			Phone No Admin:		
SIC Code:		418320			
SIC Description:		Seed Wholesaler-Distributors			
--Details--					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		147			
Waste Description:		CHEMICAL FERTILIZER WASTES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">2</a>	2 of 5	SE/77.5	88.9 / 0.00	MILLS GREENHOUSES 460 SECOND STREET GANANOQUE ON K7G 2K2	PES
Billing No:			Op Municipality:		
Trade Name:			Operator Region:		
Licence No:			Operator District:		
Detail Licence No:			Operator County:		
Licence Type Code:			Oper Area Code:		
Licence Type:		Vendor	Oper Phone No:		
Licence Class:			Operator Ext:		
Licence Control:			Region:		
Operator No:			County:		
Operator Class:			District:		
Operator Type:			Lot:		
Operator Lot:			Concession:		
Oper Concession:			Post Office Box:		
Operator Box:			Report Source:		
<a href="#">2</a>	3 of 5	SE/77.5	88.9 / 0.00	920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012) 460 SECOND ST	PES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
GANANOQUE ON K7G 2K2					
<b>Billing No:</b> <b>Trade Name:</b> <b>Licence No:</b> <b>Detail Licence No:</b> <b>Licence Type Code:</b> <b>Licence Type:</b> <b>Licence Class:</b> <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>	22 General Vendor			<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> <b>Oper Phone No:</b> <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b>	
<a href="#">2</a>	4 of 5	SE/77.5	88.9 / 0.00	920661 ONTARIO LTD / MILLS GREENHOUSES & FLOWER SHOP 460 SECOND ST. GANANOQUE ON K7G 2K2	PES
<b>Billing No:</b> <b>Trade Name:</b> <b>Licence No:</b> <b>Detail Licence No:</b> <b>Licence Type Code:</b> <b>Licence Type:</b> <b>Licence Class:</b> <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>	Operator			<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> <b>Oper Phone No:</b> <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b>	
<a href="#">2</a>	5 of 5	SE/77.5	88.9 / 0.00	920661 ONTARIO LTD/ MILLS GREENHOUSES(29008-03/2012) 460 SECOND ST GANANOQUE ON K7G 2K2	PES
<b>Billing No:</b> <b>Trade Name:</b> <b>Licence No:</b> <b>Detail Licence No:</b> <b>Licence Type Code:</b> <b>Licence Type:</b> <b>Licence Class:</b> <b>Licence Control:</b> <b>Operator No:</b> <b>Operator Class:</b> <b>Operator Type:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Box:</b>	Vendor			<b>Op Municipality:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Oper Area Code:</b> <b>Oper Phone No:</b> <b>Operator Ext:</b> <b>Region:</b> <b>County:</b> <b>District:</b> <b>Lot:</b> <b>Concession:</b> <b>Post Office Box:</b> <b>Report Source:</b>	
<a href="#">3</a>	1 of 1	W/131.5	89.9 / 1.03	ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	3602356			<b>Data Entry Status:</b>	
Construction Date:				<b>Data Src:</b>	1
Primary Water Use:	Domestic			<b>Date Received:</b>	3/8/1954
Sec. Water Use:	0			<b>Selected Flag:</b>	Yes
Final Well Status:	Water Supply			<b>Abandonment Rec:</b>	
Water Type:				<b>Contractor:</b>	2328
Casing Material:				<b>Form Version:</b>	1
Audit No:				<b>Owner:</b>	
Tag:				<b>Street Name:</b>	
Construction Method:				<b>County:</b>	LEEDS
Elevation (m):				<b>Municipality:</b>	GANANOQUE TOWN
Elevation Reliability:				<b>Site Info:</b>	
Depth to Bedrock:				<b>Lot:</b>	
Well Depth:				<b>Concession:</b>	
Overburden/Bedrock:				<b>Concession Name:</b>	
Pump Rate:				<b>Easting NAD83:</b>	
Static Water Level:				<b>Northing NAD83:</b>	
Flowing (Y/N):				<b>Zone:</b>	
Flow Rate:				<b>UTM Reliability:</b>	
Clear/Cloudy:					
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	10216311			<b>Elevation:</b>	89.39
DP2BR:	8			<b>Elevrc:</b>	
Spatial Status:				<b>Zone:</b>	18
Code OB:	r			<b>East83:</b>	406320.7
Code OB Desc:	Bedrock			<b>North83:</b>	4909202
Open Hole:				<b>Org CS:</b>	
Cluster Kind:				<b>UTMRC:</b>	9
Date Completed:	08-JUN-53			<b>UTMRC Desc:</b>	unknown UTM
Remarks:				<b>Location Method:</b>	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	931680089				
Layer:	1				
Color:					
General Color:					
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	8				
Formation End Depth UOM:	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	931680090				
Layer:	2				
Color:					
General Color:					



<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>Mat1:</b>		21			
<b>Most Common Material:</b>		GRANITE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		8			
<b>Formation End Depth:</b>		60			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		963602356			
<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>		10764881			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930366408			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		9			
<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>		930366409			
<b>Layer:</b>		2			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		60			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		993602356			
<b>Pump Set At:</b>					
<b>Static Level:</b>		10			
<b>Final Level After Pumping:</b>		20			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		6			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<b>Water Details</b>					
Water ID:		933678516			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		40			
Water Found Depth UOM:		ft			
<u>4</u>	1 of 1	NNE/161.2	89.9 / 1.05	Gananoque ON	WWIS
Well ID:		7138538		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Monitoring and Test Hole		Date Received:	1/21/2010
Sec. Water Use:		0		Selected Flag:	Yes
Final Well Status:		Monitoring and Test Hole		Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:		Z108721		Owner:	
Tag:		A084227		Street Name:	290 FOURTH STREET
Construction Method:				County:	LEEDS
Elevation (m):				Municipality:	GANANOQUE TOWN
Elevation Reliability:				Site Info:	WKQ-002039
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<b>Bore Hole Information</b>					
Bore Hole ID:		1002927616		Elevation:	88.34
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	406538
Code OB Desc:				North83:	4909346
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		04-DEC-09		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b>Overburden and Bedrock</b>					
<b>Materials Interval</b>					
Formation ID:		1003066717			
Layer:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		66			
Other Materials:		DENSE			
Formation Top Depth:		.91			
Formation End Depth:		6.1			
Formation End Depth UOM:		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:		1003066716			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		66			
Other Materials:		DENSE			
Formation Top Depth:		0			
Formation End Depth:		.91			
Formation End Depth UOM:		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
Plug ID:		1003066720			
Layer:		2			
Plug From:		.31			
Plug To:		3.1			
Plug Depth UOM:		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
Plug ID:		1003066721			
Layer:		3			
Plug From:		3.1			
Plug To:		6.1			
Plug Depth UOM:		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
Plug ID:		1003066719			
Layer:		1			
Plug From:		0			
Plug To:		.31			
Plug Depth UOM:		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
Method Construction ID:		1003066727			
Method Construction Code:		D			
Method Construction:		Direct Push			

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

**Pipe Information**

**Pipe ID:** 1003066715  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1003066723  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:** 0  
**Depth To:** 3.1  
**Casing Diameter:** 5.2  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1003066724  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 3.1  
**Screen End Depth:** 6.1  
**Screen Material:** 5  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:** 6.03

**Water Details**

**Water ID:** 1003066722  
**Layer:**  
**Kind Code:**  
**Kind:**  
**Water Found Depth:**  
**Water Found Depth UOM:** m

**Hole Diameter**

**Hole ID:** 1003066718  
**Diameter:** 8.25  
**Depth From:** 0  
**Depth To:** 6.1  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

**5**

**1 of 1**

**WNW/163.5**

**87.9 / -1.01**

**ON**

**WWIS**

**Well ID:** 3604856  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 2/15/1972  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 2402  
**Form Version:** 1





Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		23			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931685724			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931685727			
Layer:		4			
Color:		4			
General Color:		GREEN			
Mat1:		21			
Most Common Material:		GRANITE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		40			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931685728			
Layer:		5			
Color:		7			
General Color:		RED			
Mat1:		21			
Most Common Material:		GRANITE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		60			
Formation End Depth:		141			
Formation End Depth UOM:		ft			
<u>Method of Construction &amp; Well Use</u>					
Method Construction ID:		963604856			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Pipe Information</u></b>					
Pipe ID:		10767338			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930371250			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		141			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930371249			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		25			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		993604856			
Pump Set At:					
Static Level:		2			
Final Level After Pumping:		75			
Recommended Pump Depth:		80			
Pumping Rate:		8			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
<b><u>Draw Down &amp; Recovery</u></b>					
Pump Test Detail ID:		934486297			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		2			
Test Level UOM:		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
Pump Test Detail ID:		934207562			
Test Type:		Recovery			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Test Duration:		15			
Test Level:		11			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933681333			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		137			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		933681331			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		40			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		933681332			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
<hr/>					
<u>6</u>	1 of 2	ESE/165.3	87.9 / -1.00	230 VICTORIA AVENUE, GANANOQUE ON	PINC
Incident ID:				Health Impact:	
Incident No:	1921906			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	
Fuel Occurrence Tp:				Enforce Policy:	Yes
Fuel Type:				Public Relation:	
Tank Status:	RC Established			Pipeline System:	
Task No:	6285799			Depth:	
Spills Action Centre:				Pipe Material:	
Method Details:	E-mail			PSIG:	
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:				Regualtor Location:	
Occurrence Start Date:	2016/08/15				
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:	230 VICTORIA AVENUE, GANANOQUE - PIPELINE HIT - 3/4"				
Reported By:	Peter Siemonsen - UNION GAS				
Affiliation:					
Occurrence Desc:					
Damage Reason:	Excavation practices not sufficient				
Notes:					
<hr/>					
<u>6</u>	2 of 2	ESE/165.3	87.9 / -1.00	Union Gas Limited 230 victoria avenue Gananoque ON	SPL



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Ref No:</b> <b>Site No:</b> <b>Incident Dt:</b> <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> <b>MOE Response:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> <b>Dt Document Closed:</b>  <b>Incident Reason:</b> <b>Site Name:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> <b>Contaminant Qty:</b>	6185-ACQTNQ NA 2016/08/11  Operator/Human error 35 NATURAL GAS (METHANE)   Air No  2016/08/11 2016/08/16  Operator/Human Error residential<UNOFFICIAL>  TSSA FSB: 3/4" damage, yesterday same damage 0 other - see incident description	<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> <b>Easting:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b>  <b>Source Type:</b>	Unknown / N/A  230 victoria avenue  Gananoque      TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill		
<u>7</u>	1 of 1	ESE/166.4	87.9 / -1.00	220 VICTORIA AVE, GANANOQUE ON	PINC
<b>Incident ID:</b> <b>Incident No:</b> <b>Type:</b> <b>Status Code:</b> <b>Fuel Occurrence Tp:</b> <b>Fuel Type:</b> <b>Tank Status:</b> <b>Task No:</b> <b>Spills Action Centre:</b> <b>Method Details:</b> <b>Fuel Category:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Date:</b> <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>	1910694 FS-Pipeline Incident Pipeline Damage Reason Est  RC Established 6264444 E-mail Natural Gas 2016/08/31    220 VICTORIA AVE, GANANOQUE - PIPELINE HIT - 3/4" Michelle Rogers - UNION GAS  Excavation practices not sufficient	<b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>Depth:</b> <b>Pipe Material:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b>	Yes Yes  FS-Perform P-line Inc Invest		
<u>8</u>	1 of 1	SSE/169.3	88.9 / 0.00	The Corporation of the Town of Gananoque 170 170 Elm St Gananoque ON K7G 2T6	ECA
<b>Approval No:</b> <b>Approval Date:</b> <b>Status:</b>	8123-8NERAE 2011-12-19 Approved	<b>MOE District:</b> <b>City:</b> <b>Longitude:</b>	Gananoque		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Address:</b> 170 170 Elm St <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7033-8L3P35-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7033-8L3P35-14.pdf</a>					
<a href="#">9</a>	1 of 4	ESE/188.4	87.9 / -1.00	The Corporation of the Separated Town of Gananoque King Street West Gananoque ON K7G 1E9	ECA
<b>Approval No:</b> 3033-6JSPCL <b>Approval Date:</b> 2005-12-05 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataraqui <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Address:</b> King Street West <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8565-6GUQCH-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8565-6GUQCH-14.pdf</a>					
<a href="#">9</a>	2 of 4	ESE/188.4	87.9 / -1.00	The Corporation of the Separated Town of Gananoque King Street West Gananoque ON K7G 1E9	ECA
<b>Approval No:</b> 6386-6JSP8Q <b>Approval Date:</b> 2005-12-05 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataraqui <b>Approval Type:</b> ECA-Municipal Drinking Water Systems <b>Project Type:</b> Municipal Drinking Water Systems <b>Address:</b> King Street West <b>Full Address:</b> <b>Full PDF Link:</b>					
<a href="#">9</a>	3 of 4	ESE/188.4	87.9 / -1.00	The Corporation of the Separated Town of Gananoque Charles, Georgianna, Emma, Stone, Ann, Queen Gananoque ON K7G 1E9	ECA
<b>Approval No:</b> 0220-7BYP7C <b>Approval Date:</b> 2008-02-22 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataraqui <b>Approval Type:</b> ECA-Municipal Drinking Water Systems <b>Project Type:</b> Municipal Drinking Water Systems <b>Address:</b> Charles, Georgianna, Emma, Stone, Ann, Queen <b>Full Address:</b> <b>Full PDF Link:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">9</a>	4 of 4	ESE/188.4	87.9 / -1.00	The Corporation of the Separated Town of Gananoque Charles, Georgianna, Emma, Stone, Ann, Queen Gananoque ON K7G 1E9	ECA
Approval No:		8310-7BYPG7	MOE District:		Kingston
Approval Date:		2008-02-22	City:		Gananoque
Status:		Approved	Longitude:		-76.1712
Record Type:		ECA	Latitude:		44.3294
Link Source:		IDS	Geometry X:		
SWP Area Name:		Cataraqui	Geometry Y:		
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Address:		Charles, Georgianna, Emma, Stone, Ann, Queen			
Full Address:					
Full PDF Link:		<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7672-79MSXD-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7672-79MSXD-14.pdf</a>			
<a href="#">10</a>	1 of 2	ENE/209.1	87.9 / -1.00	ROBERT KEYS	AMIS
			LEEDS ON		
Site Access Code:			Start Year:		
AMIS Distr Code:			End Year:		
Abandoned Mine ID:		04301	Prog Rehab Plan:		NO
Old MDI ID:		SO3445	Evid of Site Contam:		UNK
New MDI ID:		MDI31C08SE00014	Evid of Sulphide:		UNK
Official Nm:		ROBERT KEYS	Evid Animals Pres:		UNK
Mine Status:		PRODUCING	Revegetation:		UNK
Mine Plan/Section:		NO	Veg Condition:		
Site Class:		NOT APPLICABLE	Veg Descr:		
Clos Reason Code:			Chemical Doc:		UNK
Closure Plan:		NO	Jurisdiction:		A.R.A.
Prim Commod Code:			Lot No:		0
Prim Commod:		GRANITE	Concession:		1
Operat Access:		N/A	Zone:		18
Date Entered:			Northing:		4909323
Date Last Modified:		21-NOV-2006	Easting:		406627
Effective Date:		2003-01-27 15:37:01	Clos Reason:		UNDETRMINED
Hyper Link:		<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/AMIS/data/records/04301.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/AMIS/data/records/04301.html</a>			
AMIS District:		TWEED			
District Desc:		TWEED			
Animal Desc:					
Status Type Code:					
Mine Features Desc:		QUARRY			
AMIS Bkgrd Info:		PAST PROD. OF PAVING & STRUCTURAL/MONUMENTAL GRANITE. MOST OPENINGS ARE SMALL & SCATTERED OVER A LARGE AREA. LARGEST QUARRY IS IN SIDE OF HILL. NO PRODUCTION RECORDS OR SIZE OF QUARRIES AVAILABLE. LOOKED AT BY BUILDING STONE INVENTORY. SEE SO1562.THE YEAR 2000 SURVEY REPORTS THE SITE IS CURRENTLY PRODUCING UNDER LIC. #P614247. SITE NOT INSPECTED.			
Alias Name:		GORDON, D.J. & SONS; ROBERT KEYS			
<u>AMIS Features</u>					
AMIS Feature ID:		82665	Feature Length:		0
Effective Date:			Eval Performed Ind:		
Date Last Modified:		21-NOV-2006	Soil Erosion Flag:		
Dt Entered in AMIS:			Txt Feature ID:		
Mine Feat Class Desc:		FEATURE TO SURFACE	UTM Zone:		18
Feature Type Code:			UTM Northing:		4909322
Mine Feat Type Desc:		QUARRY	UTM Easting:		406610
Hazard Status Desc:		ACTIVE	Lat DD Features:		44.33116
Depth or Height:		0	Long DD Features:		-76.17137

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Feature Width:</b> 0 <b>Mine Feature Condition Desc:</b> 2000 ASSESSMENT; SITE ACTIVELY PRODUCING.					
<a href="#">10</a>	2 of 2	ENE/209.1	87.9 / -1.00	<b>GANANOQUE HOUSING AUTHORITY INC.-RP #86</b> <b>VICTORIA AVE./THIRD ST.</b> <b>GANANOQUE SEP. TOWN ON</b>	CA
<b>Certificate #:</b> 3-1052-91- <b>Application Year:</b> 91 <b>Issue Date:</b> 8/28/1991 <b>Approval Type:</b> Municipal sewage <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">11</a>	1 of 1	SE/236.3	88.0 / -0.90	<b>160 Victoria Street</b> <b>Gananoque ON</b>	SPL
<b>Ref No:</b> 1626-ACPPX2 <b>Site No:</b> NA <b>Incident Dt:</b> 2016/08/10 <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Leak/Break <b>Contaminant Code:</b> 35 <b>Contaminant Name:</b> NATURAL GAS (METHANE) <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> Air <b>MOE Response:</b> No <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 2016/08/10 <b>Dt Document Closed:</b> 2016/08/16 <b>Incident Reason:</b> Operator/Human Error <b>Site Name:</b> Residence<UNOFFICIAL> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> TSSA: 3/4" steel service line damage, made safe <b>Contaminant Qty:</b> 0 other - see incident description					
<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> Miscellaneous Industrial <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 160 Victoria Street <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> Gananoque <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> <b>Easting:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill <b>Source Type:</b>					
<a href="#">12</a>	1 of 1	NW/237.1	89.9 / 1.06	<b>ROBERT KEYS</b> <b>ON</b>	MNR
<b>MDI No:</b> MDI31C08SE00014 <b>OGF ID:</b> 205262976 <b>Deposit Status:</b> PAST PRODUCING MINE WITHOUT RESERVES <b>Claim Map:</b> N/A <b>Geological District:</b> SOUTHEASTERN ONTARIO					
<b>Zone:</b> 18 <b>Easting:</b> 406257.736 <b>Northing:</b> 4909345.585 <b>Effective Dt/time:</b> 10/14/2011 11:44:49 AM <b>Date Last Modified:</b> 10/14/2011 11:44:49 AM					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Mining Division:</b> SOUTHERN ONTARIO <b>Geo Update Dt/time:</b> <b>Class Sub Type No:</b> 2499 <b>Class Sub Type:</b> Past Producing Mine Without Reserves <b>Source Map:</b> OGS 1964, MAP 2054 GANANOQUE <b>Access Description:</b> 2.4 km west of Gananoque.					
<b><u>Deposit Details</u></b>					
<b>Deposit Year:</b> 1991 <b>Deposit Character:</b> <b>Commodity:</b> GRANITE (BUILDING STONES) <b>Ranking:</b> 1 <b>Twp/Area:</b> LEEDS <b>Con/Lot/Sec:</b> <b>Legal Desc:</b> <b>Township Area Ranking:</b> 1 <b>Mndm Township Area No:</b> 1368 <b>Effective Date/Time:</b> 10/14/2011 11:44:49 AM					
<a href="#">13</a>	1 of 1	SE/246.3	88.7 / -0.19	150 VICTORIA AVE, GANANOQUE ON	PINC
<b>Incident ID:</b> <b>Incident No:</b> 1928342 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> Pipeline Damage Reason Est <b>Fuel Occurrence Tp:</b> <b>Fuel Type:</b> <b>Tank Status:</b> RC Established <b>Task No:</b> 6298574 <b>Spills Action Centre:</b> <b>Method Details:</b> E-mail <b>Fuel Category:</b> Natural Gas <b>Date of Occurrence:</b> <b>Occurrence Start Date:</b> 2016/08/24 <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> 150 VICTORIA AVE, GANANOQUE - PIPELINE HIT - 1/2" <b>Reported By:</b> TERRY ORR <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> Excavation practices not sufficient <b>Notes:</b>					
<b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> Yes <b>Service Interrupt:</b> <b>Enforce Policy:</b> Yes <b>Public Relation:</b> <b>Pipeline System:</b> <b>Depth:</b> <b>Pipe Material:</b> <b>PSIG:</b> <b>Attribute Category:</b> FS-Perform P-line Inc Invest <b>Regulator Location:</b>					
<a href="#">14</a>	1 of 2	SE/262.7	88.9 / 0.00	140 VICTORIA AVENUE, GANANOQUE ON	PINC
<b>Incident ID:</b> <b>Incident No:</b> 1463368 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> Pipeline Damage Reason Est <b>Fuel Occurrence Tp:</b> <b>Fuel Type:</b> <b>Tank Status:</b> RC Established <b>Task No:</b> 5147883 <b>Spills Action Centre:</b> <b>Method Details:</b> E-mail <b>Fuel Category:</b> Natural Gas <b>Date of Occurrence:</b> <b>Occurrence Start Date:</b> 2014/11/10					
<b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> Yes <b>Service Interrupt:</b> <b>Enforce Policy:</b> Yes <b>Public Relation:</b> <b>Pipeline System:</b> <b>Depth:</b> <b>Pipe Material:</b> <b>PSIG:</b> <b>Attribute Category:</b> FS-Perform P-line Inc Invest <b>Regulator Location:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date:</b> <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> 140 VICTORIA AVENUE, GANANOQUE - PIPELINE HIT - 3/4" <b>Reported By:</b> Peter Siemonsen - Union Gas <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> Excavation practices not sufficient <b>Notes:</b>					
<a href="#">14</a>	2 of 2	SE/262.7	88.9 / 0.00	Union Gas Limited 140 Victoria Avenue Gananoque ON	SPL
<b>Ref No:</b> 2152-9N6RLM <b>Site No:</b> NA <b>Incident Dt:</b> 2014/08/20 <b>Year:</b> <b>Incident Cause:</b> Operator/Human error <b>Incident Event:</b> <b>Contaminant Code:</b> 35 <b>Contaminant Name:</b> NATURAL GAS (METHANE) <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> Confirmed <b>Nature of Impact:</b> Air Pollution; Human Health/Safety <b>Receiving Medium:</b> <b>Receiving Env:</b> <b>MOE Response:</b> Referral to others <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 2014/08/20 <b>Dt Document Closed:</b> 2014/08/20 <b>Incident Reason:</b> Operator/Human Error <b>Site Name:</b> 3/4" plstc residential line damaged by contractor<UNOFFICIAL> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> Union Gas: 3/4" plstc line dmgd by contractor - SAFE <b>Contaminant Qty:</b> 1 other - see incident description					
<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> Pipeline/Components <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 140 Victoria Avenue <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> Gananoque <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> <b>Easting:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill <b>Source Type:</b>					
<a href="#">15</a>	1 of 1	ENE/274.2	86.9 / -2.00	Gananoque ON	WWIS
<b>Well ID:</b> 7151399 <b>Construction Date:</b> <b>Primary Water Use:</b> Monitoring and Test Hole <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Observation Wells <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z121583 <b>Tag:</b> A092796 <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b>					
<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 9/17/2010 <b>Selected Flag:</b> Yes <b>Abandonment Rec:</b> <b>Contractor:</b> 7085 <b>Form Version:</b> 7 <b>Owner:</b> <b>Street Name:</b> 305 THIRD STREET <b>County:</b> LEEDS <b>Municipality:</b> GANANOQUE TOWN <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing (Y/N): Flow Rate: Clear/Cloudy:				Zone: UTM Reliability:	
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1003337257			Elevation:	86.06
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	406703
Code OB Desc:				North83:	4909320
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	02-JUN-10			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1003427907				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	02				
Most Common Material:	TOPSOIL				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	.3				
Formation End Depth UOM:	m				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1003427909				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Other Materials:	SILT				
Mat3:	85				
Other Materials:	SOFT				
Formation Top Depth:	3.65				
Formation End Depth:	4.57				
Formation End Depth UOM:	m				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1003427908				
Layer:	2				
Color:	6				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		66			
Other Materials:		DENSE			
Formation Top Depth:		.3			
Formation End Depth:		3.65			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003427911			
Layer:		1			
Plug From:		0			
Plug To:		.3			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003427913			
Layer:		3			
Plug From:		1.21			
Plug To:		4.57			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003427912			
Layer:		2			
Plug From:		.3			
Plug To:		1.21			
Plug Depth UOM:		m			
 <u>Method of Construction &amp; Well Use</u>					
Method Construction ID:		1003427919			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1003427906			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1003427915			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.52			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		1003427916			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.52			
Screen End Depth:		4.57			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.08			
 <u>Water Details</u>					
Water ID:		1003427914			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		3.65			
Water Found Depth UOM:		m			
 <u>Hole Diameter</u>					
Hole ID:		1003427910			
Diameter:		15.24			
Depth From:		0			
Depth To:		4.57			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
<a href="#">16</a>	1 of 1	ENE/291.9	86.7 / -2.19	Fortis Ontario Inc. 217 Oak Street Gananoque ON K7G 2R5	SPL
Ref No:	8835-7QNRPJ			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:	TRANSMISSION OIL			Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Gananoque
Nature of Impact:	Soil Contamination			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	No Field Response			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	3/31/2009			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Land Spills
Incident Reason:				Source Type:	
Site Name:	transformer<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Eastern Ontario Power: 1 L mineral oil spill, cleaned				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:		1 L			
<a href="#">17</a>	1 of 3	WNW/301.8	90.9 / 2.05	FortisOntario Generation Corporation Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON	ECA
<b>Approval No:</b> 0961-6JSQFF <b>Approval Date:</b> 2006-02-14 <b>Status:</b> Revoked and/or Replaced <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataragui <b>Approval Type:</b> ECA-INDUSTRIAL SEWAGE WORKS <b>Project Type:</b> INDUSTRIAL SEWAGE WORKS <b>Address:</b> Part of Lot 11, Concession 1 <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/8524-6JEKFW-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/8524-6JEKFW-14.pdf</a>		<b>MOE District:</b> Kingston <b>City:</b> Leeds and the Thousand Islands <b>Longitude:</b> -76.1766 <b>Latitude:</b> 44.3315 <b>Geometry X:</b> <b>Geometry Y:</b>			
<a href="#">17</a>	2 of 3	WNW/301.8	90.9 / 2.05	Fortis Ontario Inc.  Leeds and the Thousand Islands ON	ECA
<b>Approval No:</b> 5466-6N7K6C <b>Approval Date:</b> 2011-10-19 <b>Status:</b> Revoked and/or Replaced <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataragui <b>Approval Type:</b> ECA-INDUSTRIAL SEWAGE WORKS <b>Project Type:</b> INDUSTRIAL SEWAGE WORKS <b>Address:</b> <b>Full Address:</b> <b>Full PDF Link:</b>		<b>MOE District:</b> Kingston <b>City:</b> Leeds and the Thousand Islands <b>Longitude:</b> -76.1766 <b>Latitude:</b> 44.3315 <b>Geometry X:</b> <b>Geometry Y:</b>			
<a href="#">17</a>	3 of 3	WNW/301.8	90.9 / 2.05	FortisOntario Inc. Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON	ECA
<b>Approval No:</b> 5466-6N7K6C <b>Approval Date:</b> 2006-03-28 <b>Status:</b> Revoked and/or Replaced <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataragui <b>Approval Type:</b> ECA-INDUSTRIAL SEWAGE WORKS <b>Project Type:</b> INDUSTRIAL SEWAGE WORKS <b>Address:</b> Part of Lot 11, Concession 1 <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4976-6MYNRC-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4976-6MYNRC-14.pdf</a>		<b>MOE District:</b> Kingston <b>City:</b> Leeds and the Thousand Islands <b>Longitude:</b> -76.1766 <b>Latitude:</b> 44.3315 <b>Geometry X:</b> <b>Geometry Y:</b>			
<a href="#">18</a>	1 of 2	ESE/310.9	87.9 / -1.00	Stark Battams 160 Oak Street, Lot 364, Conc.86 Gananoque ON	CA
<b>Certificate #:</b> 5546-6SWRRH <b>Application Year:</b> 2006 <b>Issue Date:</b> 8/25/2006 <b>Approval Type:</b> Waste Management Systems <b>Status:</b> Approved					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">18</a>	2 of 2	ESE/310.9	87.9 / -1.00	<b>Stark Battams</b> 160 Oak Street, Lot 364, Conc.86 Gananoque ON K7G 2R4	ECA
<b>Approval No:</b> 5546-6SWRRH <b>Approval Date:</b> 2006-08-25 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Cataraqui <b>Approval Type:</b> ECA-WASTE MANAGEMENT SYSTEMS <b>Project Type:</b> WASTE MANAGEMENT SYSTEMS <b>Address:</b> 160 Oak Street, Lot 364, Conc.86 <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0125-6RGHUN-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0125-6RGHUN-14.pdf</a>					
<b>MOE District:</b> Kingston <b>City:</b> Gananoque <b>Longitude:</b> -76.16996 <b>Latitude:</b> 44.328773 <b>Geometry X:</b> <b>Geometry Y:</b>					
<a href="#">19</a>	1 of 1	NNE/313.0	87.9 / -0.95	<b>Union Gas Limited</b> 384 Victoria Avenue Gananoque ON	SPL
<b>Ref No:</b> 7055-AAHUZM <b>Site No:</b> NA <b>Incident Dt:</b> 2016/06/01 <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Leak/Break <b>Contaminant Code:</b> 35 <b>Contaminant Name:</b> NATURAL GAS (METHANE) <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> Air <b>MOE Response:</b> No <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 2016/06/01 <b>Dt Document Closed:</b> 2016/08/10 <b>Incident Reason:</b> Operator/Human Error <b>Site Name:</b> Service Line Strike <UNOFFICIAL> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> TSSA: FSB: 1/2" PL Strike, made safe. <b>Contaminant Qty:</b> 0 L					
<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> Miscellaneous Industrial <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 384 Victoria Avenue <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> Gananoque <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> <b>Easting:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill <b>Source Type:</b>					
<a href="#">20</a>	1 of 2	SE/321.7	88.9 / 0.00	<b>135 VICTORIA AVE, GANANOQUE</b> ON	PINC
<b>Incident ID:</b>					
<b>Health Impact:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> <b>Incident No:</b> 1941086  <b>Type:</b> FS-Pipeline Incident  <b>Status Code:</b> Pipeline Damage Reason Est  <b>Fuel Occurrence Tp:</b>  <b>Fuel Type:</b>  <b>Tank Status:</b> RC Established  <b>Task No:</b> 6323108  <b>Spills Action Centre:</b>  <b>Method Details:</b> E-mail  <b>Fuel Category:</b> Natural Gas  <b>Date of Occurrence:</b>  <b>Occurrence Start Date:</b> 2016/09/26  <b>Operation Type:</b>  <b>Pipeline Type:</b>  <b>Regulator Type:</b>  <b>Summary:</b> 135 VICTORIA AVE, GANANOQUE - PIPELINE HIT - 1/2"  <b>Reported By:</b> Laura Howell - UNION GAS  <b>Affiliation:</b>  <b>Occurrence Desc:</b>  <b>Damage Reason:</b> Excavation practices not sufficient  <b>Notes:</b> </div> <div> <b>Environment Impact:</b>  <b>Property Damage:</b> Yes  <b>Service Interrupt:</b>  <b>Enforce Policy:</b> Yes  <b>Public Relation:</b>  <b>Pipeline System:</b>  <b>Depth:</b>  <b>Pipe Material:</b>  <b>PSIG:</b>  <b>Attribute Category:</b> FS-Perform P-line Inc Invest  <b>Regualtor Location:</b> </div> </div>					
<a href="#">20</a>	2 of 2	SE/321.7	88.9 / 0.00	Union Gas Limited 135 Victoria Ave. Leeds and the Thousand Islands ON	SPL
<div> <div> <b>Ref No:</b> 3883-ADRSJR  <b>Site No:</b> NA  <b>Incident Dt:</b> 9/13/2016  <b>Year:</b>  <b>Incident Cause:</b>  <b>Incident Event:</b> Leak/Break  <b>Contaminant Code:</b> 35  <b>Contaminant Name:</b> NATURAL GAS (METHANE)  <b>Contaminant Limit 1:</b>  <b>Contam Limit Freq 1:</b>  <b>Contaminant UN No 1:</b>  <b>Environment Impact:</b>  <b>Nature of Impact:</b>  <b>Receiving Medium:</b>  <b>Receiving Env:</b> Air  <b>MOE Response:</b>  <b>Dt MOE Arvl on Scn:</b>  <b>MOE Reported Dt:</b> 9/13/2016  <b>Dt Document Closed:</b>  <b>Incident Reason:</b> Operator/Human Error  <b>Site Name:</b> residential&lt;UNOFFICIAL&gt;  <b>Site County/District:</b>  <b>Site Geo Ref Meth:</b>  <b>Incident Summary:</b> Enbridge - 1/2" plastic service struck by excavator  <b>Contaminant Qty:</b> 0 other - see incident description           </div> <div> <b>Discharger Report:</b>  <b>Material Group:</b>  <b>Health/Env Conseq:</b>  <b>Client Type:</b>  <b>Sector Type:</b> Miscellaneous Communal  <b>Agency Involved:</b>  <b>Nearest Watercourse:</b>  <b>Site Address:</b> 135 Victoria Ave.  <b>Site District Office:</b>  <b>Site Postal Code:</b>  <b>Site Region:</b>  <b>Site Municipality:</b> Leeds and the Thousand Islands  <b>Site Lot:</b>  <b>Site Conc:</b>  <b>Northing:</b>  <b>Easting:</b>  <b>Site Geo Ref Accu:</b>  <b>Site Map Datum:</b>  <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill  <b>Source Type:</b> </div> </div>					
<a href="#">21</a>	1 of 1	ENE/338.7	85.9 / -3.00	Marjorie Coates (son, Michael MacNeil)<UNOFFICIAL> 325 Oak Street<UNOFFICIAL> Gananoque ON K7G 2R7	SPL
<div> <div> <b>Ref No:</b> 7553-8HWJX4  <b>Site No:</b>  <b>Incident Dt:</b> 6/17/2011           </div> <div> <b>Discharger Report:</b>  <b>Material Group:</b>  <b>Health/Env Conseq:</b> </div> </div>					



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<hr/>					
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	Unknown			<b>Sector Type:</b>	Other
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	n/a			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	Odour			<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	Confirmed			<b>Site Municipality:</b>	Gananoque
<b>Nature of Impact:</b>	Air Pollution			<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>	Priority Field Response			<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	6/17/2011			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>				<b>SAC Action Class:</b>	Land Spills
<b>Incident Reason:</b>				<b>Source Type:</b>	
<b>Site Name:</b>	325 Oak Street<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	Priv res, smell of gasoline in basement of 335 Oak St				
<b>Contaminant Qty:</b>	0 other - see incident description				

# Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	River Street Development Corporation	Fourth Street, former Railway and Nalon Rd	Gananoque ON	
CA	River Street Development Corporation	Fourth Street, former Railway and Nalon Rd	Gananoque ON	
CA	P.U.C.	ELM ST.	GANANOQUE ON	
CA	P.U.C.	ELM ST.	GANANOQUE ON	
CA	Rocky Acres Estates Inc.	Garfield Street (N. of Coachman Crt to Cul de Sac)	Gananoque ON	
CA	GANANOQUE FAMILY HOUSING INC.-RP #86 W.	VICTORIA AVE	GANANOQUE SEP. TOWN ON	
CA	FortisOntario Inc.	Part of Lot 11, Concession 1	Leeds and the Thousand Islands ON	
CA	FortisOntario Generation Corporation	Part of Lot 11, Concession 1	Gananoque ON	
EBR	FortisOntario Generation Corporation	Part of Lot 11, Concession 1 Gananoque Ontario	ON	
ECA	FortisOntario Inc.		Leeds and the Thousand Islands ON	K6H 5V3
ECA	Rocky Acres Estates Inc.	Garfield Street (N. of Coachman Crt to Cul de Sac)	Gananoque ON	
ECA	Rocky Acres Estates Inc.	Garfield Street (N. of Coachman Crt to Cul de Sac)	Gananoque ON	
GEN	GANANOQUE STEEL FORGING INC	GANANOQUE WORKS, PRESS PLANT CROSBY RD. CROSBY RD., PT. LOTS 7 & H - PLAN 86	TOWN OF GANANOQUE ON	
GEN	GANANOQUE STEEL FORGING INC. 36-125	GANANOQUE WORKS, PRESS PLANT CROSBY RD. CROSBY RD., PT. LOTS 7 & H - PLAN 86	TOWN OF GANANOQUE ON	
REC	STELCO FASTENER & FORGING CO. LTD.	CROSBY ROAD	GANANOQUE ON	K7G 2P8
SPL		Crosby Road at Molly Brown House, where railway track cross river at Black Bridg	Gananoque ON	



# Unplottable Report

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**Site:** *River Street Development Corporation*  
*Fourth Street, former Railway and Nalon Rd Gananoque ON*

**Database:**  
*CA*

**Certificate #:** 9708-78BKRP  
**Application Year:** 2007  
**Issue Date:** 11/26/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** *River Street Development Corporation*  
*Fourth Street, former Railway and Nalon Rd Gananoque ON*

**Database:**  
*CA*

**Certificate #:** 7128-77VJ9M  
**Application Year:** 2007  
**Issue Date:** 10/11/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *P.U.C.*  
*ELM ST. GANAOQUE ON*

**Database:**  
*CA*

**Certificate #:** 3-0217-85-006  
**Application Year:** 85  
**Issue Date:** 9/27/85  
**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:** *P.U.C.*  
*ELM ST. GANAOQUE ON*

**Database:**  
*CA*

**Certificate #:** 7-0157-85-006  
**Application Year:** 85



**Issue Date:** 4/19/85  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** **Rocky Acres Estates Inc.**  
**Garfield Street (N. of Coachman Crt to Cul de Sac) Gananoque ON**

**Database:**  
**CA**

**Certificate #:** 3353-5KRVJB  
**Application Year:** 2003  
**Issue Date:** 3/24/2003  
**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:**

---

**Site:** **GANANOQUE FAMILY HOUSING INC.-RP #86 W.**  
**VICTORIA AVE GANANOQUE SEP. TOWN ON**

**Database:**  
**CA**

**Certificate #:** 7-0829-91-  
**Application Year:** 91  
**Issue Date:** 8/28/1991  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **FortisOntario Inc.**  
**Part of Lot 11, Concession 1 Leeds and the Thousand Islands ON**

**Database:**  
**CA**

**Certificate #:** 5466-6N7K6C  
**Application Year:** 2006  
**Issue Date:** 3/28/2006  
**Approval Type:** Industrial Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** FortisOntario Generation Corporation  
Part of Lot 11, Concession 1 Gananoque ON

**Database:**  
CA

**Certificate #:** 0961-6JSQFF  
**Application Year:** 2006  
**Issue Date:** 2/14/2006  
**Approval Type:** Industrial Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** FortisOntario Generation Corporation  
Part of Lot 11, Concession 1 Gananoque Ontario Gananoque ON

**Database:**  
EBR

**EBR Registry No:** IA05E1883  
**Ministry Ref. No:** 8524-6JEKFW  
**Notice Type:** Instrument Decision  
**Company Name:** FortisOntario Generation Corporation  
**Proponent Name:**  
**Proponent Address:** 5 King Street East, Gananoque Ontario, K7G 2V1  
**Instrument Type:** (OWRA s. 53(1)) - Approval for sewage works  
**Location Other:**  
**URL:**

**Proposal Date:** December 08, 2005  
**Notice Pub Date:** October 13, 2006  
**Year:** 2005

**Location:**

Part of Lot 11, Concession 1 Gananoque Ontario Gananoque

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**Site:** FortisOntario Inc.  
Leeds and the Thousand Islands ON K6H 5V3

**Database:**  
ECA

**Approval No:** 1902-92RMCX  
**Approval Date:** 2012-12-17  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-INDUSTRIAL SEWAGE WORKS  
**Project Type:** INDUSTRIAL SEWAGE WORKS  
**Address:**  
**Full Address:**  
**Full PDF Link:**

**MOE District:**  
**City:** Leeds and the Thousand Islands  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

<https://www.accessenvironment.ene.gov.on.ca/instruments/9578-8PYMDP-14.pdf>

---

**Site:** Rocky Acres Estates Inc.  
Garfield Street (N. of Coachman Crt to Cul de Sac) Gananoque ON

**Database:**  
ECA

**Approval No:** 3353-5KRVJB  
**Approval Date:** 2003-03-24  
**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  
**Address:** Garfield Street (N. of Coachman Crt to Cul de Sac)  
**Full Address:**  
**Full PDF Link:**

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

<https://www.accessenvironment.ene.gov.on.ca/instruments/3631-5JYSRB-14.pdf>

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**Site:** Rocky Acres Estates Inc.  
Garfield Street (N. of Coachman Crt to Cul de Sac) Gananoque ON

**Database:**  
ECA

**Approval No:** 5740-5KRVDL  
**Approval Date:** 2003-03-24  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal and Private Water Works  
**Project Type:** Municipal and Private Water Works  
**Address:** Garfield Street (N. of Coachman Crt to Cul de Sac)  
**Full Address:**  
**Full PDF Link:**

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

---

**Site:** GANANOQUE STEEL FORGING INC  
GANANOQUE WORKS, PRESS PLANT CROSBY RD. CROSBY RD., PT. LOTS 7 & H - PLAN 86 TOWN OF GANANOQUE ON

**Database:**  
GEN

**Generator No:** ON1661001  
**Status:**  
**Approval Years:** 97  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 3049  
**SIC Description:** OTHER STAMPED METAL

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**--Details--**

**Waste Code:** 112  
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 146  
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 251  
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 262  
**Waste Description:** DETERGENTS/SOAPS

---

**Site:** GANANOQUE STEEL FORGING INC. 36-125  
GANANOQUE WORKS, PRESS PLANT CROSBY RD. CROSBY RD., PT. LOTS 7 & H - PLAN 86 TOWN OF GANANOQUE ON

**Database:**  
GEN

**Generator No:** ON1661001  
**Status:**  
**Approval Years:** 92,93,95,96  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 3049  
**SIC Description:** OTHER STAMPED METAL

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**--Details--**

**Waste Code:** 251  
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 112  
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 146  
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 262

**Waste Description:**

DETERGENTS/SOAPS

**Site:** **STELCO FASTENER & FORGING CO. LTD.**  
**CROSBY ROAD GANANOQUE ON K7G 2P8**

**Database:**  
**REC**

**Rec Op Div:**  
**Co Admin:**  
**Phone No Admin:**  
**Rec Div:**  
**Rec Op Name:**  
**Choice of Contact:**  
**Site Bldg:**  
**Site PO Box:**  
**Receiver #:** RR3000  
**Facility Type:**  
**Approval Yrs:** 06,07,08

**Site:** **Crosby Road at Molly Brown House, where railway track cross river at Black Bridg Gananoque ON**

**Database:**  
**SPL**

<b>Ref No:</b>	7441-68LPBP	<b>Discharger Report:</b>	0
<b>Site No:</b>		<b>Material Group:</b>	Oil
<b>Incident Dt:</b>	1/13/2005	<b>Health/Env Conseq:</b>	
<b>Year:</b>		<b>Client Type:</b>	
<b>Incident Cause:</b>	Other Transport Accident	<b>Sector Type:</b>	Other Motor Vehicle
<b>Incident Event:</b>		<b>Agency Involved:</b>	
<b>Contaminant Code:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	GASOLINE	<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	Kingston
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	Not Anticipated	<b>Site Municipality:</b>	Gananoque
<b>Nature of Impact:</b>	Surface Water Pollution	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	Water	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	1/13/2005	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	Spill to Inland Watercourses
<b>Incident Reason:</b>	Equipment/Vehicles	<b>Source Type:</b>	
<b>Site Name:</b>	Creek leading into Gananoque River<UNOFFICIAL>		
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	Creek to Gananoque R., 20L gas, submerged truck		
<b>Contaminant Qty:</b>	20 L		

**Site:** **CANADIAN WASTE SERVICES INC.**  
**MAPLE ST MOTOR VEHICLE (OPERATING FLUID) GANANOQUE SEP. TOWN ON**

**Database:**  
**SPL**

<b>Ref No:</b>	201439	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	5/25/2001	<b>Health/Env Conseq:</b>	
<b>Year:</b>		<b>Client Type:</b>	
<b>Incident Cause:</b>	PIPE/HOSE LEAK	<b>Sector Type:</b>	
<b>Incident Event:</b>		<b>Agency Involved:</b>	
<b>Contaminant Code:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	Possible	<b>Site Municipality:</b>	56301
<b>Nature of Impact:</b>	Water course or lake	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	Land	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	



<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	5/25/2001	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	UNKNOWN	<b>Source Type:</b>	
<b>Site Name:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	CANADIAN WASTE:30 TO 50 LHYDRAULIC OIL TO ROAD ANDSHOULDER. CLEANING.		
<b>Contaminant Qty:</b>			

## Appendix: Database Descriptions

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

### **Abandoned Aggregate Inventory:**

Provincial

**AGR**

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

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

### **Aggregate Inventory:**

Provincial

**AGR**

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

**Government Publication Date: Up to Sep 2018**

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

Provincial

**AMIS**

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

**Government Publication Date: 1800-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**

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

Private

**AUWR**

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

**Government Publication Date: 1999-Jan 31, 2019**

### **Borehole:**

Provincial

**BORE**

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

**Government Publication Date: 1875-Jul 2014**

### **Certificates of Approval:**

Provincial

**CA**

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

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

**Dry Cleaning Facilities:**

Federal

CDRY

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

**Government Publication Date:** Jan 2004-Dec 2017

**Commercial Fuel Oil Tanks:**

Provincial

CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; this listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date:** Feb 28, 2017

**Chemical Register:**

Private

CHEM

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

**Government Publication Date:** 1999-Jan 31, 2019

**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 - Mar 2019

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

Provincial

COAL

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

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

**Compliance and Convictions:**

Provincial

CONV

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

**Government Publication Date:** 1989-Mar 2019

**Certificates of Property Use:**

Provincial

CPU

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

**Government Publication Date:** 1994-Mar 31, 2019

**Drill Hole Database:**

Provincial

DRL

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

**Government Publication Date:** 1886 - Oct 2018

**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-Mar 31, 2019

**Environmental Registry:**

Provincial

[EBR](#)

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

**Government Publication Date: 1994-Mar 31, 2019**

**Environmental Compliance Approval:**

Provincial

[ECA](#)

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

**Government Publication Date: Oct 2011-Mar 31, 2019**

**Environmental Effects Monitoring:**

Federal

[EEM](#)

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

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

**ERIS Historical Searches:**

Private

[EHS](#)

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

**Government Publication Date: 1999-Jan 31, 2019**

**Environmental Issues Inventory System:**

Federal

[EIIS](#)

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

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

**Emergency Management Historical Event:**

Provincial

[EMHE](#)

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

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

**Environmental Penalty Annual Report:**

Provincial

[EPAR](#)

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

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

**List of TSSA Expired Facilities:**

Provincial

[EXP](#)

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**



**Federal Convictions:**

Federal

FCON

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

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

**Contaminated Sites on Federal Land:**

Federal

FCS

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

**Government Publication Date: Jun 2000-Oct 2018**

**Fisheries & Oceans Fuel Tanks:**

Federal

FOFT

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

**Government Publication Date: 1964-Sep 2018**

**Fuel Storage Tank:**

Provincial

FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Fuel Storage Tank - Historic:**

Provincial

FSTH

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

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

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

GEN

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

**Government Publication Date: 1986-Dec 31, 2018**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

GHG

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

**Government Publication Date: 2013-Dec 2016**

**TSSA Historic Incidents:**

Provincial

HINC

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

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

**Indian & Northern Affairs Fuel Tanks:**

Federal

IAFT

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

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

**TSSA Incidents:**

Provincial

INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date: Feb 28, 2017**

**Landfill Inventory Management Ontario:**

Provincial

LIMO

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

**Government Publication Date: Sep 30, 2017**

**Canadian Mine Locations:**

Private

MINE

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

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

**Mineral Occurrences:**

Provincial

MNR

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

**Government Publication Date: 1846-Jan 2019**

**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, 2017**

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

Federal

NDFT

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

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

**National Defense & Canadian Forces Spills:**

Federal

NDSP

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

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

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

Federal

NDWD

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

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

**National Energy Board Pipeline Incidents:**

Federal

NEBI

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

**Government Publication Date: 2008-Dec 31, 2018**

**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, 2019**

**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 OGSRLibrary has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

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

**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

**Orders:**

Provincial

ORD

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

**Government Publication Date:** 1994-Mar 31, 2019

**Canadian Pulp and Paper:**

Private

PAP

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

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

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

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

**Pesticide Register:**

Provincial

PES

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

**Government Publication Date:** 1988-Sep 2018

**TSSA Pipeline Incidents:**

Provincial

PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date:** Feb 28, 2017

**Private and Retail Fuel Storage Tanks:**

Provincial

PRT

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

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

**Permit to Take Water:**

Provincial

PTTW

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

**Government Publication Date:** 1994-Mar 31, 2019

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial

REC

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

**Government Publication Date:** 1986-2016



**Record of Site Condition:**

Provincial

RSC

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

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

**Government Publication Date:** 1997-Sept 2001, Oct 2004-Mar 2019

**Retail Fuel Storage Tanks:**

Private

RST

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

**Government Publication Date:** 1999-Jan 31, 2019

**Scott's Manufacturing Directory:**

Private

SCT

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

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

**Ontario Spills:**

Provincial

SPL

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

**Government Publication Date:** 1988-Feb 2019

**Wastewater Discharger Registration Database:**

Provincial

SRDS

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

**Government Publication Date:** 1990-Dec 31, 2016

**Anderson's Storage Tanks:**

Private

TANK

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

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

**Transport Canada Fuel Storage Tanks:**

Federal

TCFT

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

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

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**Government Publication Date:** Feb 28, 2017

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

Provincial

[WDS](#)

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

**Government Publication Date: Oct 2011-Mar 31, 2019**

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

Provincial

[WDSH](#)

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

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

**Water Well Information System:**

Provincial

[WWIS](#)

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

**Government Publication Date: Dec 31, 2017**

# Definitions

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

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

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

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

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

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

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

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

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

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

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

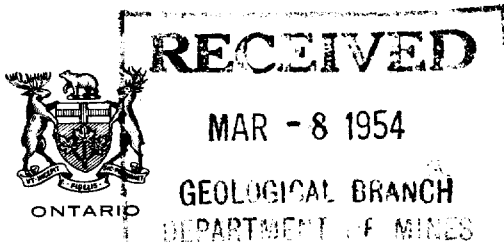
**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

**Appendix G**  
**Water Well RECORDS**



31C/86

UTM 1 8 2 4 0 6 2 9 0 E  
2 4 9 0 8 9 8 0 N  
Elev. 9 0 2 9 0  
Basin 2 4



36 No 256

The Well Drillers Act  
Department of Mines, Province of Ontario

# Water Well Record

Village, Town or City GANANOQUE  
own or City) MAPLE ST.  
STONE ST. GANANOQUE  
Date Completed 8 June 1953 Cost of Well (excluding pump).....  
(day) (month) (year)

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) <u>6 inch</u>	Date <u>June 8</u>
Length(s) of casing(s) <u>9 feet</u>	Static level <u>1.0</u>
Type of screen	Pumping level <u>2.0</u>
Length of screen	Pumping rate <u>3.5 gal per hour</u>
Distance from top of screen to ground level	Duration of test <u>intervals 10" - for 2 hrs.</u>
Is well a gravel-wall type?	Distance from cylinder or bowls to ground level

## Water Record

Kind (fresh or mineral) <u>Fresh</u>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur, etc.) <u>hard (medium)</u>	<u>04/260</u>	<u>Fresh</u>	<u>30</u>
Appearance (clear, cloudy, coloured) <u>Clear</u>			
For what purpose(s) is the water to be used? <u>household</u>			
How far is well from possible source of contamination? <u>new location</u>			
What is the source of contamination?			
Enclose a copy of any mineral analysis that has been made of water			

## Well Log

### Overburden and Bedrock Record

From

To

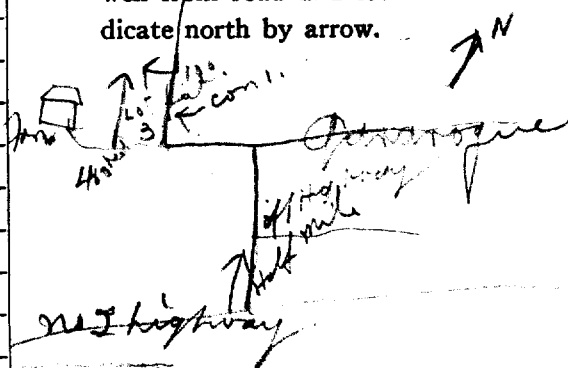
0 ft.

....ft.

8 feet of clay = 0 8  
52 feet granite = 8 60

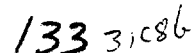
## Location of Well

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



Subdivision Lot 3  
See Location on file.

Situation: Is well on upland, in valley, or on hillside? upland  
Drilling Firm James M. Galt  
Address RR #3 Gananoque  
Name of Driller Alie Morrison Address Co. Jm. Galt  
Date June 8 1953 Licence Number 536  
Alie Morrison  
Signature of Licensee



48. E2

48. E2

DAY 8 MO. Dec. YR. 71

09070

RC  
4

ELEVATION  
0295

RC  
[S]

BASIN  
24

## Master Well Owner's and Land Owner's Information

First Name Thomson		Last Name Fasteners INC		E-mail Address	
Mailing Address (Street Number/Name, RR) 290 Fourth st.		Municipality Gananoque		Province ON	Postal Code K7G2W9
				Telephone No. (inc. area code) 613 382 2181	

### Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR)		Township	Lot	Concession
290 Fourth St.		City/Town/Village		
County/District/Municipality		Gananoque	Province	Postal Code
			Ontario	
UTM Coordinates	Zone	Easting	Northing	GPS Unit Make
NAD 83	18N	541490	9554	Garmin
				Model
				Etrex
Mode of Operation:		<input type="checkbox"/> Undifferentiated	<input checked="" type="checkbox"/> Averaged	
<input type="checkbox"/> Differentiated, specify				

## Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
B/K/Brn	Peat	wood		0'	15'
Gry	clay			15'	24'

### Hole Details

Depth (Metres)		Diameter (Centimetres)
From	To	
0'	24'	3.25''

## Water Use

<input type="checkbox"/> Public	<input type="checkbox"/> Industrial	<input type="checkbox"/> Not used	<input type="checkbox"/> Other, specify _____
<input type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Monitoring	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Cooling & Air Conditioning	

### Method of Construction

☐ Cable Tool      ☐ Air Percussion      ☐ Digging  
☐ Rotary (Conventional)      ☐ Diamond      ☐ Boring  
☐ Rotary (Reverse)      ☐ Jetting      ☒ Other, specify *Direct Push*  
☐ Rotary (Air)      ☐ Driving

## Status of Well

<input checked="" type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, Insufficient Supply
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Abandoned, Poor Water Quality
<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Other, specify _____
<input type="checkbox"/> Alteration (Construction)	<input type="checkbox"/> Abandoned, other, specify _____

### No Casing and Screen Used

<input type="checkbox"/> Yes	<input type="checkbox"/> No				Metres
------------------------------	-----------------------------	--	--	--	--------

### Static Water Level Test

Screen	
<input type="checkbox"/> Galvanized	<input type="checkbox"/> Steel
<input type="checkbox"/> Fibreglass	<input type="checkbox"/> Concrete
<input checked="" type="checkbox"/> Plastic	
Outside Diameter (Centimetres)	Slot No.
1-8"	10

### Water Details

Water found at Depth	Kind of Water
<input type="text"/> Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth	Kind of Water
<input type="text"/> Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth	Kind of Water
<input type="text"/> Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No If no, provide reason:	Date Master Well Completed (yyyy/mm/dd) 2009/07/10
---	--

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster 5	Please indicate Number of Cluster Well Information Log Sheets Submitted
Total Wells on this Property 5	

## Location of Well Cluster

☐ Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request	
---	--

Signature of Technician/Contractor	Date (yyyy/mm/dd)
------------------------------------	-------------------

## Well Contractor and Well Technician Information

Business Name of Well Contractor		Well Contractor's Licence No.	
Strata Soil Sampling		7 2 4 1	
Business Address (Street No./Name, number, RR)		Municipality	
2-147 West Beaver Creek Dr		Richmond Hill	
Province	Postal Code	Business E-mail Address	
ON	L4B 1C6	wrecords@stratasoil.co	
Bus. Telephone No. (inc. area code)		Name of Well Technician (Last Name, First Name)	
9057649304		Mait, Mike	
Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)	
3 4 4 8	Mike Mait	2009/07/2	

Master Well Owner's/ and Owner's consent to use Cluster Form

JUL 29 2009

Remarks







⊕ - PROPOSED BHS

6534

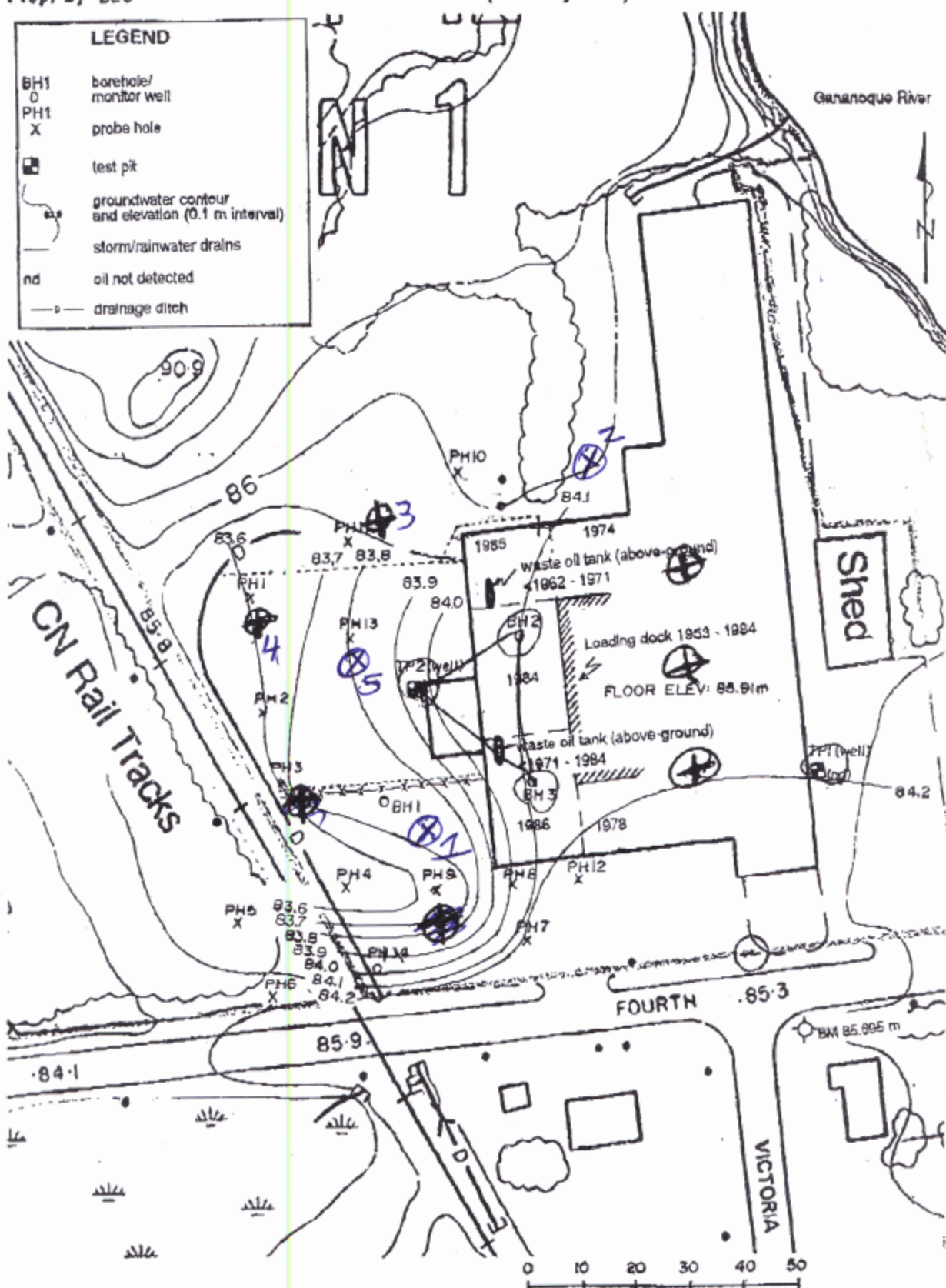
Our Ref. No. 94-6-M3

# GROUNDWATER EQUIPOTENTIAL CONTOURS

Enclosure No. 10

Prep. By BEO

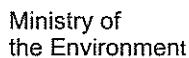
LEGEND	
BH1	borehole/ monitor well
PH1	probe hole
X	test pit
—	groundwater contour and elevation (0.1 m interval)
—	storm/rainwater drains
nd	oil not detected
—	drainage ditch



GEOCOR ENGINEERING INC.

JUL 29 2009

⊕-7241 m05125  
C06457



W

**A 081803**

icker and/or Print Below)

A081803

**Master Well Record for  
Cluster Well Construction**  
*Regulation 903, Ontario Water Resources Act*

Regulation 903, Ontario Water Resources Act

Page 1 of 3

### Master Well Owner's and Land Owner's Information

First Name <i>Thomson Fasteners Inc.</i>		Last Name		E-mail Address			
Mailing Address (Street Number/Name, RR) <i>Postal Bag 5300, 290 4<sup>th</sup> St Gananoque</i>			Municipality		Province <i>ON</i>	Postal Code <i>K7G 2W9</i>	Telephone No. (inc. area code)

### Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number, Name, RR) 290 4th Street		Township	Lot	Concession
County/District/Municipality	City/Town/Village		Province	Postal Code

Gananoque	Ontario	1976249
-----------	---------	---------

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged
NAD 83	18	406532	4909584	Garmin	Etrex	<input type="checkbox"/> Differentiated, specify

Overburden and Bedrock Materials (see instructions on the back of this form)

[illegible]

### Hole Details

Depth (Metres)		Diameter (Centimetres)
From	To	
0	6.71	8.25

## Water Use

☐ Public      ☐ Industrial      ☐ Not used      ☐ Other, specify \_\_\_\_\_

☐ Domestic      ☐ Commercial      ☐ Dewatering

☐ Livestock      ☐ Municipal      ☒ Monitoring

☐ Irrigation      ☒ Test Hole      ☐ Cooling & Air Conditioning

### Method of Construction

<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Air Percussion	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Boring
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Other, specify
<input type="checkbox"/> Rotary (Air)	<input type="checkbox"/> Driving	<i>Direct Push</i>

### Status of Well

☒ Test Hole                      ☐ Abandoned, Insufficient Supply  
☐ Replacement Well           ☐ Abandoned, Poor Water Quality  
☐ Dewatering Well             ☒ Other, specify monitoring  
☐ Alteration (Construction) ☐ Abandoned, other, specify

### No Casing and Screen Used

[illegible]

## Static Water Level Test

[illegible]

## Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☒ Plastic

Outside Diameter (Centimetres)	Slot No.
4.82	10

## Water Details

Water found at Depth       Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth       Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth       Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No. If no, provide reason:	Date Master Well Completed (yyyy/mm/dd) 2008/07/20
--	---

**Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)**

Total Wells in Cluster 3	Please indicate Number of Cluster Well Information Log Sheets Submitted
Total Wells on this Property 3	


### Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.

☒ Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to

## Well Contractor and Well Technician Information

Business Name of Well Contractor		Well Contractor's Licence No.	
Strata Soil Sampling		7 2 4 1	
Business Address (Street No./Name, number, RR)		Municipality	
#2 - 147 West Beaver Creek		Richmond Hill	
Province	Postal Code	Business E-mail Address	
ON	L4B 1C6		
Bus. Telephone No. (inc. area code)		Name of Well Technician (Last Name, First Name)	
(905) 764-9304		Robyn Jarvis	
Well Technician's Licence No.	Signature of Technician	Date Submitted (yy/mm/dd)	
3159		2008/07/29	

## Ministry Use Only

Audit No. <b>M 02586</b> Date Received (yyyy/mm/dd) Remarks <b>AUG 19 2009</b>	Well Contractor No. Date of Inspection (yyyy/mm/dd)
--	--

Ministry of  
the Environment

Well Tag No. for Master *100.00* Well Tag No. *100.00*  
**A 081803**

4081803

**Cluster Well Information for Cluster Well Construction**  
*Regulation 903 Ontario Water Resources Act*


Page 2 of 3

### Property Owner's Information

First Name <i>Thomson Fasteners</i>		Last Name <i>Inc.</i>		Mailing Address (Street No./Name, RR) <i>290 4th Street P.O. Box 5300</i>		Municipality <i>Gananoque</i>	
Province <i>Ontario</i>		Postal Code <i>K7G2W9</i>		E-mail Address		Telephone No. (inc. area code)	

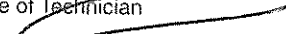
### Cluster Well Information

Address of Well Location (Street Number/Name, RR) <i>From 290 4th Street</i>		Lot	Concession	Township	County/District/Municipality	
City/Town/Village <i>Gananoque</i>	Province <i>Ontario</i>	Postal Code <i>K7G2W9</i>	GPS Unit Make <i>Garmin</i>	Model <i>Etrex</i>	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input type="checkbox"/> Differentiated, specify: _____	<input type="checkbox"/> Averaged <input checked="" type="checkbox"/>

Consent to release additional information to the Director upon request	
Signature of Technician/Contractor 	Date (yyyy/mm/dd)

[illegible]

## Well Contractor and Well Technician Information

Business Name of Well Contractor				Business Address (Street Number/Name, RR)				Municipality		Province	
Strata Soil Sampling Inc.				147-2 West Beaver Creek Road				Richmond Hill		Ontario	
Postal Code		Business Telephone No. (inc. area code)		Well Contractor's Licence No.		Business E-mail Address					
L4B 1G6		905-764-9304		7 2 4 1		wrecords@stratasoil.com					
Name of Well Technician (First Name, Last Name)				Well Technician's Licence No.		Date Submitted (yyyy/mm/dd)		Signature of Technician			
Trevi Roberson				3 1 5 9		2009/07/29					

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/07/20	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/07/20
Ministry Use Only	
Date Received (yyyy/mm/dd) AUG 19 2009	Date Inspected (yyyy/mm/dd)
Audit No C 05043	Remarks M02586

Fig 3043  
6548

Our Ref. No. 94-6-M3

Prep. By BEG

# DEPTH CONTOURS OF PEAT AND FILL

Enclosure No. 8

**LEGEND**

BH1  
O  
PH1  
X

borehole/  
monitor well  
probe hole  
test pit

— 6 —  
— 5 —  
— 4 —  
— 3 —  
— 2 —  
— 1 —  
— 0 —

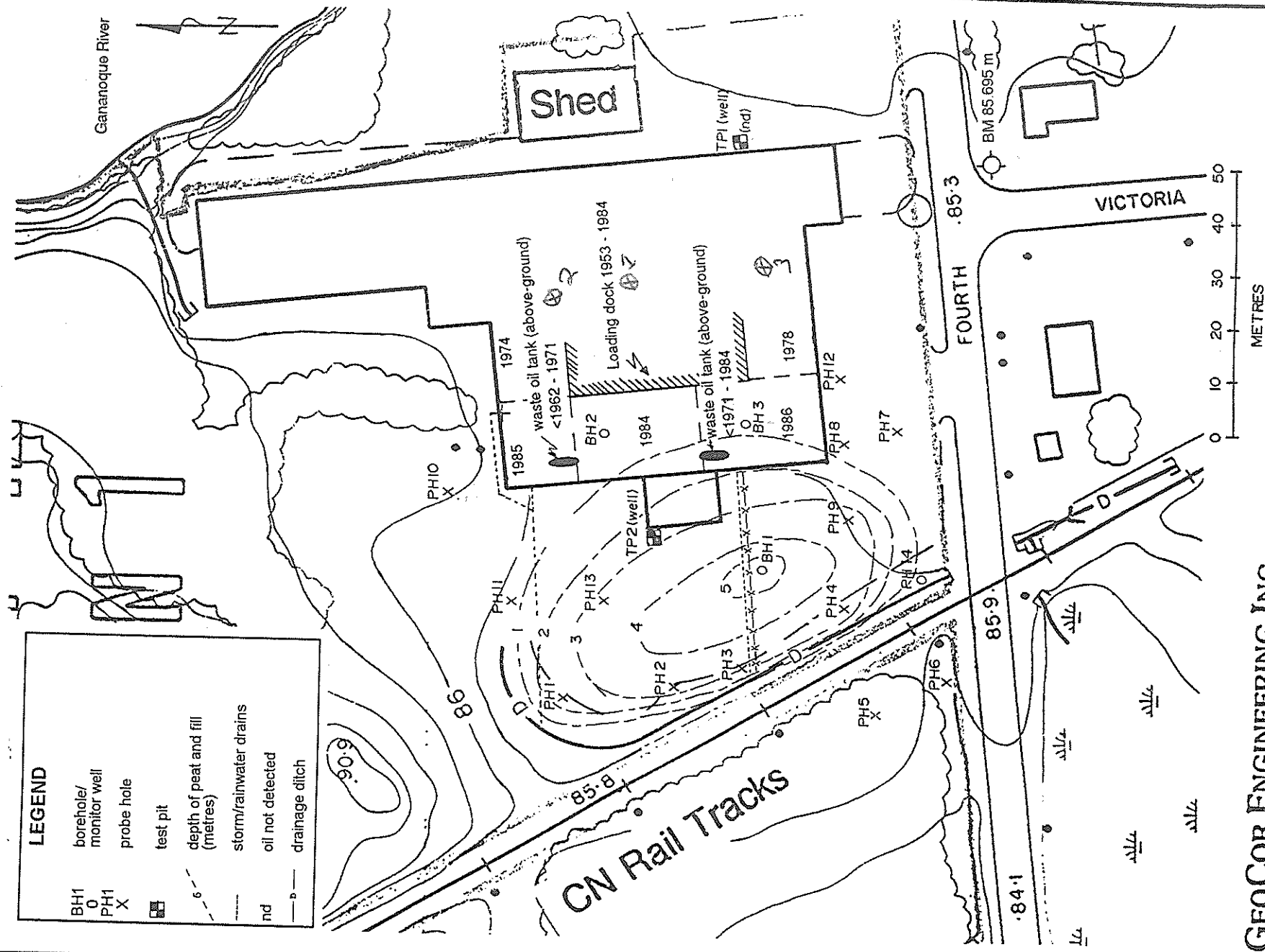
depth of peat and fill  
(metres)

---  
---

storm/rainwater drains

nd  
—

oil not detected  
drainage ditch



GEOCOR ENGINEERING INC.

AUG 19 2009

C-7241 m02586 c05882





A 084227

Measurements recorded in: ☐ Metric ☐ Imperial

Page 1 of 1

Address of Well Location (Street Number/Name) 290 Fourth Street		Township	Lot	Concession
County/District/Municipality		City/Town/Village Gananoque	Province Ontario	Postal Code K0G 002039
UTM Coordinates	Zone	Easting	Northings	Municipal Plan and Sublot Number
NAD 83	18	406538	4909346	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
Brown Grey	Fill Clay	Gravel Silt	Dense Very Dense	0 0.91 0.91 6.1

Annular Space			Results of Well Yield Testing			
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down Time (min) Water Level (m/ft)	Recovery Time (min) Water Level (m/ft)	
0 0.31	concrete	0.0008		1	1	
0.31 3.1	Bentonite	0.008				
3.1 6.1	Sand	0.008				

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input checked="" type="checkbox"/> Other, specify	<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <b>Direct Push</b>	<input type="checkbox"/> Public <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify	<input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> Monitoring

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From To	<input type="checkbox"/> Water Supply <input checked="" type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input checked="" type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify	
5.20	Plastic	0.340	0 3.1		

Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From To
6.03	Plastic	60	3.1 6.1

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 6.1	8.25
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		


Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata Soil Sampling Inc.		Well Contractor's Licence No. 7241	
Business Address (Street Number/Name) 147-2 West Beaver Creek Road		Municipality Richmond Hill	
Province Ontario	Postal Code L4B 1C6	Business E-mail Address wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code) 905-764-9304		Name of Well Technician (Last Name, First Name) Robinson Trevis	
Well Technician's Licence No. 31154		Date Submitted 2009 12 18	
Signature of Technician and/or Contractor [Signature]		Date 2009 12 14	

General contractor:  
Pinchin Environmental

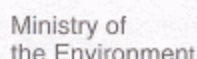
Ministry Use Only	
Audit No. 2108721	Received JAN 21 2010





LEGEND	
---	SITE PERIMETER
MW-1	APPROX LOCATION OF PINCHIN MONITORING WELL
←	INFERRED GROUNDWATER FLOW DIRECTION
99.50	GROUNDWATER ELEVATION CONTOUR
 200 - 515 LEGGET DRIVE KANATA, ONTARIO	
TITLE: Generalized Groundwater Elevation Contour Plan 290 Fourth Street, Gananoque, Ontario	
CLIENT Thomson Fasteners Inc. 290 Fourth Street, Gananoque, Ontario	
DRAWN BY:	PJR
CHECKED BY:	PJR
DATE:	September 2009
PROJECT NO:	53527
SCALE:	NTS
FIGURE NO:	4





Well Tag No. for Master Well (Place Sticker and/or Print Below)

**A 093975**

A093975

## Regulation 903 Ontario Water Resources Act

Page 7 of 22

## Master Well Owner's and Land Owner's Information

First Name Thompson		Last Name Fasteners Inc.		E-mail Address	
Mailing Address (Street Number/Name, RR) 290 4 <sup>th</sup> st.		Municipality Gananoque	Province ON	Postal Code	Telephone No. (inc. area code)

### Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR) 290 4 <sup>th</sup> St.	Township	Lot	Concession
County/District/Municipality	City/Town/Village Garranoque	Province Ontario	Postal Code 

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged
NAD 83	18	406563	4909542	Garmin	Etrex	<input type="checkbox"/> Differentiated, specify

## Overburden and Bedrock Materials (see instructions on the back of this form)

[illegible]

### Hole Details

Depth (Metres)		Diameter (Centimetres)
From	To	
0	7.62	20.32

### Water Use

☐ Public ☐ Industrial ☐ Not used ☐ Other, specify \_\_\_\_\_

☐ Domestic ☐ Commercial ☐ Dewatering \_\_\_\_\_

☐ Livestock ☐ Municipal ☒ Monitoring \_\_\_\_\_

☐ Irrigation ☒ Test Hole ☐ Cooling & Air Conditioning \_\_\_\_\_

### Method of Construction

☐ Cable Tool      ☐ Air Percussion      ☐ Digging  
☒ Rotary (Conventional)      ☐ Diamond      ☐ Boring  
☐ Rotary (Reverse)      ☐ Jetting      ☒ Other, specify  
☐ Rotary (Air)      ☐ Driving      *Direct Push*

## Status of Well

<input checked="" type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, Insufficient Supply
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Abandoned, Poor Water Quality
<input type="checkbox"/> Dewatering Well	<input checked="" type="checkbox"/> Other, specify <u>monitoring</u>
<input type="checkbox"/> Alteration (Construction)	<input type="checkbox"/> Abandoned, other, specify

### No Casing and Screen Used

Open Hole	<input type="checkbox"/> Yes <input type="checkbox"/> No				Metres
-----------	--	--	--	--	--------

### Static Water Level Test

## Screen

<input type="checkbox"/> Galvanized	<input type="checkbox"/> Steel	<input type="checkbox"/> Fibreglass	<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Plastic
Outside Diameter (Centimetres)		Slot No.		

### Water Details

Water found at Depth       Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth       Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth       Metres <input type="checkbox"/> Gas	Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

## Annular Space/Abandonment Sealing Record

[illegible]

## Well Contractor and Well Technician Information

Business Name of Well Contractor Strata Soil Sampling		Well Contractor's Licence No. 7241	
Business Address (Street No./Name, number, RR) #2-147 West Beaver Creek		Municipality Richmond	
Province ON	Postal Code L4B1C6	Business E-mail Address wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) (905) 764-9304 Mair, Mike			
Well Technician's Licence No. 3448		Signature of Technician Mike Mair	
		Date Submitted (yyyy/mm/dd) 2009/12/25	

## Ministry Use Only

Audit No.	Well Contractor No.
M 05274	
Date Received (yyyy/mm/dd)	Date of Inspection (yyyy/mm/dd)
JAN 21 2013	
Remarks	





Well Tag No. for Master Well (Print Well Tag No.)  
**A 093975**

## Regulation 903 Ontario Water Resources Act

6879 Page 2 of 3

First Name <b>Thompson</b>	Last Name <b>Fasteners Inc.</b>	Mailing Address (Street No./Name, RR) <b>290 4th Street</b>	Municipality <b>Gananoque</b>
Province <b>ONTARIO</b>	Postal Code	E-mail Address	Telephone No. (inc. area code)

Address of Well Location (Street Number/Name, RR) 290 4th Street			Lot	Concession	Township	County/District/Municipality	
City/Town/Village Gananoque	Province Ontario	Postal Code	GPS Unit Make Garmin	Model ETREX	Unit Mode of Operation <input type="checkbox"/> Differentiated, specify:	<input type="checkbox"/> Undifferentiated	<input checked="" type="checkbox"/> Averaged

Signature of Technician/Contractor	Date (yyyy/mm/dd)
Justin Richmond	2009/12/18

[illegible]

Business Name of Well Contractor		Business Address (Street Number/Name, RR)		Municipality	Province
Strata Soil Sampling		#2-147 West Beaver Creek		Richmond Hill	ON
Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address		
L4B 1C6	(905) 764-9304	3448	wrecords@stratasoil.com		
Name of Well Technician (First Name, Last Name)		Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician	
Main Mike		77	2009/12/25	[Signature]	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/12/00	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/12/10
---	--

Date Received (yyyy/mm/dd) <b>JAN 21 2010</b>	Date Inspected (yyyy/mm/dd)
Audit No. <b>C 06019</b>	Remarks <b>MO5274</b>



6979



<p>LEGEND</p> <p>--- SITE PERIMETER</p> <p>□ SITE BUILDING</p> <p>MW-1 APPROX LOCATION OF PINCHIN MONITORING WELL</p> <p>TP-2 APPROX LOCATION OF EXISTING MONITORING WELL</p>	
<p>JAN 21 2010</p>	
<p><b>PINCHIN ENVIRONMENTAL</b></p> <p>200 - 515 LEGGET DRIVE KANATA, ONTARIO</p>	
<p>TITLE:</p> <p>Generalized Monitoring Well Location Plan</p> <p>290 Fourth Street, Gananoque, Ontario</p>	
<p>CLIENT</p> <p>Thomson Fasteners Inc. 290 Fourth Street, Gananoque, Ontario</p>	
DRAWN BY:	PJR
CHECKED BY:	PJR
DATE:	September 2009
PROJECT NO:	53647
SCALE:	NTS
FIGURE NO:	2

626907 AL250W 152L-3



Measurements recorded in: ☒ Metric ☐ Imperial

### Well Owner's Information

First Name	Last Name / Organization	E-mail Address			<input type="checkbox"/> Well Constructed by Well Owner
Corporation of the Town of Gananoque					
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)	
30 King St. East P.O. Box 100	Gananoque	ON	K7G2T6	6133822149	

## Well Location

Address of Well Location (Street Number/Name) 305 Third ST			Township Town of Gananoque		Lot 337-348	Concession Plan 86
County/District/Municipality Leeds + Grenville			City/Town/Village Gananoque		Province Ontario	Postal Code K7G3C1
UTM Coordinates NAD   8   3	Zone Easting 18406703	Northing 4909320	Municipal Plan and Sublot Number			Other

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Topsoil			0	0.30
Brown	clay		Dense	0.30	3.65
Gray	clay	silt	SOFT/wet	3.65	4.57
m.w	GPS				
1	15T 406710	4909240			
2	15T 406683	4909277			

Annular Space			
Depth Set at (m/ft)		Type of Sealant Used	Volume Placed
From	To	(Material and Type)	(m³/ft³)
0	0.30	Flush mount cover w/cement	
0.30	1.21	Bentonite chips	
1.21	4.57	#3 Sand	

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____		

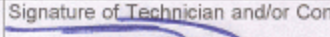
Construction Record - Casing					Status of Well
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
5.08	Plastic	SCH 40	0	1.52	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
5.08	Plastic	slot # 10	1.52	4.57

☐ Abandoned, Poor Water Quality  
☐ Abandoned, other, specify \_\_\_\_\_  
☐ Other, specify \_\_\_\_\_

Insufficient Supply

Water Details		Hole Diameter		
Water found at Depth 3.65 (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested <input type="checkbox"/> Other, specify	Depth (m/ft) From To		Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify	0	4.57	15-24
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify			

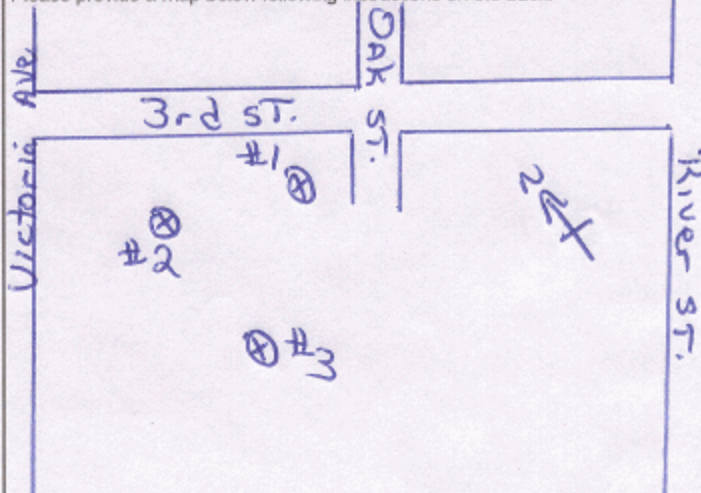
Well Contractor and Well Technician Information			
Business Name of Well Contractor		Well Contractor's Licence No.	
G.E.T. Drilling LTD		7085	
Business Address (Street Number/Name)		Municipality	
228 Drive-mmo		Napanee	
Province	Postal Code	Business E-mail Address	
on	K7R3H1	getdrilling@mycando.ca	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
6133544767	Turnbull, Mike		
Well Technician's Licence No.	Signature of Technician and/or Contractor		Date Submitted
3042			20100821

### Results of Well Yield Testing

Results of Water Pumping		Draw Down		Recovery	
After test of well yield, water was:		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, <i>specify</i> _____		Static Level			
If pumping discontinued, give reason:		1		1	
Pump intake set at (m/ft) <i>NOT</i> <i>TESTED</i>		2		2	
Pumping rate (l/min / GPM)				3	
		4		4	
Duration of pumping		5		5	
____ hrs + ____ min		10		10	
Final water level end of pumping (m/ft)		15		15	
If flowing give rate (l/min / GPM)		20		20	
Recommended pump depth (m/ft)		25		25	
Recommended pump rate (l/min / GPM)		30		30	
		40		40	
Well production (l/min / GPM)		50		50	
Disinfected?		60		60	
<input type="checkbox"/> Yes <input type="checkbox"/> No					

### Map of Well Location

Please provide a map below following instructions on the back.



Comments:

3m.w. All share Same Features

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
	Y Y Y Y M M D D	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Work Completed	Audit No. <b>z121583</b> <b>SEP 17 2010</b> Received



## **Appendix H**

### **Correspondence**



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

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

**27 May 2019**

Ryan Fox  
MALROZ ENGINEERING INC.  
2<sup>nd</sup> Floor  
308 Wellington St.  
KINGSTON ON K7K 7A8

**Subject: Lots 125 W G R PL 86S/T, Gananoque, Ontario**  
**Your File No.: 1234**  
**SR No.: 2579394**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested Fuels Safety documents.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

Roxana Suarez-Mashtaler  
Public Information Services





345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

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

**27 May 2019**

Ryan Fox  
MALROZ ENGINEERING INC.  
2<sup>nd</sup> Floor  
308 Wellington St.  
KINGSTON ON K7K 7A8

**Subject: 460 Second Street, Gananoque, Ontario**  
**Your File No.: 1234**  
**SR No.: 2579400**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested Fuels Safety documents.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

Roxana Suarez-Mashtaler  
Public Information Services

---

**From:** Mike Dakin <MDakin@crca.ca>  
**Sent:** May-03-19 11:39 AM  
**To:** Ryan Fox  
**Subject:** RE: ANSI / Wetland Information Request

Thanks Ryan. I can confirm that there are no ANSIs or wetlands within 0.25 km of the property according to our mapping.

The contact for MNRF Kemptville District regarding species at risk is Mary Dillon, District Planner. Her email is:

Dillon, Mary (MNRF) <Mary.Dillon@ontario.ca>

Let me know if you need anything else.  
Mike

*Michael Dakin* MCIP, RPP  
Resource Planner  
Cataraqui Region Conservation Authority  
Visit us on the Web: [www.crc.ca](http://www.crc.ca)

---

**From:** Ryan Fox <Fox@malroz.com>  
**Sent:** May 2, 2019 3:21 PM  
**To:** Mike Dakin <MDakin@crca.ca>  
**Cc:** Rhonda Roantree <rroantree@crca.ca>  
**Subject:** RE: ANSI / Wetland Information Request

Hi Mike,

Certainly; I have attached a figure showing the outline of the site in black. A MNRF contact would be great to have if you don't mind.

Thanks,

---

**Ryan Fox, E.I.T.** Malroz Engineering Inc. T: 613-548-3446 x35 C: 613-929-1452

---

**From:** Mike Dakin <MDakin@crca.ca>  
**Sent:** May 2, 2019 3:11 PM  
**To:** Ryan Fox <Fox@malroz.com>  
**Cc:** Rhonda Roantree <rroantree@crca.ca>  
**Subject:** RE: ANSI / Wetland Information Request

Hi Ryan,

Could you send me a map showing the study area so that I can respond (our mapping does not have subdivision lot numbers). I know the general area and I don't believe there any ANSI or wetland features within 250 m of the properties but I would like to confirm for you.

With regards to species at risk, please contact MNRF Kemptville District for this information. I can provide a contact if you need one.

Mike

*Michael Dakin* MCIP, RPP

Resource Planner

**Cataraqui Region Conservation Authority**

Visit us on the Web: [www.crca.ca](http://www.crca.ca)

---

**From:** Ryan Fox <[Fox@malroz.com](mailto:Fox@malroz.com)>

**Sent:** May 1, 2019 10:35 AM

**To:** Info <[info@crca.ca](mailto:info@crca.ca)>

**Subject:** ANSI / Wetland Information Request

Good Afternoon,

I am writing to you to request information on two properties, relating to environmental constraints. The subject sites are located at:

- **460 Second Street, Lots 181 to 200W Gananoque River PL 86, Gananoque, ON. K7G 2K2**
- **Second Street, Lots 125, 127 to 140 W G R PL 86S/T, Gananoque, ON. K7G 2K2**

We are conducting an environmental assessment of this site and I would like to request any information on record concerning the following areas either on the property or within a 0.25 km radius.

- An area of natural and scientific interest (life science).
- A wetland identified by your authority
- A habitat of endangered or threatened species

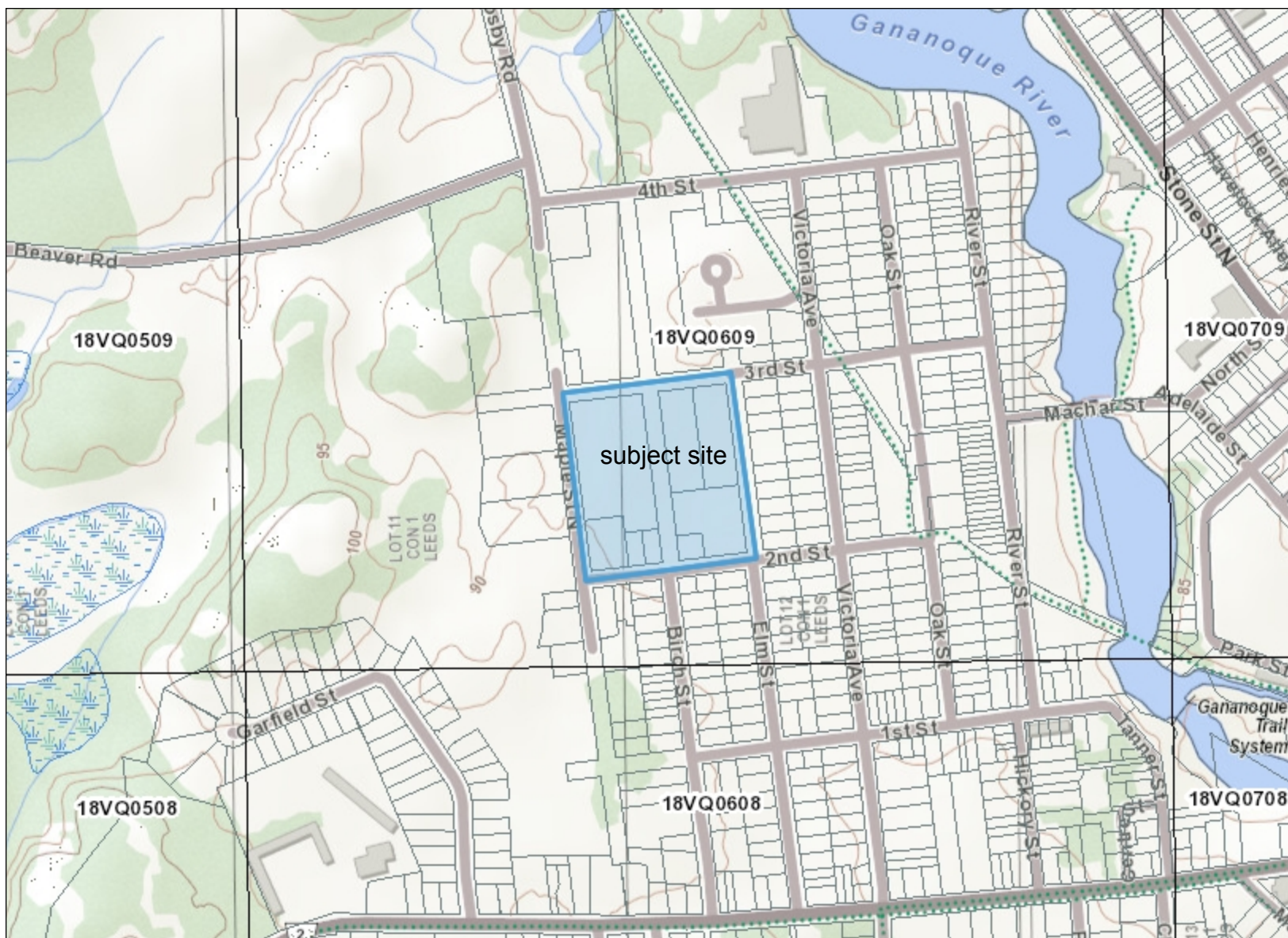
Thank you for your help, I look forward to hearing from you soon.



**Ryan Fox, E.I.T.**

Environmental Engineer-in-Training  
Malroz Engineering Inc.

308 Wellington Street, 2nd floor  
Kingston, ON K7K 7A8  
T: 613-548-3446 x35  
C: 613-929-1452



## Legend

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion
- Wetland**
  - Provincially Significant Wetland Evaluated
  - Non - Provincially Significant Wetland Evaluated
  - Unevaluated Wetland
- Area of Natural Heritage & Scientific Interest (ANSI)**
  - Provincially Significant Life Science ANSI
  - Provincially Significant Earth Science ANSI
- Greenbelt Plan**
  - Boundary
  - River Valley Connections
- Land Use Designations**
  - Protected Countryside
  - Towns and Villages
  - Hamlets
  - Urban River Valley
  - Specialty Crop Area
- Niagara Escarpment Plan (NEP)**
  - Boundary
  - Parks and Open Space System
- Land Use Designations**
  - Escarpment Natural Area
  - Escarpment Protection Area
  - Escarpment Rural Area
  - Mineral Resource Extraction Area
  - Escarpment Recreation Area
  - Urban Area
  - Minor Urban Centre
- Oak Ridges Moraine Conservation Plan (ORM)**
  - Boundary
- Land Use Designations**
  - Natural Core Area
  - Natural Linkage Area
  - Countryside Area
  - Rural Settlement
  - Palgrave Estates Residential Community
  - Settlement Area

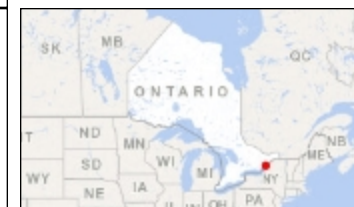
0.3 0 0.16 0.3 Kilometers



This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry (OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

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GTA 2005 / SWOOP 2006 / Simcoe-Muskoka-Dufferin © FirstBase Solutions, 2005 / 2006 / 2008  
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Element Type	Common Name	Scientific Name	SRank	SARO Status	COSEWIC Status	Last Obs Date	EO ID	Details URL
NATURAL AREA	Frontenac Arch Biosphere Reserve						18987	<a href="http://nhic.mnr.gov.on.ca/natural_areas/areas.php?source=MaMNHA&amp;feature=NA&amp;areaid=18987">http://nhic.mnr.gov.on.ca/natural_areas/areas.php?source=MaMNHA&amp;feature=NA&amp;areaid=18987</a>
SPECIES	Green Arrow Arum	Peltandra virginica	S3			1966-09-12	34479	<a href="http://nhic.mnr.gov.on.ca/reports/public_details.php?source=1kmgriddetail&amp;nhic_eo_id=34479">http://nhic.mnr.gov.on.ca/reports/public_details.php?source=1kmgriddetail&amp;nhic_eo_id=34479</a>
SPECIES	Green Arrow Arum	Peltandra virginica	S3			1980-06-09	34482	<a href="http://nhic.mnr.gov.on.ca/reports/public_details.php?source=1kmgriddetail&amp;nhic_eo_id=34482">http://nhic.mnr.gov.on.ca/reports/public_details.php?source=1kmgriddetail&amp;nhic_eo_id=34482</a>
SPECIES	Green Arrow Arum	Peltandra virginica	S3			1992-08-06	42161	<a href="http://nhic.mnr.gov.on.ca/reports/public_details.php?source=1kmgriddetail&amp;nhic_eo_id=42161">http://nhic.mnr.gov.on.ca/reports/public_details.php?source=1kmgriddetail&amp;nhic_eo_id=42161</a>



**Appendix I**  
**Site Photographs**



Photo 1: view of the laneway easement at the south end of the subject site



Photo 2: view of east parcel of subject site, facing north



Photo 3: view of west parcel of subject site, facing north



Photo 4: view of house adjacent to the southern property boundary of the east parcel, facing north-east.





Photo 5: view of former quarry on Beaver Road, west of the subject site



Photo 6: view of marshy area along Fourth Street, north of the subject site, facing south-east



Photo 7: view of Gananoque Trail (former railway) at Fourth Street, facing north



Photo 8: view of Gananoque Trail (former railway) at Fourth Street, facing south





Photo 9: view of Thomson Fasteners on Fourth Street, facing east



Photo 10: view of Gananoque Family Housing, facing west

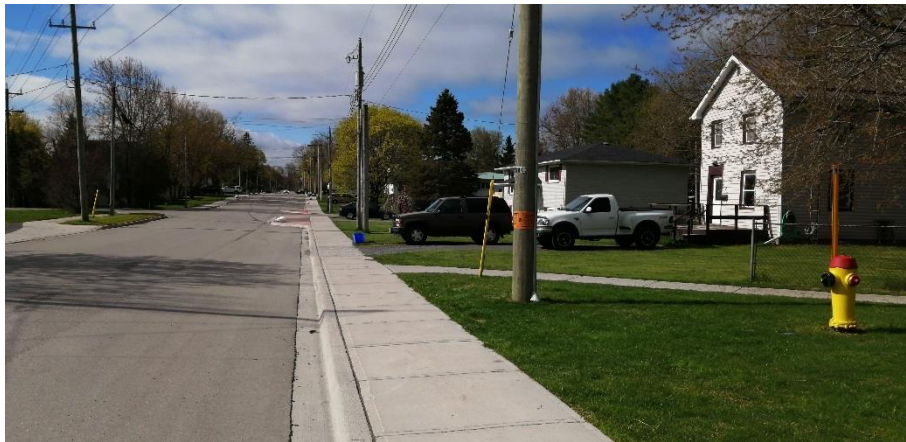


Photo 11: view of residential neighbourhood on Victoria Avenue, facing south



Photo 12: view of residential building at Third Street and Oak Street (formerly warehouse for St. Lawrence Oil Supply Co.)





Photo 14: view of vacant property (formerly St. Lawrence Oil Supply Co.) adjacent to the former railway and Third Street.



Photo 13: view of commercial building on Third Street (Gan U-Brew), former automotive garage



Photo 15: view of residential neighbourhood on Elm Street, south of the subject site



Photo 16: view of residential and agricultural properties west of the subject site





Photo 17: view of the outflow of the buried culvert that runs across the east parcel of the subject site

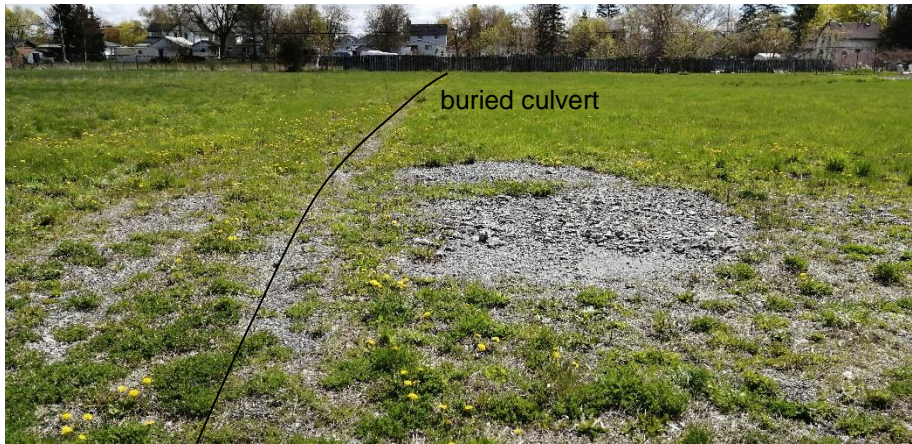


Photo 18: view of the culvert that runs across the east parcel of the subject site, facing east



Photo 19: view of the house adjacent to the southern property boundary and the fencing along the eastern property boundary, facing east



Photo 20: view of the marshy area in the south central area of the subject site





Photo 21: view of small brick and wood debris at the eastern property boundary of the subject site, facing south



Photo 22: view of small brick and wood pile at the eastern property boundary of the subject site, facing north



Photo 23: view of the eastern property boundary and the property east of the subject site



Photo 24: view of one of the previously excavated test pits, completed by others, on the subject site





Photo 25: view of litter observed in the brush at the east property boundary of the subject site



Photo 26: view of 5 gallon pail and litter observed in the brush at the north property boundary of the subject site



Photo 27: view of the partially full 5 gallon pail of an unknown substance observed in the brush at the north property boundary



Photo 28: view of north and west property boundary of the subject site, facing west





Photo 29: view of debris piles observed in the brush near the centre of the subject site



Photo 30: view of concrete debris observed in the brush near the centre of the subject site



Photo 31: view of old barbecue observed in the brush near the centre of the subject site



Photo 32: view of concrete and wood debris observed near the centre of the subject site





Photo 33: view of the marshy area in the south west of the subject site, facing north



Photo 34: view of debris (old trampoline) observed in the brush near the western property boundary of the subject site



Photo 35: view of culvert and marshy area in the north west of the subject site, facing east



Photo 36: view of west property boundary of the subject site, facing south east



**From:** [Dave Carnegie](#)  
**To:** [Brenda Guy](#)  
**Cc:** [tanner@hybrid1.ca](mailto:tanner@hybrid1.ca)  
**Subject:** Follow-up RE: 460 Second Street, Gananoque, ON - Phase 1 ESA  
**Date:** Wednesday, September 14, 2022 1:29:48 PM

---

Hello Brenda,

Further to our discussion just now regarding 460 Second Street in Gananoque, and my discussion with Tanner at Hybrid, we confirm that the scope of the Phase 1 ESA concerned land within the “subject site boundary” depicted in Figures 1-3 of our Phase 1 ESA report. We understand that this included a section of unopened road allowance which extends north from the current terminus of Birch Street towards the depicted subject site boundary. The road allowance is described as a right of way through the property on page 20 of the Phase 1 ESA.

Please do not hesitate to contact us with any questions or concerns,

Best Regards,  
Dave Carnegie

---

**David Carnegie, M.Sc., MBA, P.Eng.**      Malroz Engineering Inc.      T: 613-548-3446 x27      C: 613-929-9115