

**TOWN OF CALEDON  
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**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
PROPOSED NEW DEVELOPMENT  
17791 MOUNT HOPE ROAD  
CALEDON, ONTARIO**

**Prepared for:**

**Palgrave Estate Homes**

**Prepared By:**

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## 1.0 EXECUTIVE SUMMARY

Sirati & Partners Consultants Ltd. (SIRATI) was retained by Palgrave Estate Homes (the Client) to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 17791 Mount Hope Road, in the Town of Caledon, Ontario (the Phase One Property or the Site). The approximate site location is shown on Figure 1.

The Phase One Property is located on the east side of Mount Hope Road, in a rural residential and agricultural area of the Town of Caledon, Ontario, and covers an area of approximately 41.21 hectares (approximately 101.83 acres).

It is understood that the Phase One Property will be re-developed in a residential subdivision with residential houses with one (1) level of basement. The Phase One ESA was completed in support of the development application and was carried out in general accordance with O. Reg. 153/04 as amended.

The Phase One ESA consisted of conducting data search and review of readily available environmental information for the Phase One Property as well as for the properties located within a 250 m radius of the Site (i.e., the Phase One Study Area), site visit or reconnaissance, interview with the people who are knowledgeable of the site activities, and a comprehensive assessment of the Site.

The Phase One Property was first developed with buildings in 1880s and has been used for residential and agricultural purpose since then. The building structures were demolished between 2009 and 2013.

No potentially contaminating activities (PCAs) were identified on the properties located in the Phase One Study Area. However, PCAs were noted on the Phase One Property. The identified PCAs are summarized in the following table.

PCA Number	Location, Direction and Distance from Phase One Property	Identified Operations or Activity	Potentially Contaminating Activity (PCA#)	PCA Contributing to Environmental Concern
PCA-1	Phase One Property	Fill materials were likely imported and placed for grading purpose when the property was developed for residential use (as per site visit/inspection).	#30: Importation of Fill Material of Unknown Quality	Yes.  Importation of fill material of unknown quality on Site would present potential environmental concerns to the Phase One Property, especially the soil.
PCA-2		Pesticides may have been in the past and currently be applied for farming purpose (as per historical map, aerial photographs, and site visit)	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Yes.  Bulk use of pesticides on Site would present potential environmental concerns to the Phase One Property, especially the soil.

Two (2) areas of potential environmental concern (APECs) were identified on the Phase One Property. A summary of the APECs and associated contaminants of potential concern (COPCs) is summarized in the following table.

<b>APEC</b>	<b>Location of APEC</b>	<b>Potentially Contaminating Activity (PCA#)</b>	<b>Location of PCA</b>	<b>Contaminants of Potential Concern</b>	<b>Media Potentially Impacted (Groundwater, soil and/or sediment)</b>
APEC-1	In the former building structure area on the Phase One Property	#30: Importation of Fill Material of Unknown Quality	On- Site (PCA-1)	Metals and inorganics	Soil
APEC-2	In the farming area on the Phase One Property	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site (PCA-2)	Organochlorine pesticides, Metals	Soil

According to O. Reg. 153/04, a Record of Site Condition (RSC) would not be required for the proposed residential development. However, if the development involves any land conveyance to the local municipality, filing of an RSC for the conveyed property may be required.

Based upon the review and evaluation of the information gathered from the Phase One ESA, an RSC cannot be filed relying upon a Phase One ESA alone. Prior to the preparation and submission of an RSC, a Phase Two ESA is required to investigate issues of potential environmental concern that have been identified on the Phase One Property and which may have resulted in adverse impact to the environmental condition of the Phase One Property.

## 2.0 INTRODUCTION

Sirati & Partners Consultants Ltd. (SIRATI) was retained by Palgrave Estate Homes (the Client) to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 17791 Mount Hope Road, in the Town of Caledon, Ontario (the Phase One Property or the Site).

It is SIRATI's understanding that the Client intends to redevelop the Property into a residential subdivision with residential buildings with one level of basement. The Phase One ESA was completed in support of the development application and was carried out in general accordance with O. Reg. 153/04 as amended.

According to O. Reg. 153/04 as amended, the Phase One ESA is to identify Potentially Contaminating Activities (PCAs) within the Site and on the neighboring properties wholly or partly located within a 250 radius from the Phase One Property boundaries (i.e., Phase One Study Area), and to identify Areas of Potential Environmental Concern (APECs) on the Phase One Property for further intrusive investigation in the form of Phase Two ESA.

At the time of SIRATI's site visit, conducted on July 19, 2018, the Phase One Property was vacant with no building structures, and was used for farming purposes (planting corn crops).

### 2.1 Phase One Property Information

The information for the Phase One Property is provided in the following table.

Phase One Property	Information	Source
Legal Description	Part Lot 28, Concession 8, Albion as in VS234449, Caledon	Service Ontario Land Registry Office #43 Legal Survey Plan (in Appendix A)
Property Identification Numbers (PINs)	14341-0040 (LT)	Service Ontario Land Registry Office #43
Municipal Address	17791 Mount Hope Road	Town of Caledon Interactive Maps
Zoning	A2-ORM (Rural- Oak Ridges Moraine)	Town of Caledon Zoning Map 55 (in Appendix E)

### 2.2 Contact Information

Contact information for the owner of the Phase One Property is provided as follows:

Property Owner	Source
Pietro Crupi	Land Registry Office
Giuseppe Triumbari	
Maria Teresa Triumbari	

## 2.3 Site Description

The Phase One Property is located on the east side of Mount Hope Road, in the Town of Caledon, Ontario. The approximate site location and property boundary are presented on Figures 1 and 2. A legal survey plan is provided in Appendix A.

The Phase One Property has a municipal address of 17791 Mount Hope Road and is a parallelogram shape of land that covers an area of approximately 41.21 hectares (approximately 101.83 acres).

The Phase One Property is bounded by Mount Hope Road to the southwest, by wooded undeveloped areas and residential properties to the northeast, northwest and southeast.

It is understood that the Phase One Property will be re-developed in a residential subdivision with residential buildings with one (1) level of basement.

## 2.4 Structures

The Phase One Property is currently used for farming purpose. No building structures are present on Site.

## 2.5 Objectives of Investigation

The objectives of the Phase One ESA are:

- To assess the environmental condition of the Phase One Property to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in, or under the Phase One Property.
- To identify potentially contaminating activities within the Study Area (i.e., areas within 250 m of the Property's boundary).
- To determine the need for a Phase Two ESA.
- To provide a basis for carrying out any Phase Two ESA.
- To identify issues of obvious or potential environmental concern of the Phase One Property from the current and historical activities at the Phase One Property and Study Area.

### **3.0 SCOPE OF INVESTIGATION**

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04, as amended (Phase One ESA requirements). This included:

- A review of records and reports regarding historical and current uses, occupancy, and activities for the Phase One Property and for the Phase One Study Area.
- Interviews with available individuals having knowledge of current and/or past site activities.
- An inspection of the Phase One Property and observation of the Phase One Study Area.
- Evaluation of the information and documentation of the results of the review.
- Preparation of the Phase One ESA report

The observations recorded during the site visit and the information obtained from the records review are discussed in this report. Sampling and analysis of soil, groundwater or other materials (e.g., construction materials, air) were not carried out as part of the Phase One ESA.

The following methodology was employed by SIRATI.

#### **3.1 Records Review**

Obtaining and reviewing the following records:

- Aerial photographs, topographic mapping, available historical maps and drawings.
- Former environmental reports, if any available.
- Company records (e.g., site plans, building plans, permit records, production and maintenance records, asbestos surveys, site utility drawings, emergency response and contingency plans, spill reporting plans and records, inventories of chemicals and their usage [e.g. WHMIS], environmental monitoring data, waste management records, inventory of underground and aboveground tanks, environmental audit reports) provided to SIRATI.
- Geological and hydrogeological information in published government maps and/or reports.
- A review of information on file with EcoLog ERIS, a commercial database that provides information from numerous private, provincial, and federal environmental databases/registries.
- Regulatory information, such as Permits or Certificates of Approval pertaining to activities that may impact the condition of the Phase One Property, orders, control orders, or complaints related to environmental compliance that may impact the condition of the Property, and violations of environmental statutes, regulations, by-laws, and permits that may impact the condition of the Property.
- A review of published Ontario Ministry of the Environment, Conservation and Parks (MECP) directories related to registered polychlorinated biphenyl (PCB) storage sites, and active and closed landfill sites.



- A review of the Ontario Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Information Centre (NHIC) database and the Nottawasaga Conservation Authority (NVCA) website for information specific to natural areas, such as locations of environmentally sensitive areas or species.

### 3.2 Site Reconnaissance

Conducting a site visit comprised of the following:

- Inspecting the Phase One Property and observing adjacent properties for any potential environmental activities conducted at the Phase One Property and on the properties within the Phase One Study Area.
- Identify potential pathways for contamination at the Phase One Property and Phase One Study Area.

The site reconnaissance included the following:

1. Identifying the site operations, processes, and waste management currently carried out on the Phase One Property.
2. Identifying neighboring land uses (i.e. sensitive neighbors, as well as potential off-site contamination, which may impact the Phase One Property).
3. Identifying the potable water supply source.
4. Assessment of the potential presence of existing or former aboveground and/or underground fuel storage tanks (ASTs and/or USTs).
5. Identifying probable cut and fill operations that may have required that fill of unknown quality has been deposited on the Phase One Property.
6. Identification of floor cracks, hydraulic hoists, elevators, sumps and drains (if any applicable).
7. Identifying visual and suspected areas of surface and subsurface contamination and assessment of the potential presence of various Designated Substances and building materials including:
  - a. Friable and non-friable asbestos
  - b. Urea formaldehyde foam insulation (UFFI)
  - c. Chlorofluorocarbons (CFCs) in air conditioning and refrigeration equipment
  - d. PCB-containing materials and electrical equipment
  - e. Lead-based paint
  - f. Mold
8. Identification of wells, pits and lagoons, drainage sumps and floor drains, sewage and wastewater disposal pipelines.
9. Inspection of general site conditions, including topography and drainage, standing water, rights-of-way, presence of underground utilities, evidence of stained or odorous soils and stressed vegetation, and vehicle parking.

### **3.3 Interviews**

The objectives of the interview are:

- To obtain information to assist in determining if an area of potential environmental concern exists.
- To identify details of potentially contaminating activities or potential contaminant pathways in, on, or under the Phase One Property.

Key personnel were interviewed, and asked questions related to specific site activities such as:

- The nature of site operations.
- Handling and storage of environmentally sensitive products and related wastes.
- Environmental approvals and registrations.
- Knowledge of previous reports related to the environmental condition of the Phase One Property.
- Issues related to non-compliance, orders, or charges related to environmental conditions on the Phase One Property.

The information acquired from this interview is presented in Section 5.0 of the report.

### **3.4 Documentation and Evaluation of Information**

The information obtained from the records review, interviews, and site reconnaissance, was described and evaluated as summarized below:

- Documentation of information, as noted in subsequent sections of the report
- Description of current and past uses of the Phase One Property
- Description and discussion of potentially contaminating activities
- Description of areas of potential environmental concern
- Development of a Phase One Conceptual Site Model
- Discussion of the need, if any, for further investigation

## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **4.1.1 Phase One Study Area Determination**

In accordance with O. Reg. 153/04, the Phase One Study Area generally includes the Phase One Property and all other properties wholly or partly located within a 250 m radius from the boundary of the Phase One Property.

Based on review of the available historical information and on observations made during the site visit, the Phase One Property is surrounded by vacant/undeveloped land and residential properties. SIRATI did not note any significant potentially contaminating activities in properties beyond 250 m from the Site. Therefore, it is SIRATI's opinion that a 250 m radius study area around the Phase One Property is sufficient to identify issues of potential environmental concerns with respect to the Phase One Property. The properties or areas which are included in the Phase One Study Area are shown in Figure 2.

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

The determination of the first developed use of the Phase One Property was made and based on review of historical maps, aerial photographs, fire insurance plan (FIP), and interview.

The 1880 historical map for Albion indicated that a house eventually associated to farming activity was present on the Phase One Property.

The 1951 aerial photograph showed that structures including a big barn were present on the south portion of the Phase One Property. The historical aerial photographs indicated that one (1) house, one (1) shed and one (1) barn were present on Site, and all the former building structures were demolished between 2009 and 2013. Since the demolition, the Site has been vacant and free of permanent structures.

Based on the above, the Phase One Property was first developed with building and/or house prior to 1880.

#### **4.1.3 Fire Insurance Plans**

A search of Fire Insurance Plans (FIPs) was undertaken at the Metropolitan Toronto Reference Library to review the historic land use and to indicate the existence and location of ASTs, USTs, structures, improvement and facility operations.

No Fire Insurance Plan was available for the Phase One Property and the properties located in the Phase One Study Area.

#### **4.1.4 Chain of Title**

A chain of title search was conducted for the Phase One Property. Records of the title search are included in Appendix B.

According to the reports, the Phase One Property was transferred in 1830 by the Crown to James Chewett, the first individual owner. Since then, the Property was owned by various individuals. The current owner of the Phase One Property includes three (3) individuals: Pietro Crupi, Giuseppe Triumbari and Maria Teresa Triumbari.

#### **4.1.5 Environmental Reports**

According to the site representative, no previous environmental report was available for the Phase One Property.

#### **4.1.6 Review of Other Historical Information**

City directories were reviewed at the Toronto Reference Library for the Phase One Property to determine the previous occupancy of the Phase One Property and the properties located within the Phase One Study Area to evaluate whether past land uses were likely to have had a potential environmental impact on the Phase One Property. However, no information was found for the Phase One Property or other searched properties.

In addition to the city directories, the 1880 Town of Albion map was reviewed through County Atlas Digital Project website which is maintained by McGill University. Based on the historical map (as included in Appendix G), the Phase One Property was found to be west part of Lot 28 Concession 8 and owned by Edward Gibson. In addition, a building or house likely associated to farming activities was noted on the Property.

### **4.2 Environmental Source Information**

#### **4.2.1 Ontario Ministry of the Environment, Conservation and Parks**

A request was submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information (FOI) Office to determine if there is information regarding orders, investigations, or other information on file with respect to the Phase One Property (Appendix D). This includes a search for information regarding parameters such as air emissions, water, sewage, waste-water and pesticides.

The FOI response dated August 28, 2018 indicates that no record was located responsive to the searched Phase One Property.

## **4.2.2 MECP Databases**

MECP databases containing records of historic spills, orders and complaints were also searched through EcoLog ERIS. A summary of the search results is presented in Section 4.2.6.

A review of directories and online databases published by the MECP was conducted. These are related to registered PCB storage sites, waste disposal sites and the Brownfield Registry. The following summarizes the information obtained.

### ***MECP's Waste Disposal Site Inventory***

The Waste Disposal Site Inventory-Ontario-1991 indicated that the Phase One Property is not listed as a former waste disposal facility. It should be noted that MECP's Waste Disposal Site Inventory provides listings only up to 1991. More current information regarding the Waste Disposal Inventory is reported in the ERIS report (Section 4.2.6).

### ***PCB Storage Site Inventory***

The Ontario Inventory of PCB Storage Sites (1994, 1995, 1996, 1998, 1999 and 2004) did not list the Phase One Property as a PCB storage property. According to the MECP, the Phase One Property was not listed as a PCB storage site.

### ***Coal Gasification Plant Waste Site Inventory***

The consultation of 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) databases indicates that the Phase One Property had not been used for the gasification of coal, coal distillation, creosote preparation, etc. There is no record of historical coal gasification plants or disposal sites for the Phase One Property and the properties within the Phase One Study Area.

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

The MECP Brownfields Environmental Site Registry (BESR) indicates no record of the Phase One Property within the registry.

## **4.2.3 Ministry of Natural Resources and Forestry (MNRF) Database**

The Ontario Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Information Centre (NHIC) database for listings of the various classes of natural areas for the Town of Caledon was reviewed. No wetlands, ANSI areas, provincial parks or conservation areas are located on the Phase One Property and Study Area. However, wooded area identified as woodland is located north of the Phase One Property. In addition, a tributary/creek is traversing the Phase One Property from northwest to southeast. The MNRF map is presented in Appendix E.

#### 4.2.4 Nottawasaga Valley Conservation Authority (NVCA)

The Phase One Property and majority of the Phase One Study Area are located within the Nottawasaga River Watershed, which is under the jurisdiction of Nottawasaga Valley Conservation Authority (NVCA).

According to the NVCA online map services, a tributary which traverses from northwest to southeast is present at the Site. Portions of the Phase One Property, which are located along the tributary, are NVCA regulated area. In addition, the Phase One Property is located within the wellhead protection area. The snapshot figures are included in Appendix E.

#### 4.2.5 Request for Information: Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) maintains records related to storage tanks for petroleum related products. The TSSA records for retail sites date back to approximately 1987.

Request for search for presence of storage tanks was provided to TSSA for the properties with old houses located at 17791, 17603, 17639, 17590 and 17554 Mount Hope Road, Caledon.

According to the responses from TSSA, no records for fuel storage tanks were reported for the searched properties (Appendix D).

#### 4.2.6 EcoLog ERIS Information

EcoLog Environmental Risk Information Services Ltd. (ERIS) is an organization that searches various government and private environmental databases. A search of the EcoLog ERIS Ltd. databases was requested for the Phase One Property and Phase One Study Area. The complete report is provided in Appendix C.

Based on review of available Ecolog ERIS report, a total of eighteen (18) entries were found at eighteen (18) locations, which include the following:

- One (1) for Borehole
- One (1) for Scott's Manufacturing Directory
- Sixteen (16) for Water Well Information System

ERIS Number	Address/Location	Distance from Phase One Property	Database	Entry Details
1	Phase One Property	On site	Water Well Information System (WWIS)	One (1) record related to abandoned water well.

ERIS Number	Address/Location	Distance from Phase One Property	Database	Entry Details
2-11, 13-15	Phase One Study Area	Within 250 m radius of the Phase One Property	Water Well Information System (WWIS)	A total of fifteen (15) water wells were identified within the Study Area. The wells were identified as a water supply (domestic), municipal, and abandoned wells. The wells were constructed between 1965 to 2015. Water was found at 9 mbgs.
7	Phase One Study Area	Approximately 78 m	ERIS borehole database, dated 1875-Jul 2014	A borehole was identified within the Study Area. the depth of the borehole is 1.5 m with unknown status.
12	76 McGuire Trail	Approximately 135 m east-northeast of the Phase One Property	Scott's Manufacturing Summery	C B Mould Services Inc. is listed as an industrial mould manufacturing, measuring medical and controlling devices manufacturing, machine shops, metal tank and all other general-purpose machinery manufacturing.

Based on the features of the entries or the locations, no environmental concern would be considered to be related to the found entries.

### 4.3 Physical Setting Sources

#### 4.3.1 Aerial Photographs

Aerial photographs were reviewed for a visual chronology of previous land uses on the Phase One Property and the properties within the Phase One Study Area to assess the development and use of the Phase One Property and the Phase One Study Area. The aerial photographs for the years 1951, 1964, 1976, 1995, 2005, 2006, 2013, 2015, 2016 and 2017 obtained from various resources were reviewed, and selected aerial photographs are presented in Appendix F.

The findings based on review of the historical aerial photographs are summarized in the following table:

Year of Aerial Photograph	Phase One Property	Phase One Study Area
1951 Aerial Photograph	<p>The Site was used for agriculture purpose. Building structures were observed (likely as in a residential area) in the south portion of the Phase One Property. A roadway was noted extending from Mount Hope Road to the house area.</p> <p>Wooded lands were located in the north portion of the Site.</p>	<p>Mount Hope road was noted southwest side of the Phase One Property.</p> <p>The properties in the Phase One Study Area were either wooded lands or used for agricultural purposes, with isolated rural houses noted.</p>

Year of Aerial Photograph	Phase One Property	Phase One Study Area
1964 Aerial Photograph	A roadway/dirt road was noted to be connected to the southeast neighboring property.  No other significant changes	More houses were added on the southwest side of Mount Hope Road.
1976 Aerial Photograph	The roadway connected to the southeast neighboring property was not used.  No significant changes	No significant changes
1995 Aerial Photograph	Coloured image was available. A big barn was noted. Other buildings may be hidden due to the grown trees.  No significant changes	Residential houses with new municipal roadways were noted in the east of the Phase One Study Area, where McGuire Trail, Barbara Place and Rowley Drive were constructed.
2005 Google Earth Image	One barn was located on the southeast side of the on-site roadway, and one house and one big shed were located on the northwest side of the on-site roadway.	No significant changes
2006 Aerial Photograph	One barn could be seen, while the other two building structures could not be seen likely hidden due to the grown trees.	No significant changes
2013 Google Earth Image	The barn was noted to be demolished. The other two structures could not be seen due to grown trees.	Residential developments were noted along a new roadway identified as Buckstown Trail connecting Rowley Drive to the west side of Mount Hope Road.  In addition, another new roadway identified as Doctor Reynar Road was noted west of the Site.
2015 Google Earth Image	The barn and house were noted to be demolished. The dirt road was noted to extend to the northeast.	Residential developments were noted along Doctor Reynar Road.
2016 Aerial Photograph	No significant changes	No significant changes
2017 Google Earth Image	No significant changes	No significant changes

### 4.3.2 Topography, Hydrology, Geology

Based on the obtained topographic information, the ground surface elevations at the Site range from approximately 310 metres above sea level (mASL) to 290 mASL.

The shallow groundwater flow is influenced by the topography profile or the location of the creek, and as such it is expected to be in a southeasterly direction following the unnamed creek. However, the groundwater flow direction should be confirmed by observing the groundwater elevations in the monitoring wells installed at the Site.

According to the physiography map entitled “Physiography of Southern Ontario” OGS Map 2715, dated 1984, published by Ministry of Natural Resources, the Site is located within Kame Moraines area.



According to the quaternary map entitled “Quaternary Geology of Ontario-Southern Sheet” Map 2556, dated 1991, published by the Ministry of Northern Development and Mines, the overburden in the region of the Phase One Property consists of glaciofluvial ice-contact deposits: gravel and sand minor till, including esker, kame, end moraine, ice-marginal delta and subaqueous fan deposits.

According to the bedrock geology map entitled “Bedrock Geology of Ontario-Southern Sheet” Map 2544, dated 1991, published by the Ministry of Northern Development and Mines, the bedrock in the site area consists of Upper Ordovician facies. Beneath the overburden it lays the bedrock of the Georgian Bay Formation; Blue Mountain Formation which consists of shale, limestone, dolostone and siltstone.

It should be noted that the subsurface soil, rock and groundwater conditions described above represent generalized conditions only and should not be considered site specific.

### **4.3.3 Fill Materials**

No information was available on the fill materials used on the Phase One Property.

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

To assess the presence of water bodies and areas of natural significance, databases of Ministry of Natural Resources and Forestry’s Natural Heritage Map and NVCA maps were reviewed. The following were found.

- No wetlands, ANSI areas, provincial parks or conservation areas are located on the Phase One Property and Study Area. However, a wooded area identified as woodland is located north of the Phase One Property.
- A tributary/creek is traversing the Phase One Property from northwest to southeast, which flows to Beeton Creek, Bailey Creek, Innisfil Creek, and then Nottawasaga River which drains into Nottawasaga Bay (in Georgian Bay), located approximately 50 km north of the Site. No other water bodies such as lakes, ponds or lagoons are located at the Phase One Property.
- The Phase One Property is located within the Oak Ridges Moraine area, however, in the designated Palgrave Estates Residential Community area.
- The Phase One Property is not located within the Niagara Escarpment area.

Although the Site has a portion of the land occupied by woodlands, which may have natural significance, the area where residential development is proposed may not be considered to be an environmentally sensitive area considering that the Site is located in the designated residential community area.

### 4.3.5 Wellhead Protection Area

A wellhead protection area is the area around a drinking water well where land use activities have the potential to affect the quality and quantity of water that flows into the well.

Based on the information obtained from NVCA, the Phase One Property is located within the wellhead protection area in the fastest 2~5 year groundwater travel time area, with the maximum well head vulnerability score of 6. A small portion, along the southwest property boundary is located in the highly vulnerable aquifer area, and the entire property is located in the significant groundwater recharge area.

The snapshot figures are included in Appendix E.

### 4.3.6 Well Records

Water well records were searched as part of the EcoLog ERIS database query. According to ERIS report, a total of sixteen (16) water wells were identified in the Phase One Property and Phase One Study Area. One of the records was for an abandoned water well listed on the Phase One Property, and one (1) record for livestock and domestic water supply well was reported on a property located within 100 m from the Site.

## 4.4 Site Operating Records

The Phase One Property has been owned and used by individual owners for agriculture purposes with rural residential house. No industrial activities were anticipated to have occurred on site. Therefore, site operation records were not expected to be available for review.

## 5.0 INTERVIEWS

### 5.1 Personnel Interviewed

The followings persons were interviewed, who provided information about the Phase One Property.

Name	Affiliation	Position
Mr. Vincenzo Triumbari	Owner's son	President
Ms. Connie	TSSA	Public Information Clerk

### 5.2 Results of Interview

The following summarizes the information that was provided in response to the questionnaire, based on the knowledge that the persons interviewed have of the site activities.

- The Phase One Property is used for farming purposes (corn field).
- The owner was not aware of any spills on the Phase One Property.
- The Phase One Property is located in the Caledon Town (Albion). Municipal water is provided for the properties located within the Study Area.
- According to the TSSA search, no fuel storage tanks were recorded for the searched properties at 17791, 17603, 17639, 17590 and 17554 Mount Hope Road, Caledon.
- The evaluation of information regarding the interviews is summarized below:

<b>Interview Conducted By</b>	Ms. Nazanin Sajdeh, P. Geo.
<b>Interviewed</b>	Vincenzo Triumbari, Owner
<b>Date/location</b>	July 19, 2018/ During the Phase One ESA preparation, personal interview
<b>Reason for Selection</b>	Owner / knowledgeable or familiar with the property history
<b>Assessment of information</b>	The information appeared to be accurate

## 6.0 SITE RECONNAISSANCE

### 6.1 General Requirements

Date of Site Reconnaissance:	July 19, 2018
Time of Site Reconnaissance:	8:30 am -9:30 am
Weather Conditions:	Sunny, 26 °C
Duration of Site Reconnaissance:	~1 hour
Was the facility operating?	No
Name and Qualification of Person(s) conducting the site reconnaissance	Ms. Nazanin Sajdeh, P.Geo.
Limitations	The property is an active farmland. The ground surface of the Phase One Property was mainly covered with corn and vegetation at the time of the site reconnaissance. The site visit was completed along and near the dirt road on the Phase One Property.

### 6.2 Specific Observations at Phase One Property

A visual site inspection was conducted and written and photographic records were made. The layout of the Phase One Property at the time of the site visit is presented on Figure 2. Photographs taken during the site reconnaissance and accompanying descriptions are presented in Appendix H.

#### 6.2.1 General Description

The Phase One Property is located at 17791 Mount Hope Road, in a rural residential and agricultural area of the Town of Caledon, Ontario. The Phase One Property is located on the east side of Mount Hope Road and covers an area of approximately 41.21 hectares (approximately 101.83 acres).

The Phase One Property is generally flat with minor undulation in elevation. A tributary/creek is present on Site, traverses the Phase One Property from northwest to southeast, and flows to Beeton Creek, Bailey Creek, Innisfil Creek, and then Nottawasaga River, which eventually drains into Nottawasaga Bay (in Georgian Bay).

The Phase One Property was first developed with buildings in 1880s and has been used for residential and agricultural purpose. The building structures were demolished between 2009 and 2013. It is understood that the Phase One Property will be re-developed in a residential subdivision with residential buildings with one (1) level of basement.

#### 6.2.2 Building Description

No existing building structures were observed at the Site. However, building foundation and former wooden structures or debris were noted in the former building area located in the south portion of the Site.

### **6.2.3 Aboveground Storage Tanks**

During the site reconnaissance, no aboveground storage tanks were observed at the Phase One Property.

### **6.2.4 Underground Storage Tanks**

During the site inspection, no underground storage tanks were observed at the Phase One Property.

### **6.2.5 Other Storage Containers**

During the site visit, no storage containers were observed at the Phase One Property.

### **6.2.6 Water Sources**

The Phase One Property is located within the agricultural and residential area of the Town of Caledon. Based on the site visit, hydrants were observed along Mount Hope Road. It is anticipated that municipal water should be available for the Phase One Property.

It should be noted that one (1) water well was reported to be abandoned in 2009.

### **6.2.7 Underground Utilities and Services**

The inspection of the Phase One Property indicated the following information related to utility services:

- Overhead hydro lines were observed along Mount Hope Road. In addition, hydro poles were noted along the dirt road connected to Mount Hope Road.
- Phone and cable boxes were noted near the entrance of the Phase One Property.
- Fire hydrants were observed along Mount Hope Road.

As the Phase One Property was demolished with building structures, the utilities may have been disconnected.

### **6.2.8 Building Exit and Entry Points**

The former building structures were demolished. No buildings were observed during the site visit.

### **6.2.9 Heating and Cooling Systems**

The former building structures were demolished. Heating and cooling systems were not expected or observed during the site visit.

### **6.2.10 Drains, Pits and Sumps**

No buildings were present on the Phase One Property. Drains, pits and pits which are related to the buildings were not expected or observed during the site visit.

### **6.2.11 Hydraulic Equipment**

During the site visit, no hydraulic equipment was observed at the Phase One Property.

### **6.2.12 Unidentified Substances**

During the site visit, no unidentified substances was observed at the Phase One Property.

### **6.2.13 Staining and Corrosion**

During the site visit, no staining or corrosion was noted on the observed areas.

### **6.2.14 Wells**

During the site visit, no water well was observed at the Phase One Property. Based on MECP water well record, one (1) water well was abandoned at the Site on January 20, 2009.

### **6.2.15 Sewage Works**

No sewage works was observed during the site visit.

### **6.2.16 Ground Surface**

The ground surface at the Phase One Property was noted to be relatively flat, locally undulating, and generally sloping to a southeast direction.

### **6.2.17 Railways**

During the site inspection, no railway lines were observed on the Phase One Property.

### **6.2.18 Stained and Odorous Soils**

No stained or odorous soil was noted on the Phase One Property.

### **6.2.19 Stressed Vegetation**

During the site visit, the Phase One Property was observed to be used for farming purposes (planting corn). Besides the wooded area, the Site was also covered with natural vegetation. No stressed vegetation was observed in the accessed area during the site visit.

### **6.2.20 Fill Materials**

During the site visit, no fill materials were observed at the Phase One Property. However, concrete slabs and construction debris and wooden debris of previous structures were observed in the former building structure area. Fill materials may be present in this area.

### **6.2.21 Watercourses, Ditches or Standing Water**

Based on data review, a tributary/creek is present at the Site. However, during the site visit, no water or watercourse was observed near the approximate location of the tributary/creek.

No ditches or standing water were observed on the Phase One Property.

### **6.2.22 Air Emissions**

The former building structures were demolished. Air emission was not expected and was not observed during the site visit.

### **6.2.23 Roads, Parking Facilities, and Rights-of-Way**

A dirt road was observed in the southeast portion of the Site, which connects Mount Hope Road to the former building structure area and extends further northeast.

No parking facilities were observed during the site reconnaissance.

The Phase One Property is bounded by Mount Hope Road to the southwest, where the access is located. Based on the legal survey plan, no right-of-way comprises the Phase One Property. However, it is unknown if any land conveyance would be required when re-development takes place.

### **6.2.24 Special Attention Items**

In conducting the Phase One ESA, additional observations are usually conducted to indicate the potential environmental concerns associated with the designated substances present in the building materials in the site buildings. As no current building structures were present on Site, these observations were not conducted.

### 6.2.25 Findings of Site Visit on Phase One Property

Based on the site visit, it was found that the Site was used as a farmland for planting corn crops. No current building structures were present on Site. However, building foundation, concrete slabs, wooden and/or construction debris were noted in the former building structure area.

No indications for fuel storage tanks were observed at the Site. However, fill materials may be present in the former building structure area.

The unnamed tributary was found to be dry, indicating the nature of such tributary as an ephemeral creek.

### 6.3 Enhanced Investigation Property

Based on the activities noted on the Phase One Property, the Phase One Property is not considered to be an Enhanced Investigation Property, in accordance with Section 32.1(b) of Regulation 153/04 (as amended).

### 6.4 Investigation of Phase One Study Area

A visual inspection of the adjacent properties and properties within 250 m from the Phase One Property boundary was conducted from publicly accessible areas to identify any source of potential environmental concern that may impact the Phase One Property. The following land uses were noted in the adjoining and neighboring properties.

Direction	Addresses/Area
Northeast	- Wooded area/undeveloped land - Residential properties
Northwest	-Wooded area - Residential properties
Southeast	-Wooded area/ undeveloped land -Residential properties
Southwest	-Mount Hope Road -Residential properties

Based on the site visit, the Phase One Study Area was observed to consist of vacant lands and residential properties. No environmental concern was observed on the properties within the Phase One Study Area.

### 6.5 Written Description of Investigation

The site reconnaissance was conducted on July 19, 2018, which included a walking tour of the Phase One Property and the publicly accessible areas in the Phase One Study Area. Written and photographic records regarding the condition of the Property were compiled.



During the site reconnaissance, the Phase One Property was observed to be used for agricultural purposes for planting corn crops. The Phase One Study Area was observed to consist of vacant/undeveloped lands and residential properties.

No environmental concerns were observed on the properties located within the Phase One Study Area. However, environmental concerns on the Phase One Property may be related to the use of pesticides for the farming activities, and the fill materials which may have been brought onto the former building structure area during the first development use of the Phase One Property.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Current and Past Uses

The current and past uses of the Phase One Property were determined based on the historical maps, aerial photographs, and chain of title documents. The Phase One Property had been used for residential and agricultural purposes since its development in 1880s. The building structures on the Phase One Property were demolished between 2009 and 2013. The residential subdivision development has been proposed on the Phase One Property.

A summary of the current and past uses of the Phase One Property is presented in the Appendix I

### 7.2 Potentially Contaminating Activities (PCAs)

Based on the information obtained, no PCAs were identified on the properties located in the Phase One Study Area. However, PCAs were identified on the Phase One Property, which are summarized in the following table and shown on Figure 4.

PCA Number	Location, Direction and Distance from Phase One Property	Identified Operations or Activity	Potentially Contaminating Activity (PCA#)	PCA Contributing to Environmental Concern
PCA-1	Phase One Property	Fill materials were likely imported and placed for grading purpose when the property was developed for residential use (as per site visit/inspection).	#30: Importation of Fill Material of Unknown Quality	Yes. Importation of fill material of unknown quality on Site would present potential environmental concerns to the Phase One Property, especially the soil.
PCA-2		Pesticides may have been in the past and currently be applied for farming purpose (as per historical map, aerial photographs, and site visit)	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Yes. Bulk use of pesticides on Site would present potential environmental concerns to the Phase One Property, especially the soil.

### 7.3 Areas of Potential Environmental Concern (APECs)

Based on the above analyses of the identified PCAs, two (2) areas of potential environmental concern could be identified on the Phase One Property. A summary of the APECs and associated contaminants of potential concern (COPCs) are summarized in the following table and shown on Figure 5.

APEC	Location of APEC	Potentially Contaminating Activity	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC-1	In the former building structure area on the Phase One Property	#30: Importation of Fill Material of Unknown Quality	On- Site (PCA-1)	Metals and inorganics	Soil
APEC-2	In the farming area on the Phase One Property	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site (PCA-2)	Organochlorine pesticides, Metals	Soil

### 7.4 Phase One Conceptual Site Model (CSM)

Based on the completed Phase One ESA, a Phase One CSM has been prepared to present the current geo-environmental conditions for the Phase One Property, which is presented on Figures 1 to 5.

The Phase One Property is located at 17791 Mount Hope Road, in a rural residential and agricultural area of the Town of Caledon, Ontario. The Phase One Property is located on the east side of Mount Hope Road and covers an area of approximately 41.21 hectares (approximately 101.83 acres).

The Phase One Property is generally flat with minor undulation in elevation. An ephemeral tributary is present on Site, traverses the Phase One Property from northwest to southeast, and flows to Beeton Creek, Bailey Creek, Innisfil Creek, and then Nottawasaga River, which eventually drains into Nottawasaga Bay (in Georgian Bay).

The Phase One Property was first developed with buildings in 1880s and has been used for residential and agricultural purpose since then. The building structures were demolished between 2009 and 2013. It is understood that the Phase One Property will be re-developed in a residential subdivision with residential buildings with one (1) level of basement.

Two (2) PCAs and Two (2) APECs were identified on the Phase One Property.

## **8.0 CONCLUSIONS**

### **8.1 Record of Site Condition Based on Phase One ESA Alone**

According to O. Reg. 153/04, an RSC would not be required for the proposed residential development. However, if the development involves that land conveyance to the local municipality is due, an RSC for the conveyed property may be required.

Based upon the review and evaluation of the information gathered from the Phase One ESA, areas of potential environmental concern were identified on the Phase One Property, which were associated with the potentially contaminating activities identified on the Phase One Property. Therefore, an intrusive investigation in the form of Phase Two ESA shall be conducted to confirm the absence or presence of the actual contamination.

As a result, a Record of Site Condition cannot be filed based upon a Phase One ESA alone.

### **8.2 Phase Two ESA Required Before Record of Site Condition**

As discussed above, in support of filing an RSC, a Phase Two Environmental Site Assessment will be required to investigate the areas of potential environmental concern identified in the Phase One Property, which may have resulted in adverse impact to the environmental condition of the Phase One Property.

## 9.0 REFERENCES

- Ontario Ministry of Environment and Climate Change (MOECC), Soil, Groundwater and Sediment Standards for Use Under Part XC.1 of the Environmental Protection Act., April 15, 2011
- Natural Resources Canada Toporama for Google Earth (2011)  
<http://glib.com/natural-resources-canada-toporama.htm>
- Ministry of Natural Resources and Forestry, 1984, Ontario Geological Survey Map 2715, Physiography of Southern Ontario, Scale 1: 600,000
- Ministry of Northern Development and Mines, 1991, Map 2556, Quaternary Geology of Ontario-Southern Sheet, scale 1: 1,000,000.
- Ontario Ministry of Northern Development and Ontario Geological Survey, 1991. Bedrock Geology of Ontario, Southern Sheet; Ontario Geological Survey, Map 2544, scale 1: 1,000,000.
- Nottawasaga Valley Conservation Authority (NVCA), online mapping
- Historical Maps (aerial photos and a 1982 Ontario Base Map)
- Ministry of the Environment, Conservation and Parks-Freedom of Information
- City Directories (Criss-Cross) from 1980 back to 2001
- Inventory of Coal Gasification Plant Waste Sites in Ontario, 1987
- Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, 1998
- Ontario Inventory of PCB Storage Sites, 1994-2004
- Waste Disposal Site Inventory, 1991
- Environmental Risk Information Services (EcoLog ERIS Report)
- Ministry of Natural Resources and Forestry, Make A Map: Natural Heritage Areas  
[http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR\\_NHLUPS\\_NaturalHeritage&viewer=NaturalHeritage&locale=en-US](http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US)
- [Google Earth Pro](#)

## 10.0 LIMITATIONS AND USE OF THE REPORT

This report was prepared for the exclusive use of Palgrave Estate Homes (the Client) and is intended to provide an assessment of the environmental condition on the property identified as 17791 Mount Hope Road, in the Town of Caledon, Ontario, and may not be relied upon by any other person or entity without the written authorization of Sirati & Partners Consultants Limited (SIRATI).

The conclusions presented in this report are professional opinions based on the historical and current records search, visual observations and limited information provided by persons knowledgeable about past and current activities on this site. As such, SIRATI cannot be held responsible for environmental conditions at the property that was not apparent from the available information. No investigation method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level.

Professional judgement was exercised in gathering and analyzing data and formulation of recommendations using current industry guidelines and standards. Similar to all professional persons rendering advice, SIRATI cannot act as absolute insurer of the conclusion we have reached. No additional warranty or representation, expressed or implied, is included or intended in this report other than stated herein the report.

The assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. The information presented herein this report is primarily based on information collected during the Phase One ESA based on the condition of the Phase One Property at the time of the site assessment/inspection followed by a review of historical data, as appended to this report.

In assessing the environmental setting of the Phase One Property, SIRATI has solely relied upon information supplied by others in good faith and has therefore assumed that the information supplied is factual and accurate. We accept no responsibility for any inaccurate information, misinterpretation, misrepresentation or for any deficiency of the information supplied by any third party.

No intrusive investigation (to include soil sampling and analysis, groundwater monitoring or sampling or other form of intrusive investigation) was carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. Potential existence of any environmental liability/impact is primarily an opinion expressed based on professional judgement and within the Scope of Work of this assignment. The Phase One Environmental Site Assessment was prepared to identify existing environmental concerns based on the review of available data in accordance with the principal components of O. Reg. 153/04 as amended, and/or CSA Z768-01 Phase I Environmental Site Assessment. Professional judgement was also exercised in the formulation of recommendations. The report is not intended to constitute or provide a legal opinion.

The scope of services performed in the execution of this investigation may not be appropriate to satisfy third parties. SIRATI accepts no responsibility for damages if any, suffered by any third party as a result of decisions made or action taken based on this report. Any use, copying or distribution of the report in whole

or in part is not permitted without the express written permission of SIRATI and use of findings, conclusions and recommendations represented in this report, is at the sole risk of third parties.

In the event that during future work new information regarding the environmental condition of the Phase One Property is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Phase One Property, SIRATI should be notified in order that we may re-evaluate the findings of this assessment and provide amendments, as required.

Should you have any questions regarding the information presented or limitation set in this report, please do not hesitate to contact our office.

Yours truly,

**Sirati and Partners Consultants Limited**



for **Nizar Zyoud, P.Eng.**  
Project Manager



**Dr. Giorgio Garofalo, P. Geo., QP<sub>ESA</sub>**  
Manager, Environmental Department

## 11.0 QUALIFICATIONS OF THE ASSESSOR

**Dr. Giorgio Garofalo, P. Geo., QP<sub>ESA</sub>** Dr. Garofalo is the Environmental Division Manager at Sirati & Partners Ltd. He has a Doctorate in Hydrogeology and Applied Geochemistry from the University of Rome “La Sapienza” (Italy) and is licensed to practice in Ontario (APGO License No. 1063). Giorgio has 22 years of experience in environmental site assessment (ESA) and remediation. He is a P.Geo. and a Qualified Person (QP<sub>ESA</sub>) under the O. Reg. 153/04 as amended, and he has been involved in the technical review of countless ESA reports.

**Nizar Zyoud, Ph. D., P. Eng.** Mr. Zyoud holds a degree in environmental engineering and is licensed to practice in Ontario (PEO License No. 100223851). Mr. Zyoud has experience in conducting Phase One and Phase Two Environmental Site Assessments, Site Remediations and Hydrogeological Studies.

**Sirati & Partners Consultants Ltd.** is a multi-disciplinary Canadian owned consulting firm providing engineering solutions for Geotechnical, Environmental, Hydrogeological, Materials Engineering, Material Testing & Inspection, Concrete and Pavement Technology.

The principal founders are members of former geotechnical and environmental companies who achieved the highest recognition for engineering consultancy providing geotechnical, environmental and hydro geological support to our clients.

SIRATI provides expertise in these disciplines to a wide range of projects such as planning, design, and construction of pipelines, tunnels, pump stations, municipal buildings, roads, bridges, slope and landslide management, low and high rise as well as commercial buildings, light rail systems, dams and reservoirs, water and wastewater treatment facilities, outfalls, retaining walls, embankments, airports, and port facilities.

### **Statement of Qualified Person**

The Phase One Environmental Site Assessment has been completed under the direction and supervision of Dr. Giorgio Garofalo, P.Geo., QP<sub>ESA</sub>. The findings and conclusions presented in this report have been determined on the basis of the information that was obtained and reviewed, and on an assessment of the existing conditions on the Phase One Property and properties within the Phase One Study Area.

# FIGURES





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360



**Legend:**  
— Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Site Location Plan

**Scale:**  
0m 100m 200m

**Project Number:**  
SP18-334-20

**Date:**  
June 2019

**Figure Number:**  
1



North:



**Legend:**

- Property Boundary
- 250m Study Area

**Project Title:**

Phase One Environmental Site Assessment

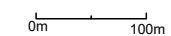
**Site Location:**

17791 Mount Hope Road, Caledon, ON

**Figure Title:**

Phase One Study Area

Scale:



Project Number:

SP18-334-20

Date:

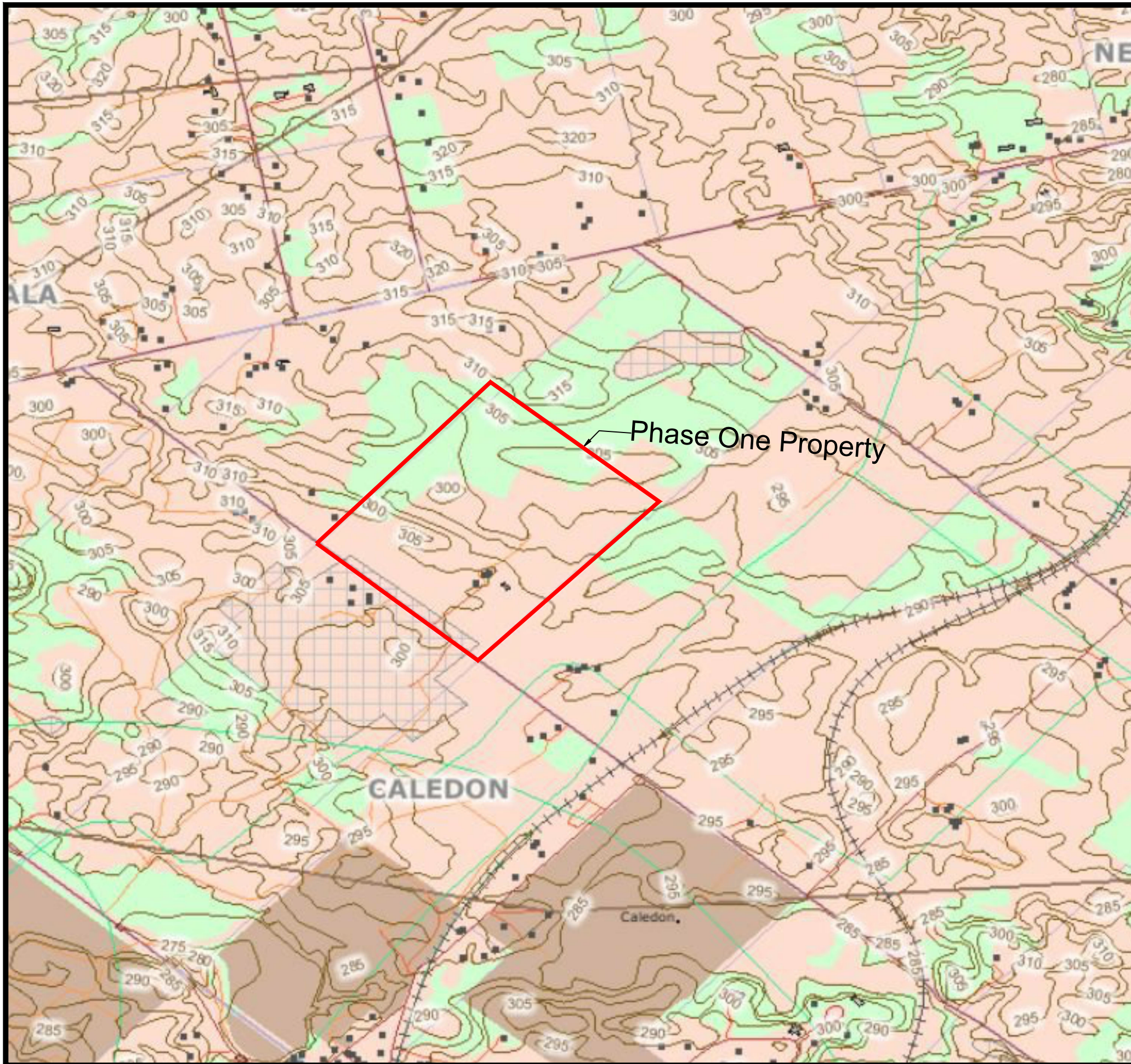
June 2019

Figure Number:

2







- ### Legend
- Contour Line Labels
  - ArcCanada Named Places
  - Lower Tier Municipality Names
  - Building Points
  - Contour Lines
  - Railroads
  - Trails
  - Roads
    - Primary
    - Secondary
    - Tertiary
  - Transportation Lines
  - Utility Lines
  - Airport Runways
  - Building Footprints
  - Pits and Quarries
  - Conservation Authority Areas
  - Concessions
  - Lots
  - Municipal Parks
  - Conservation Areas
  - National Parks
  - National Wildlife Areas
  - Provincial Parks
  - Wooded Areas
  - Land Ownership



- Legend:**
- - - - - Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**

**Figure Title:**  
Ontario Basic Map - 1982 (OBM)

**Scale:**  
0m 50m 100m

**Project Number:**  
SP18-334-20

**Date:**  
June 2019

**Figure Number:**  
3



North:



**Legend:**

- Property Boundary
- - - 250m Study Area
- Inferred Shallow Groundwater Flow Direction

PCA on Phase Two Property:

- ① #30. Importation of Fill Material of Unknown Quality
- ② #40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications

**Project Title:**

Phase One Environmental Site Assessment

**Site Location:**

17791 Mount Hope Road, Caledon, ON

**Figure Title:**

Potentially Contaminating Activities (PCAs)

**Scale:**

0m — 100m

**Project Number:**

SP18-334-20

**Date:**

June 2019

**Figure Number:**

4





North:



**Legend:**

- Property Boundary
- - - 250m Study Area
- Inferred Shallow Groundwater Flow Direction

- APEC - 1 #30. Importation of Fill Material of Unknown Quality
- APEC - 2 #40. Pesticides (including Herbicides Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications

APEC	
APEC-1	
APEC-2	

**Project Title:**

Phase One Environmental Site Assessment

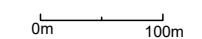
**Site Location:**

17791 Mount Hope Road, Caledon, ON

**Figure Title:**

Area of Potential Environmental Concerns (APECs)

Scale:



Project Number:

SP18-334-20

Date:

June 2019

Figure Number:

5



# APPENDICES



# APPENDIX A



Sirati & Partners Consultants Ltd.  
Geotechnical & Environmental Services  
Engineering Solutions

**PLAN 43R-**  
RECEIVED AND DEPOSITED

DATE: MAY 2, 2018

DATE: \_\_\_\_\_

REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF PEEL (No. 43)

*Lawrence J. Kuzling*  
LAWRENCE J. KUZLING  
ONTARIO LAND SURVEYOR

PART	LOT	CONCESSION	PN	AREA sq. m.	REMARKS
1	1	8	14341-0040	412104.24	

SCHEDULE

ALL

14341-0040

412104.24

PLAN OF SURVEY OF  
**PART OF LOT 28  
CONCESSION 8**  
GEOGRAPHIC TOWNSHIP OF ALBION  
NOW IN THE  
**TOWN OF CALEDON**  
REGIONAL MUNICIPALITY OF PEEL

SCALE 1: 1500

**GUIDO PAPA SURVEYING**  
A DIVISION OF J.D. BARNES LIMITED

**NOTES**

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, (2016.0). THE NETWORK (NTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS)

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999667.

**FOR BEARING COMPARISONS ASTROMETRIC BEARINGS WERE ROTATED ON PLANS AS FOLLOWS**

PLAN	ROTATION
43M-1265	1°41'20" CCW
43M-1576, 43R-19488	1°49'20" CCW
PLAN OF SURVEY BY C. VESICION DATED SEPTEMBER 2, 1987 (JOB NO. 87-5228-3)	1°41'29" CCW
SKETCH SHOWING LOTS 28 & 30 CONCESSION 8, TOWN SHIP OF ALBION AND SIBR OF PART OF LOT 29, REG. PLAN NO. 66-27 DATED DEC. 14, 1986	0°44'20" CCW

**INTEGRATION DATA**

OBSERVED REFERENCE POINTS (ORPS): UTM ZONE 17, NAD83 (CSRS) (2010.0).  
COORDINATES TO URBAN ACCURACY PER SECTION 14 (2) OF REG. 216/10.

POINT ID	EASTING	NORTHING
ORP (A)	593 270.38	4 869 055.19
ORP (B)	593 679.93	4 869 590.26
ORP (C)	594 125.17	4 869 165.28

**LEGEND**

■ DENOTES SURVEY MONUMENT FOUND  
□ DENOTES STANDARD IRON BAR  
○ DENOTES IRON ROD  
○ DENOTES IRON PIPE  
○ DENOTES PLASTIC BAR  
○ DENOTES WOODEN MONUMENT  
○ DENOTES METAL MONUMENT  
○ DENOTES SKETCH BY J.R. SNEATH O.L.S. NO. 66197  
○ DENOTES PLAN OF SURVEY BY ROBERT BASH LEE LTD. DATED DECEMBER 19, 1984, REF. NO. 87984  
○ DENOTES REGISTERED PLAN 43M-1576 DATED SEPTEMBER 2, 1987, JOB NO. 87-5228-3  
○ DENOTES PLAN 43M-1265  
○ DENOTES PLAN 43R-19488  
○ DENOTES SURVEYOR'S REAL PROPERTY REPORT BY DATED MAY 15, 2000, JOB NO. 00-3322  
○ DENOTES C.A. SEXTON O.L.S.  
○ DENOTES YOUNG & SAUNDERS O.L.S.  
○ DENOTES J.R. SNEATH O.L.S.  
○ DENOTES RICHARD A. BRESSI O.L.S.  
○ DENOTES P.M.F. DENOTES POST & WIRE FENCE O.L.S.  
○ DENOTES COUNTER CLOCKWISE  
○ DENOTES ALSO KNOWN AS

ALL DIMENSIONS SHOWN BETWEEN SURVEY MONUMENTS FOUND ARE MEASURED  
SAVE AND EXCEPT COMPARISONS TO EXISTING PLANS, SURVEY AND DEEDS.  
ALL SET SB AND PB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN  
AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH  
SECTION 11 (4) OF REG. 325/91.

**SURVEYOR'S CERTIFICATE**

I, GUIDO PAPA, SURVEYOR, DO HEREBY CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT AND THE REGULATIONS MADE UNDER THEM.

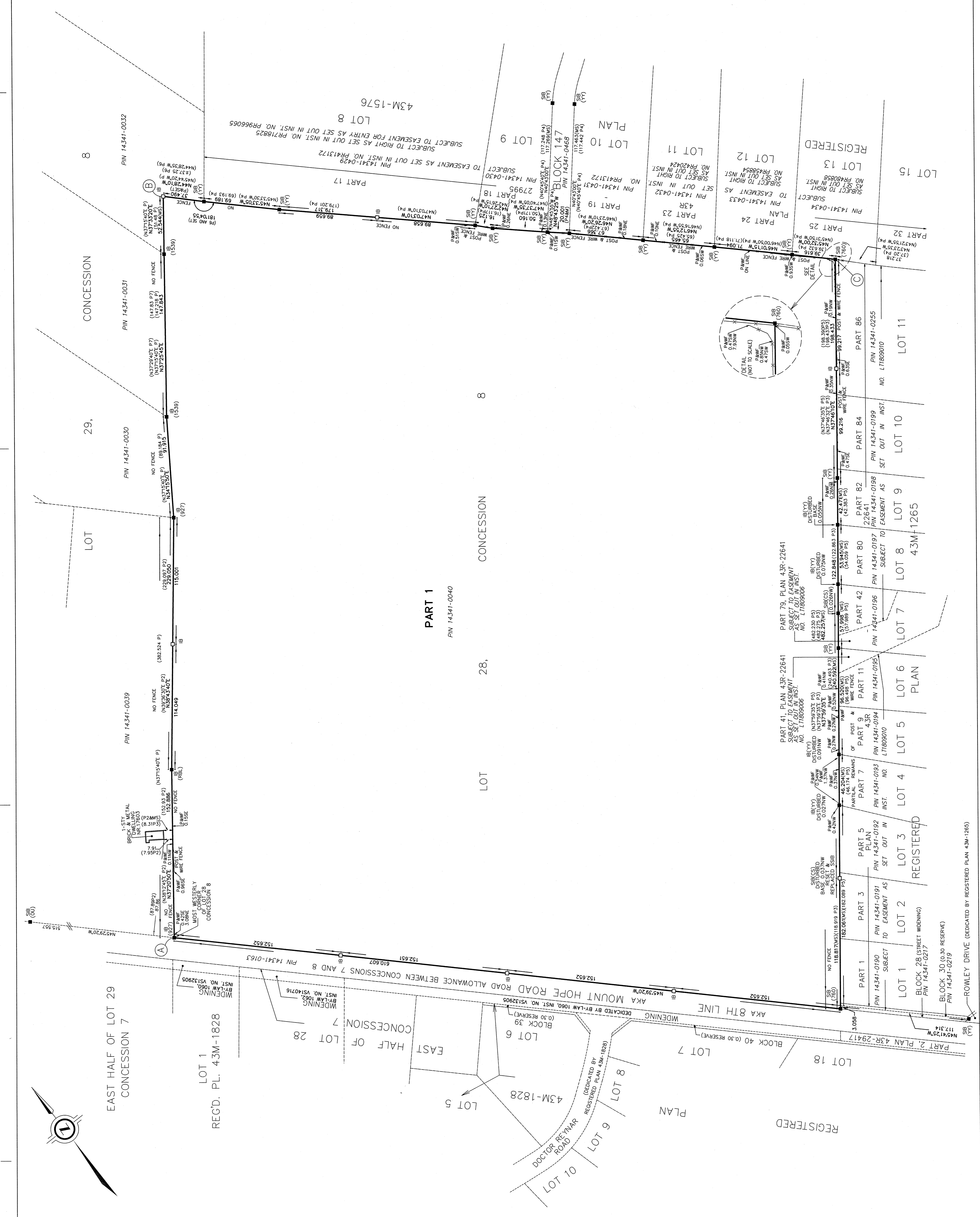
2. THE SURVEY WAS COMPLETED ON APRIL 19, 2018.

MAY 2, 2018  
DATE

*Guido Papa*  
GUIDO PAPA  
SURVEYOR  
ONTARIO LAND SURVEYOR

GUIDO PAPA SURVEYING  
A Division of J.D. Barnes Limited  
216 CHRISLEA RD. WOODBRIDGE, ON L4L 8S5  
T: (905) 264-2727 www.jpilms.com

DRAWN BY: EK/LJK  
CHECKED BY: LJK  
REFERENCE NO.: 18-18-975-00-REF



FILE: C:\Users\201818-18-975-00-17791 Mount Hope Road\07\Plan\18-18-975-00-00.dwg



# APPENDIX B

**SIRATI** & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions

CHAIN OF TITLE REPORT

Project # SP18-334-20  
 Address: e/s Mount Hope Road, Caledon  
 Legal Part Lot 28 Con 8 Albion  
 Description: as in VS234449

Searched at: Brampton  
 LRO #: 43

PIN# 14341-0040 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	24 07 1830	Crown	James CHEWETT
24028	Deed	06 02 1845	James Chewett - Estate	Edward GIBSON
7874	Deed	30 12 1900	Edward Gibson - Estate	Hance LYONS
7876	Deed	30 12 1900	Hance Lyons	Hance Anderson LYONS
11953	Deed	12 03 1920	Hance Anderson Lyons	John PATTERSON
20932	Deed	08 11 1963	John Patterson	Mary O'HEARN
112968VS	Deed	30 06 1969	Mary O'Hearn	Steve TAMPE & Marianne TAMPE
125382VS	Deed	31 10 1969	Steve Tampe & Marianne Tampe	Angelo TRIUMBARI & Pietro CRUPI
234449VS	Deed	20 10 1972	Angelo Triumbari	Giuseppe TRIUMBARI - 1/2 Int
PR1609741	Deed (Present Owners)	02 03 2009	Pietro Crupi & Giuseppe Triumbari	<b>Pietro CRUPI, Giuseppe TRIUMBARI &amp; Maria Teresa TRIUMBARI</b>

LAND  
 REGISTRY  
 OFFICE #43

14341-0040 (LT)

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: PT LT 28 CON 8 ALBION AS IN VS234449 ; CALEDON

PROPERTY REMARKS:

ESTATE/QUALIFIER:  
 FEE SIMPLE  
 LT CONVERSION QUALIFIED

RECENTLY:  
 RE-ENTRY FROM 14341-0306

PIN CREATION DATE:  
 1999/06/21

OWNERS' NAMES  
 CRUPI, PIETRO  
 TRIUMBARI, GIUSEPPE  
 TRIUMBARI, MARIA TERESA

CAPACITY SHARE  
 TCOM AS TO AN UND  
 TCOM AS TO AN UND  
 TCOM AS TO AN UND

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/10/21 ON THIS PIN**</b></p> <p><b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/06/21**</b></p> <p><b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/06/21 **</b></p> <p><b>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</b></p> <p><b>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * AND ESCHEATS OR FORFEITURE TO THE CROWN.</b></p> <p><b>** 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.</b></p> <p><b>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</b></p> <p><b>**DATE OF CONVERSION TO LAND TITLES: 1999/06/22 **</b></p>						
VS125382	1969/10/31	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	TRIUMBARI, ANGELO CRUPI, PIETRO	
VS125394	1969/10/31	CHARGE		*** COMPLETELY DELETED ***	LAMPI, STEVE LAMPE, MARIANNE	
VS234449	1972/10/20	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	TRIUMBARI, GIUSEPPE	
PR436079	2003/05/20	DISCH OF CHARGE		*** COMPLETELY DELETED *** LAMPI, STEVE LAMPE, MARIANNE		

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.

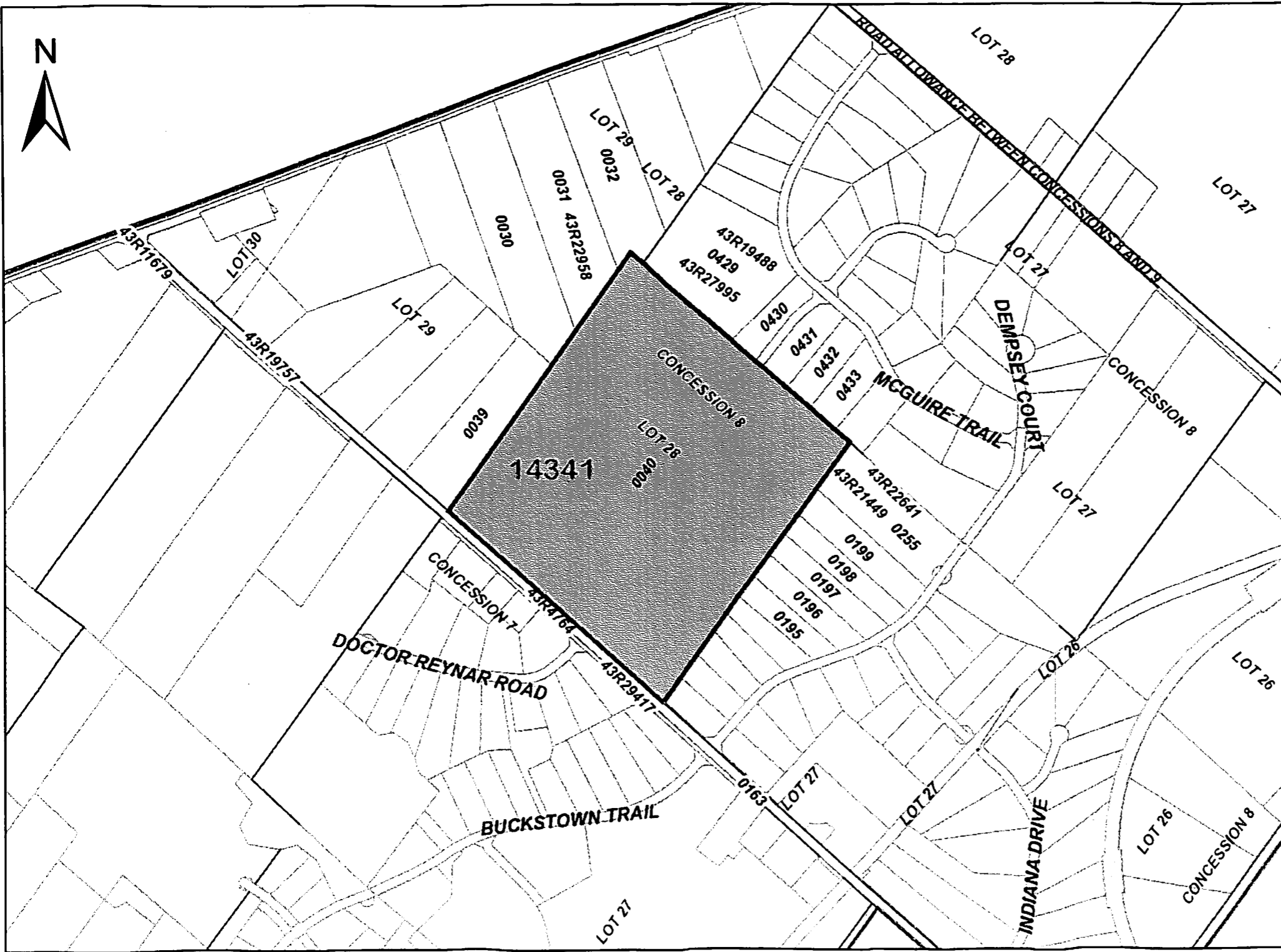
LAND  
 REGISTRY  
 OFFICE #43

14341-0040 (LT)

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

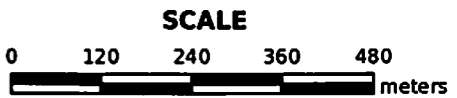
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
PR1609741	2009/03/02	TRANSFER	S2	CRUPI, PIETRO TRIUMBARI, GIUSEPPE	CRUPI, PIETRO TRIUMBARI, GIUSEPPE TRIUMBARI, MARIA TERESA	C

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.



# ServiceOntario

PRINTED ON 09 JUL, 2018 AT 09:54:39  
FOR BERTUCCI1



## PROPERTY INDEX MAP PEEL (No. 43)

**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



# APPENDIX C



# DATABASE REPORT

**Project Property:** *Mount Hope Rd, Caledon  
Mount Hope Rd  
Kleinburg ON  
SP18-334-20*

**Project No:** *SP18-334-20*

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

**Order No:** *20180705167*

**Requested by:** *Sirati & Partners Consultants Ltd.*

**Date Completed:** *July 12, 2018*

**Environmental Risk  
Information Services**  
A division of Glacier Media Inc.  
P: 1.866.517.5204  
E: [info@erisinfo.com](mailto:info@erisinfo.com)

**[www.erisinfo.com](http://www.erisinfo.com)**

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# Executive Summary

## **Property Information:**

**Project Property:** *Mount Hope Rd, Caledon  
Mount Hope Rd Kleinburg ON*

**Project No:** *SP18-334-20*

## **Order Information:**

**Order No:** *20180705167*

**Date Requested:** *July 5, 2018*

**Requested by:** *Sirati & Partners Consultants Ltd.*

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

## **Historical/Products:**

## Executive Summary: Report Summary

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
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	1	1
CA	<i>Certificates of Approval</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
DRYCLEANERS	<i>Dry Cleaning Facilities</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	0	0
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
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	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>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
MISA PENALTY	<i>Environmental Penalty Annual Report</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	1	1
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	15	16
<b>Total:</b>			1	17	18

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	WWIS		lot 28 con 8 BOLTON ON	-/0.0	1.53	<a href="#">13</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">2</a>	WWIS		PALGRAVE ON	SW/13.4	1.21	<a href="#">15</a>
<a href="#">3</a>	WWIS		PALGRAVE ON	SW/14.1	1.21	<a href="#">17</a>
<a href="#">4</a>	WWIS		PALGRAVE ON	SW/17.7	1.21	<a href="#">20</a>
<a href="#">5</a>	WWIS		lot 28 con 7 ON	W/29.5	4.28	<a href="#">24</a>
<a href="#">6</a>	WWIS		lot 28 con 7 ON	WSW/44.8	2.26	<a href="#">26</a>
<a href="#">7</a>	BORE		ON	W/77.8	6.43	<a href="#">31</a>
<a href="#">8</a>	WWIS		lot 27 con 8 ON	S/78.7	-0.63	<a href="#">31</a>
<a href="#">9</a>	WWIS		lot 27 ON	S/92.7	-0.65	<a href="#">36</a>
<a href="#">10</a>	WWIS		lot 27 con 8 ON	S/104.4	-0.64	<a href="#">40</a>
<a href="#">11</a>	WWIS		lot 29 con 8 ON	WNW/109.5	4.41	<a href="#">45</a>
<a href="#">12</a>	SCT	C B Mould Services Inc.	76 McGuire Trail Palgrave ON L7E 0E3	ENE/134.7	6.36	<a href="#">48</a>
<a href="#">13</a>	WWIS		lot 29 con 8 ON	WNW/154.5	6.42	<a href="#">49</a>
<a href="#">14</a>	WWIS		lot 29 con 8 ON	NNW/183.5	2.25	<a href="#">52</a>
<a href="#">15</a>	WWIS		lot 27 con 7 ON	S/184.9	-1.56	<a href="#">55</a>
<a href="#">16</a>	WWIS		lot 29 con 7 ON	W/192.5	8.93	<a href="#">57</a>
<a href="#">17</a>	WWIS		lot 29 con 1 Caledon ON	W/214.3	9.07	<a href="#">61</a>
<a href="#">18</a>	WWIS		lot 27 con 8 ON	SSE/223.8	-2.58	<a href="#">63</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2014 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	77.8	<a href="#"><u>7</u></a>

## **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011\* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

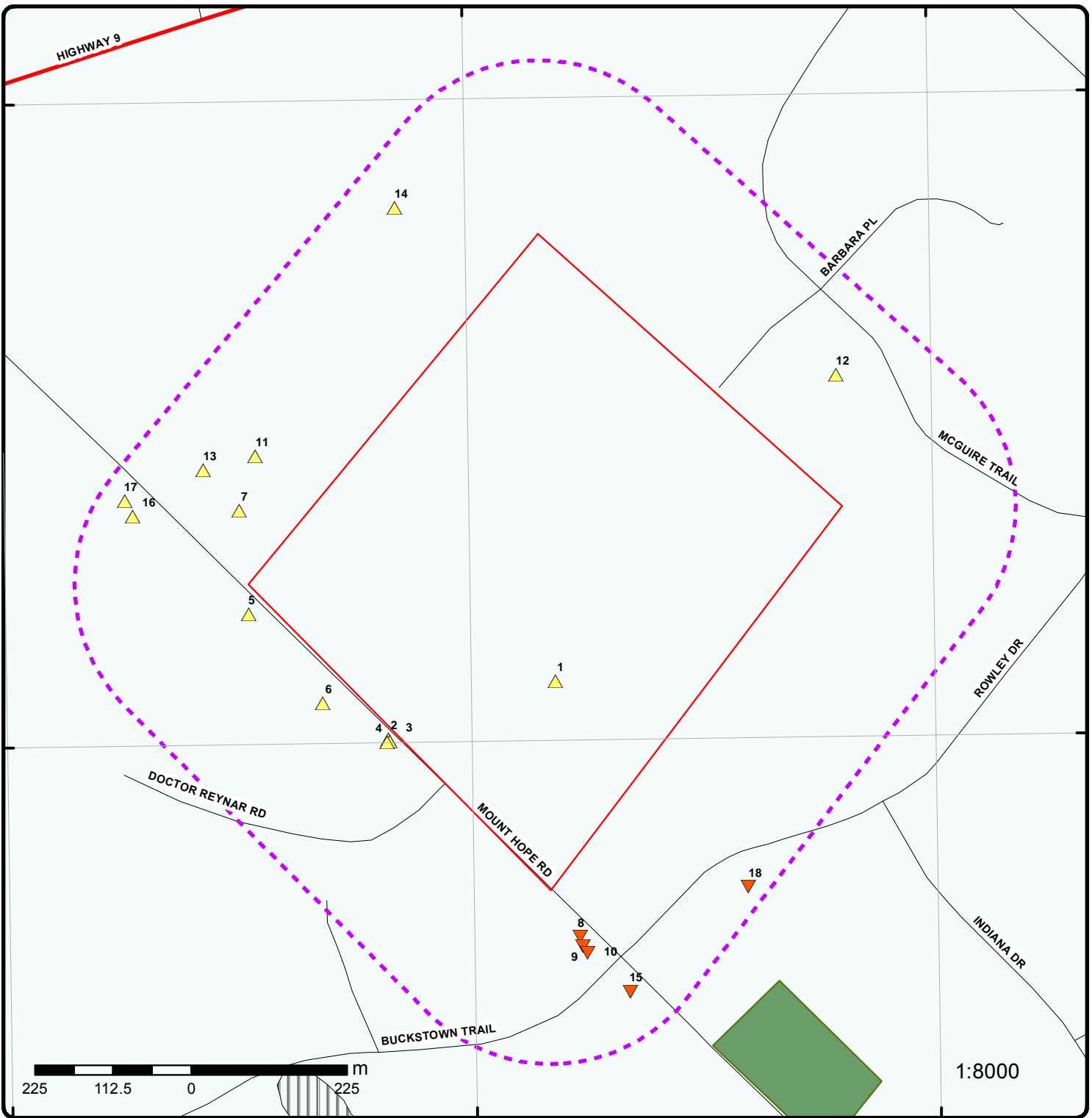
<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
C B Mould Services Inc.	76 McGuire Trail Palgrave ON L7E 0E3	134.7	<a href="#"><u>12</u></a>

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

A search of the WWIS database, dated Dec 31, 2017 has found that there are 16 WWIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	lot 28 con 8 BOLTON ON	0.0	<a href="#"><u>1</u></a>
	PALGRAVE ON	13.4	<a href="#"><u>2</u></a>
	PALGRAVE ON	14.1	<a href="#"><u>3</u></a>
	PALGRAVE ON	17.7	<a href="#"><u>4</u></a>
	lot 28 con 7 ON	29.5	<a href="#"><u>5</u></a>
	lot 28 con 7 ON	44.8	<a href="#"><u>6</u></a>
	lot 27 con 8 ON	78.7	<a href="#"><u>8</u></a>
	lot 27 ON	92.7	<a href="#"><u>9</u></a>
	lot 27 con 8 ON	104.4	<a href="#"><u>10</u></a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	lot 29 con 8 ON	109.5	<a href="#"><u>11</u></a>
	lot 29 con 8 ON	154.5	<a href="#"><u>13</u></a>
	lot 29 con 8 ON	183.5	<a href="#"><u>14</u></a>
	lot 27 con 7 ON	184.9	<a href="#"><u>15</u></a>
	lot 29 con 7 ON	192.5	<a href="#"><u>16</u></a>
	lot 29 con 1 Caledon ON	214.3	<a href="#"><u>17</u></a>
	lot 27 con 8 ON	223.8	<a href="#"><u>18</u></a>



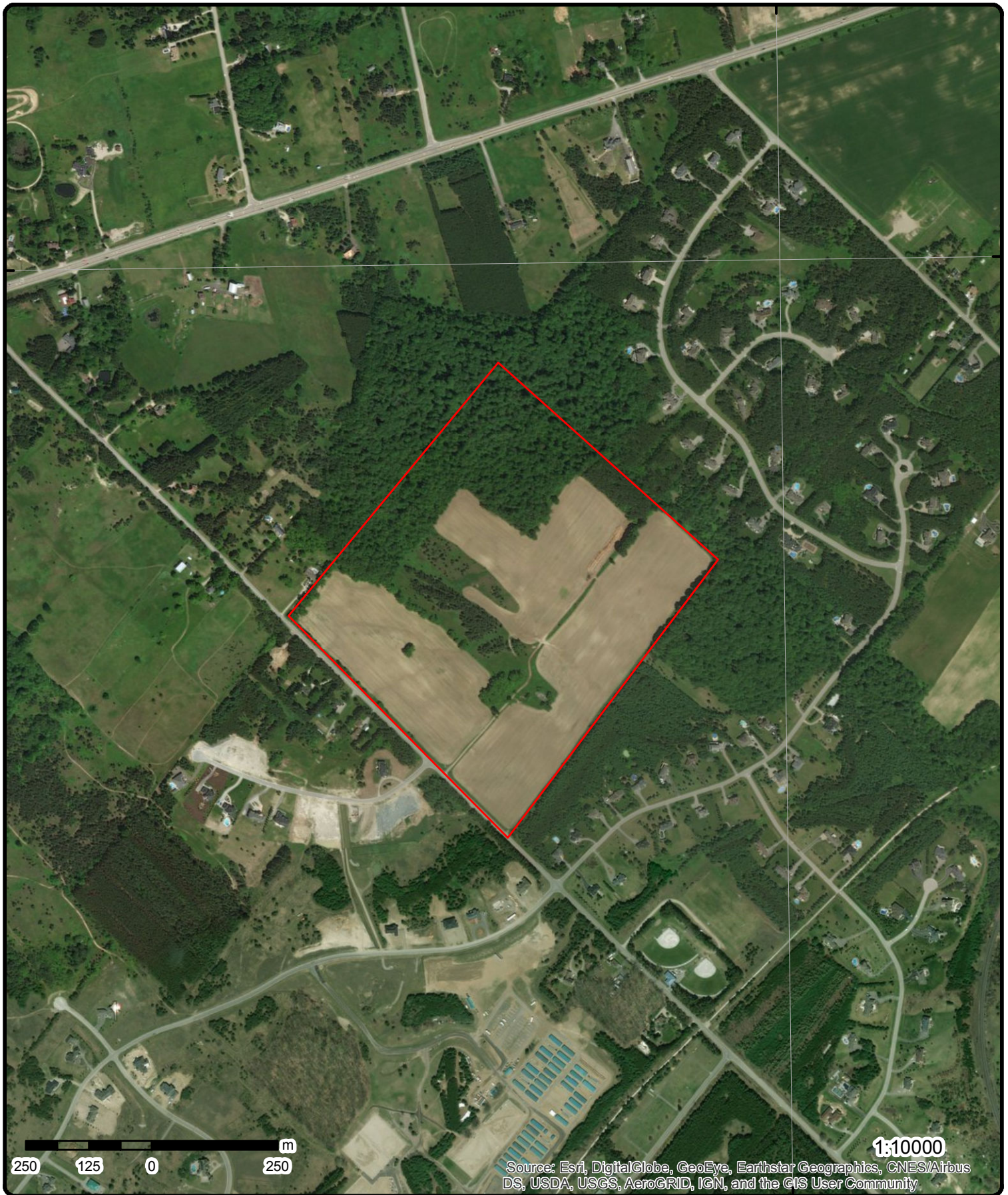
### Map : 0.25 Kilometer Radius

Order No: 20180705167  
Address: Mount Hope Rd, Kleinburg, ON



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





# Aerial (2013)

Address: Mount Hope Rd, Kleinburg, ON

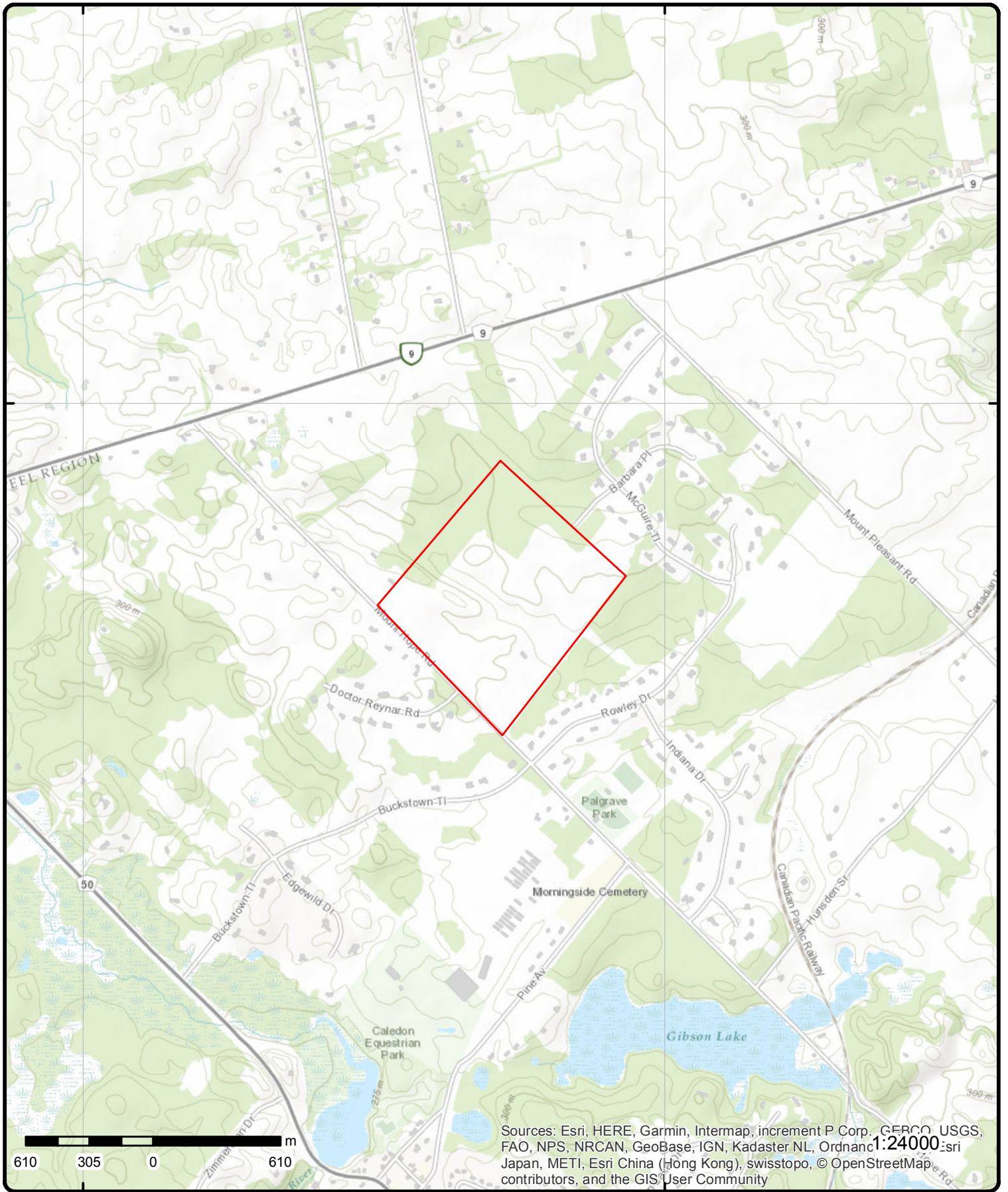
Source: ESRI World Imagery

Order No: 20180705167



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# Topographic Map

Address: Mount Hope Rd, Kleinburg, ON

Source: ESRI World Topographic Map

Order No: 20180705167



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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<u>1</u>	1 of 1	-/0.0	300.0/ 1.53	lot 28 con 8 BOLTON ON	WWIS
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<p><b>Well ID:</b> 7120572</p> <p><b>Construction Date:</b></p> <p><b>Primary Water Use:</b> Other</p> <p><b>Sec. Water Use:</b></p> <p><b>Final Well Status:</b> Abandoned-Other</p> <p><b>Water Type:</b></p> <p><b>Casing Material:</b></p> <p><b>Audit No:</b> Z89948</p> <p><b>Tag:</b></p> <p><b>Construction Method:</b></p> <p><b>Elevation (m):</b></p> <p><b>Elevation Reliability:</b></p> <p><b>Depth to Bedrock:</b></p> <p><b>Well Depth:</b></p> <p><b>Overburden/Bedrock:</b></p> <p><b>Pump Rate:</b></p> <p><b>Static Water Level:</b></p> <p><b>Flowing (Y/N):</b></p> <p><b>Flow Rate:</b></p> <p><b>Clear/Cloudy:</b></p>	<p><b>Data Entry Status:</b></p> <p><b>Data Src:</b></p> <p><b>Date Received:</b> 3/16/2009</p> <p><b>Selected Flag:</b> Yes</p> <p><b>Abandonment Rec:</b> Yes</p> <p><b>Contractor:</b> 4011</p> <p><b>Form Version:</b> 7</p> <p><b>Owner:</b></p> <p><b>Street Name:</b> 15915 MOUNT HOPE RD.</p> <p><b>County:</b> PEEL</p> <p><b>Municipality:</b> CALEDON TOWN (ALBION)</p> <p><b>Site Info:</b></p> <p><b>Lot:</b> 028</p> <p><b>Concession:</b> 08</p> <p><b>Concession Name:</b> CON</p> <p><b>Easting NAD83:</b></p> <p><b>Northing NAD83:</b></p> <p><b>Zone:</b></p> <p><b>UTM Reliability:</b></p>
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**Bore Hole Information**

<p><b>Bore Hole ID:</b> 1002032476</p> <p><b>DP2BR:</b></p> <p><b>Spatial Status:</b></p> <p><b>Code OB:</b></p> <p><b>Code OB Desc:</b></p> <p><b>Open Hole:</b></p> <p><b>Cluster Kind:</b></p> <p><b>Date Completed:</b> 20-JAN-09</p> <p><b>Remarks:</b></p> <p><b>Elevrc Desc:</b></p> <p><b>Location Source Date:</b></p> <p><b>Improvement Location Source:</b></p> <p><b>Improvement Location Method:</b></p> <p><b>Source Revision Comment:</b></p> <p><b>Supplier Comment:</b></p>	<p><b>Elevation:</b> 300.45</p> <p><b>Elevrc:</b></p> <p><b>Zone:</b> 17</p> <p><b>East83:</b> 593706</p> <p><b>Org CS:</b> UTM83</p> <p><b>North83:</b> 4868919</p> <p><b>UTMRC:</b> 4</p> <p><b>UTMRC Desc:</b> margin of error : 30 m - 100 m</p> <p><b>Location Method:</b> wwr</p>
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**Annular Space/Abandonment Sealing Record**

<p><b>Plug ID:</b> 1002478994</p> <p><b>Layer:</b> 2</p> <p><b>Plug From:</b> 1.8</p> <p><b>Plug To:</b> 2</p> <p><b>Plug Depth UOM:</b> m</p>	<p><b>Plug ID:</b> 1002478996</p> <p><b>Layer:</b> 4</p>
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<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>Plug From:</b>		18			
<b>Plug To:</b>		18.6			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1002478998			
<b>Layer:</b>		6			
<b>Plug From:</b>		20.3			
<b>Plug To:</b>		21.3			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1002478993			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		1.8			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1002478995			
<b>Layer:</b>		3			
<b>Plug From:</b>		2			
<b>Plug To:</b>		18			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1002478997			
<b>Layer:</b>		5			
<b>Plug From:</b>		18.6			
<b>Plug To:</b>		20.3			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002479003			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002478989			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002479000			
<b>Layer:</b>		1			
<b>Material:</b>		3			
<b>Open Hole or Material:</b>		CONCRETE			
<b>Depth From:</b>		21.3			
<b>Depth To:</b>		0			
<b>Casing Diameter:</b>		125			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002479001			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1002478990			
<b>Pump Set At:</b>					
<b>Static Level:</b>		18.3			
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1002478999			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1002478992			
<b>Diameter:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

<a href="#">2</a>	1 of 1	SW/13.4	299.7 / 1.21	PALGRAVE ON	WWIS
<b>Well ID:</b>		7249495		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>		Monitoring		<b>Date Received:</b>	
<b>Sec. Water Use:</b>				10/7/2015	
<b>Final Well Status:</b>		Abandoned-Other		<b>Selected Flag:</b>	
<b>Water Type:</b>				Yes	
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>		Z221477		Yes	
<b>Tag:</b>		A092547		<b>Contractor:</b>	
<b>Construction Method:</b>				7221	
<b>Elevation (m):</b>				<b>Form Version:</b>	
<b>Elevation Reliability:</b>				7	
<b>Depth to Bedrock:</b>				<b>Owner:</b>	
<b>Well Depth:</b>				<b>Street Name:</b>	
<b>Overburden/Bedrock:</b>				MT. HOPE ROAD	
<b>Pump Rate:</b>				<b>County:</b>	
<b>Static Water Level:</b>				PEEL	
				<b>Municipality:</b>	
				CALEDON TOWN (ALBION)	
				<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
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Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Zone:  
UTM Reliability:

**Bore Hole Information**

<b>Bore Hole ID:</b>	1005717556	<b>Elevation:</b>	301.17
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>		<b>East83:</b>	593466
<b>Code OB Desc:</b>		<b>Org CS:</b>	UTM83
<b>Open Hole:</b>		<b>North83:</b>	4868836
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	29-SEP-15	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1005744159  
**Layer:** 2  
**Plug From:** 30.42  
**Plug To:** 2  
**Plug Depth UOM:** ft

**Plug ID:** 1005744161  
**Layer:** 1  
**Plug From:** 2  
**Plug To:** 0  
**Plug Depth UOM:** ft

**Plug ID:** 1005744158  
**Layer:** 1  
**Plug From:** 2  
**Plug To:** 0  
**Plug Depth UOM:** ft

**Plug ID:** 1005744162  
**Layer:** 2  
**Plug From:** 30.42  
**Plug To:** 2  
**Plug Depth UOM:** ft

**Plug ID:** 1005744160  
**Layer:** 3  
**Plug From:** 43.75  
**Plug To:** 30.42  
**Plug Depth UOM:** ft

**Plug ID:** 1005744163  
**Layer:** 3  
**Plug From:** 43.75  
**Plug To:** 30.42  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Method Construction ID:</b> <b>Method Construction Code:</b> <b>Method Construction:</b> <b>Other Method Construction:</b>		1005744157			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> <b>Casing No:</b> <b>Comment:</b> <b>Alt Name:</b>		1005744150	0		
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> <b>Layer:</b> <b>Material:</b> <b>Open Hole or Material:</b> <b>Depth From:</b> <b>Depth To:</b> <b>Casing Diameter:</b> <b>Casing Diameter UOM:</b> <b>Casing Depth UOM:</b>		1005744154	1 5 PLASTIC 2.5 3 inch ft		
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b> <b>Layer:</b> <b>Slot:</b> <b>Screen Top Depth:</b> <b>Screen End Depth:</b> <b>Screen Material:</b> <b>Screen Depth UOM:</b> <b>Screen Diameter UOM:</b> <b>Screen Diameter:</b>		1005744155	ft inch		
<b><u>Water Details</u></b>					
<b>Water ID:</b> <b>Layer:</b> <b>Kind Code:</b> <b>Kind:</b> <b>Water Found Depth:</b> <b>Water Found Depth UOM:</b>		1005744153	ft		
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> <b>Diameter:</b> <b>Depth From:</b> <b>Depth To:</b> <b>Hole Depth UOM:</b> <b>Hole Diameter UOM:</b>		1005744152	ft inch		
<u>3</u>	1 of 1	SW/14.1	299.7 / 1.21	PALGRAVE ON	WWIS
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b>		7143222		<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b>	3/1/2010

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	6809
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z110160			<b>Owner:</b>	
<b>Tag:</b>	A092547			<b>Street Name:</b>	MOUNT HOPE RD
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	1002957280	<b>Elevation:</b>	301.06
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>		<b>East83:</b>	593468
<b>Code OB Desc:</b>		<b>Org CS:</b>	UTM83
<b>Open Hole:</b>		<b>North83:</b>	4868833
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	14-DEC-09	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	1003098115
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	28
<b>Most Common Material:</b>	SAND
<b>Mat2:</b>	11
<b>Other Materials:</b>	GRAVEL
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	30
<b>Formation End Depth:</b>	43
<b>Formation End Depth UOM:</b>	ft
<b>Formation ID:</b>	1003098113
<b>Layer:</b>	1
<b>Color:</b>	8
<b>General Color:</b>	BLACK
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth:</b>	1				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	1003098116				
<b>Layer:</b>	4				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	06				
<b>Most Common Material:</b>	SILT				
<b>Mat2:</b>	34				
<b>Other Materials:</b>	TILL				
<b>Mat3:</b>	81				
<b>Other Materials:</b>	SANDY				
<b>Formation Top Depth:</b>	43				
<b>Formation End Depth:</b>	45				
<b>Formation End Depth UOM:</b>	ft				
<b>Formation ID:</b>	1003098114				
<b>Layer:</b>	2				
<b>Color:</b>	6				
<b>General Color:</b>	BROWN				
<b>Mat1:</b>	28				
<b>Most Common Material:</b>	SAND				
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>	68				
<b>Other Materials:</b>	DRY				
<b>Formation Top Depth:</b>	1				
<b>Formation End Depth:</b>	30				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1003098119				
<b>Layer:</b>	2				
<b>Plug From:</b>	27				
<b>Plug To:</b>	45				
<b>Plug Depth UOM:</b>	ft				
<b>Plug ID:</b>	1003098118				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	27				
<b>Plug Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1003098125				
<b>Method Construction Code:</b>	E				
<b>Method Construction:</b>	Auger				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1003098112				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b> 1003098121					
<b>Layer:</b> 1					
<b>Material:</b> 5					
<b>Open Hole or Material:</b> PLASTIC					
<b>Depth From:</b> 0					
<b>Depth To:</b> 40					
<b>Casing Diameter:</b> 3					
<b>Casing Diameter UOM:</b> inch					
<b>Casing Depth UOM:</b> ft					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b> 1003098122					
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b> ft					
<b>Screen Diameter UOM:</b> inch					
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b> 1003098120					
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b> ft					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 1003098117					
<b>Diameter:</b> 8					
<b>Depth From:</b> 0					
<b>Depth To:</b> 45					
<b>Hole Depth UOM:</b> ft					
<b>Hole Diameter UOM:</b> inch					

<a href="#">4</a>	1 of 1	SW/17.7	299.7 / 1.21	PALGRAVE ON	WWIS
<b>Well ID:</b> 4909679					
<b>Construction Date:</b>					
<b>Primary Water Use:</b>					
<b>Sec. Water Use:</b>					
<b>Final Well Status:</b> Observation Wells					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b> Z17477					
<b>Tag:</b> A010249					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b>					
<b>Date Received:</b> 3/8/2005					
<b>Selected Flag:</b> Yes					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 1129					
<b>Form Version:</b> 3					
<b>Owner:</b>					
<b>Street Name:</b> MOUNT HOPE RD					
<b>County:</b> PEEL					
<b>Municipality:</b> CALEDON TOWN (ALBION)					
<b>Site Info:</b>					
<b>Lot:</b>					
<b>Concession:</b>					
<b>Concession Name:</b>					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flow Rate: Clear/Cloudy:				UTM Reliability:	
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	11323412			Elevation:	300.96
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:	0			East83:	593464
Code OB Desc:	Overburden			Org CS:	UTM83
Open Hole:				North83:	4868832
Cluster Kind:				UTMRC:	4
Date Completed:	04-OCT-04			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:	933021126				
Layer:	5				
Color:	2				
General Color:	GREY				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:	06				
Other Materials:	SILT				
Formation Top Depth:	40.3				
Formation End Depth:	76.6				
Formation End Depth UOM:	m				
Formation ID:	933021122				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	28				
Other Materials:	SAND				
Mat3:	12				
Other Materials:	STONES				
Formation Top Depth:	0				
Formation End Depth:	1.6				
Formation End Depth UOM:	m				
Formation ID:	933021128				
Layer:	7				
Color:					
General Color:					
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:	06				
Other Materials:	SILT				
Formation Top Depth:	78.1				
Formation End Depth:	79.5				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		933021123			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		1.6			
<b>Formation End Depth:</b>		12.9			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		933021124			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		29			
<b>Other Materials:</b>		FINE GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		12.9			
<b>Formation End Depth:</b>		32.1			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		933021127			
<b>Layer:</b>		6			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>		34			
<b>Other Materials:</b>		TILL			
<b>Formation Top Depth:</b>		76.6			
<b>Formation End Depth:</b>		78.1			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		933021125			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		10			
<b>Most Common Material:</b>		COARSE SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		08			
<b>Other Materials:</b>		FINE SAND			
<b>Formation Top Depth:</b>		32.1			
<b>Formation End Depth:</b>		40.3			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		933266731			
<b>Layer:</b>		2			
<b>Plug From:</b>		.3			
<b>Plug To:</b>		72.2			

<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>Plug Depth UOM:</b>					
<b>Plug ID:</b>		m			
<b>Plug ID:</b>		933266730			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		.3			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>					
<b>Plug ID:</b>		933266732			
<b>Layer:</b>		3			
<b>Plug From:</b>		72.2			
<b>Plug To:</b>		75			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>					
<b>Plug ID:</b>		933266729			
<b>Layer:</b>		4			
<b>Plug From:</b>		75			
<b>Plug To:</b>		79.6			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964909679			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11338267			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930866480			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		73.2			
<b>Casing Diameter:</b>		6.3			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933412197			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		73.2			
<b>Screen End Depth:</b>		74.7			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		7.1			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11543305			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		13			
Depth From:		3			
Depth To:		79.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		11543306			
Diameter:		20			
Depth From:		0			
Depth To:		3			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>5</u>	1 of 1	W/29.5	302.8 / 4.28	lot 28 con 7 ON	WWIS
<b>Well ID:</b>	4900434			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Livestock			<b>Date Received:</b>	6/22/1964
<b>Sec. Water Use:</b>	Domestic			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	4813
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	028
<b>Well Depth:</b>				<b>Concession:</b>	07
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	10315282	<b>Elevation:</b>	302.94
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	593265.4
<b>Code OB Desc:</b>	Overburden	<b>Org CS:</b>	
<b>Open Hole:</b>		<b>North83:</b>	4869016
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	14-MAY-64	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	932030062
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	09

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		31			
<b>Formation End Depth:</b>		134			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030063			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		134			
<b>Formation End Depth:</b>		145			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030061			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		10			
<b>Formation End Depth:</b>		31			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030060			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		10			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964900434			
<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>		10863852			
<b>Casing No:</b>		1			
<b>Comment:</b>					

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

**Construction Record - Casing**

Casing ID: 930521374  
 Layer: 1  
 Material: 1  
 Open Hole or Material: STEEL  
 Depth From:  
 Depth To: 141  
 Casing Diameter: 4  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 933358992  
 Layer: 1  
 Slot: 012  
 Screen Top Depth: 141  
 Screen End Depth: 145  
 Screen Material:  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 4

**Results of Well Yield Testing**

Pump Test ID: 994900434  
 Pump Set At:  
 Static Level: 65  
 Final Level After Pumping: 65  
 Recommended Pump Depth: 75  
 Pumping Rate: 6  
 Flowing Rate:  
 Recommended Pump Rate: 6  
 Levels UOM: ft  
 Rate UOM: GPM  
 Water State After Test Code: 1  
 Water State After Test: CLEAR  
 Pumping Test Method: 1  
 Pumping Duration HR: 4  
 Pumping Duration MIN: 0  
 Flowing: N

**Water Details**

Water ID: 933788388  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 134  
 Water Found Depth UOM: ft

6

1 of 1

WSW/44.8

300.8 / 2.26

lot 28 con 7  
ON

WWIS

Well ID: 4900433  
 Construction Date:  
 Primary Water Use: Domestic  
 Sec. Water Use: 0  
 Final Well Status: Water Supply

Data Entry Status:  
 Data Src: 1  
 Date Received: 7/3/1962  
 Selected Flag: Yes  
 Abandonment Rec:



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Type:</b>				<b>Contractor:</b>	4823
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	028
<b>Well Depth:</b>				<b>Concession:</b>	07
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

### Bore Hole Information

<b>Bore Hole ID:</b>	10315281	<b>Elevation:</b>	300.95
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	593371.4
<b>Code OB Desc:</b>	Overburden	<b>Org CS:</b>	
<b>Open Hole:</b>		<b>North83:</b>	4868887
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	18-JUN-62	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

### Overburden and Bedrock

#### Materials Interval

<b>Formation ID:</b>	932030049
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	2
<b>Formation End Depth UOM:</b>	ft
<b>Formation ID:</b>	932030055
<b>Layer:</b>	7
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	09
<b>Most Common Material:</b>	MEDIUM SAND
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	128
<b>Formation End Depth:</b>	131
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932030052			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		13			
<b>Most Common Material:</b>		BOULDERS			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		35			
<b>Formation End Depth:</b>		55			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030050			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		2			
<b>Formation End Depth:</b>		22			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030054			
<b>Layer:</b>		6			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		95			
<b>Formation End Depth:</b>		128			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030059			
<b>Layer:</b>		11			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		140			
<b>Formation End Depth:</b>		150			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030051			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		08			
<b>Other Materials:</b>		FINE SAND			
<b>Mat3:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			22		
<b>Formation End Depth:</b>			35		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932030057</b>					
<b>Layer:</b>			9		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			132		
<b>Formation End Depth:</b>			133		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932030058</b>					
<b>Layer:</b>			10		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			11		
<b>Most Common Material:</b>			GRAVEL		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			133		
<b>Formation End Depth:</b>			140		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932030056</b>					
<b>Layer:</b>			8		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			11		
<b>Most Common Material:</b>			GRAVEL		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			131		
<b>Formation End Depth:</b>			132		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932030053</b>					
<b>Layer:</b>			5		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			06		
<b>Most Common Material:</b>			SILT		
<b>Mat2:</b>			09		
<b>Other Materials:</b>			MEDIUM SAND		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			55		
<b>Formation End Depth:</b>			95		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>			964900433		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10863851				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930521373				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	146				
<b>Casing Diameter:</b>	5				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	933358991				
<b>Layer:</b>	1				
<b>Slot:</b>	020				
<b>Screen Top Depth:</b>	146				
<b>Screen End Depth:</b>	150				
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>	ft				
<b>Screen Diameter UOM:</b>	inch				
<b>Screen Diameter:</b>	5				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	994900433				
<b>Pump Set At:</b>					
<b>Static Level:</b>	70				
<b>Final Level After Pumping:</b>	110				
<b>Recommended Pump Depth:</b>	135				
<b>Pumping Rate:</b>	2				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	2				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	8				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	N				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	933788387				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	146				
<b>Water Found Depth UOM:</b>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>7</u>	1 of 1	W/77.8	304.9 / 6.43	ON	BORE
<b>Borehole ID:</b>	590446			<b>Type:</b>	Outcrop
<b>Use:</b>				<b>Status::</b>	Unknown
<b>Drill Method::</b>				<b>UTM Zone::</b>	17
<b>Easting::</b>	593251			<b>Northing::</b>	4869165
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	304
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	304
<b>Total Depth m::</b>	1.5			<b>Primary Name::</b>	OGS-OLW-62-964
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>				<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218340371			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	1.5			<b>Stratum Desc:</b>	msa
<u>8</u>	1 of 1	S/78.7	297.9 / -0.63	lot 27 con 8 ON	WWIS
<b>Well ID:</b>	4906509			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Municipal			<b>Date Received:</b>	12/9/1986
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	2517
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	NA			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	08
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10321074			<b>Elevation:</b>	297.43
<b>DP2BR:</b>	264			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>	r			<b>East83:</b>	593742.4
<b>Code OB Desc:</b>	Bedrock			<b>Org CS:</b>	
<b>Open Hole:</b>				<b>North83:</b>	4868552
<b>Cluster Kind:</b>				<b>UTMRC:</b>	5
<b>Date Completed:</b>	25-SEP-86			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932054007			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		14			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054013			
<b>Layer:</b>		7			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		29			
<b>Most Common Material:</b>		FINE GRAVEL			
<b>Mat2:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Mat3:</b>		74			
<b>Other Materials:</b>		LAYERED			
<b>Formation Top Depth:</b>		93			
<b>Formation End Depth:</b>		123			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054014			
<b>Layer:</b>		8			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		30			
<b>Most Common Material:</b>		MEDIUM GRAVEL			
<b>Mat2:</b>		12			
<b>Other Materials:</b>		STONES			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		123			
<b>Formation End Depth:</b>		186			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054008			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		14			
<b>Formation End Depth:</b>		31			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054017			
<b>Layer:</b>		11			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			

<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>Mat2:</b>			10		
<b>Other Materials:</b>			COARSE SAND		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			216		
<b>Formation End Depth:</b>			231		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932054009		
<b>Layer:</b>			3		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			31		
<b>Most Common Material:</b>			COARSE GRAVEL		
<b>Mat2:</b>			12		
<b>Other Materials:</b>			STONES		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			31		
<b>Formation End Depth:</b>			35		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932054011		
<b>Layer:</b>			5		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			08		
<b>Most Common Material:</b>			FINE SAND		
<b>Mat2:</b>			74		
<b>Other Materials:</b>			LAYERED		
<b>Mat3:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Formation Top Depth:</b>			61		
<b>Formation End Depth:</b>			86		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932054012		
<b>Layer:</b>			6		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			74		
<b>Other Materials:</b>			LAYERED		
<b>Mat3:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Formation Top Depth:</b>			86		
<b>Formation End Depth:</b>			93		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932054015		
<b>Layer:</b>			9		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			08		
<b>Most Common Material:</b>			FINE SAND		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			186		
<b>Formation End Depth:</b>			201		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932054019		
<b>Layer:</b>			13		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		256			
<b>Formation End Depth:</b>		264			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID: 932054010</b>					
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		74			
<b>Other Materials:</b>		LAYERED			
<b>Mat3:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Formation Top Depth:</b>		35			
<b>Formation End Depth:</b>		61			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID: 932054016</b>					
<b>Layer:</b>		10			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>		74			
<b>Other Materials:</b>		LAYERED			
<b>Formation Top Depth:</b>		201			
<b>Formation End Depth:</b>		216			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID: 932054018</b>					
<b>Layer:</b>		12			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		10			
<b>Most Common Material:</b>		COARSE SAND			
<b>Mat2:</b>		32			
<b>Other Materials:</b>		PEA GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		231			
<b>Formation End Depth:</b>		256			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID: 932054020</b>					
<b>Layer:</b>		14			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		264			
<b>Formation End Depth:</b>		292			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964906509			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10869644			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930529784			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		241			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933359987			
<b>Layer:</b>		1			
<b>Slot:</b>		002			
<b>Screen Top Depth:</b>		241			
<b>Screen End Depth:</b>		246			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994906509			
<b>Pump Set At:</b>					
<b>Static Level:</b>		46			
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		100			
<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			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933794485			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		245			
Water Found Depth UOM:		ft			

<a href="#">9</a>	1 of 1	S/92.7	297.8 / -0.65	lot 27 ON	WWIS
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<b>Well ID:</b>	4906507	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>		<b>Date Received:</b>	12/9/1986
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>		<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	2517
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>	NA	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	PEEL
<b>Elevation (m):</b>		<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	027
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

#### Bore Hole Information

<b>Bore Hole ID:</b>	10321072	<b>Elevation:</b>	297.33
<b>DP2BR:</b>	263	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	r	<b>East83:</b>	593746.4
<b>Code OB Desc:</b>	Bedrock	<b>Org CS:</b>	
<b>Open Hole:</b>		<b>North83:</b>	4868538
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	30-SEP-86	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	932053985
<b>Layer:</b>	9
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	29
<b>Most Common Material:</b>	FINE GRAVEL
<b>Mat2:</b>	05
<b>Other Materials:</b>	CLAY
<b>Mat3:</b>	12
<b>Other Materials:</b>	STONES

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>			101		
<b>Formation End Depth:</b>			129		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053986		
<b>Layer:</b>			10		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			30		
<b>Most Common Material:</b>			MEDIUM GRAVEL		
<b>Mat2:</b>			28		
<b>Other Materials:</b>			SAND		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			129		
<b>Formation End Depth:</b>			187		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053979		
<b>Layer:</b>			3		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			28		
<b>Other Materials:</b>			SAND		
<b>Mat3:</b>			32		
<b>Other Materials:</b>			PEA GRAVEL		
<b>Formation Top Depth:</b>			14		
<b>Formation End Depth:</b>			52		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053991		
<b>Layer:</b>			15		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			08		
<b>Most Common Material:</b>			FINE SAND		
<b>Mat2:</b>			09		
<b>Other Materials:</b>			MEDIUM SAND		
<b>Mat3:</b>			32		
<b>Other Materials:</b>			PEA GRAVEL		
<b>Formation Top Depth:</b>			258		
<b>Formation End Depth:</b>			263		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053989		
<b>Layer:</b>			13		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			32		
<b>Most Common Material:</b>			PEA GRAVEL		
<b>Mat2:</b>			05		
<b>Other Materials:</b>			CLAY		
<b>Mat3:</b>			84		
<b>Other Materials:</b>			SILTY		
<b>Formation Top Depth:</b>			231		
<b>Formation End Depth:</b>			237		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053992		
<b>Layer:</b>			16		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			17		
<b>Most Common Material:</b>			SHALE		

<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>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		263			
<b>Formation End Depth:</b>		306			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053978			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		1			
<b>Formation End Depth:</b>		14			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053980			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		32			
<b>Other Materials:</b>		PEA GRAVEL			
<b>Mat3:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Formation Top Depth:</b>		52			
<b>Formation End Depth:</b>		82			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053981			
<b>Layer:</b>		5			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		82			
<b>Formation End Depth:</b>		88			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053982			
<b>Layer:</b>		6			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		32			
<b>Other Materials:</b>		PEA GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		88			
<b>Formation End Depth:</b>		90			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053987			
<b>Layer:</b>		11			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			08		
<b>Most Common Material:</b>			FINE SAND		
<b>Mat2:</b>			09		
<b>Other Materials:</b>			MEDIUM SAND		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			187		
<b>Formation End Depth:</b>			202		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053977		
<b>Layer:</b>			1		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			02		
<b>Most Common Material:</b>			TOPSOIL		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			0		
<b>Formation End Depth:</b>			1		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053990		
<b>Layer:</b>			14		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>			10		
<b>Other Materials:</b>			COARSE SAND		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			237		
<b>Formation End Depth:</b>			258		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053983		
<b>Layer:</b>			7		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			29		
<b>Most Common Material:</b>			FINE GRAVEL		
<b>Mat2:</b>			05		
<b>Other Materials:</b>			CLAY		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			90		
<b>Formation End Depth:</b>			97		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>			932053988		
<b>Layer:</b>			12		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			08		
<b>Most Common Material:</b>			FINE SAND		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			202		
<b>Formation End Depth:</b>			231		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053984			
<b>Layer:</b>		8			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		97			
<b>Formation End Depth:</b>		101			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964906507			
<b>Method Construction Code:</b>		0			
<b>Method Construction:</b>		Not Known			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10869642			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					

<a href="#">10</a>	1 of 1	S/104.4	297.9 / -0.64	lot 27 con 8 ON	WWIS
<b>Well ID:</b>		4906508		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Municipal		<b>Date Received:</b> 12/9/1986	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> Yes	
<b>Final Well Status:</b>		Test Hole		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 2517	
<b>Casing Material:</b>				<b>Form Version:</b> 1	
<b>Audit No:</b>		NA		<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> PEEL	
<b>Elevation (m):</b>				<b>Municipality:</b> CALEDON TOWN (ALBION)	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 027	
<b>Well Depth:</b>				<b>Concession:</b> 08	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> CON	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		10321073		<b>Elevation:</b> 297.24	
<b>DP2BR:</b>		111		<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 17	
<b>Code OB:</b>		h		<b>East83:</b> 593752.4	
<b>Code OB Desc:</b>		Mixed in a Layer		<b>Org CS:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole:				North83:	4868528
Cluster Kind:				UTMRC:	5
Date Completed:	17-SEP-85			UTMRC Desc:	margin of error : 100 m - 300 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:		932054006			
Layer:		14			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		263			
Formation End Depth:		273			
Formation End Depth UOM:		ft			
Formation ID:		932054000			
Layer:		8			
Color:					
General Color:					
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		126			
Formation End Depth:		171			
Formation End Depth UOM:		ft			
Formation ID:		932053998			
Layer:		6			
Color:					
General Color:					
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		91			
Formation End Depth:		111			
Formation End Depth UOM:		ft			
Formation ID:		932054001			
Layer:		9			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					

<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>Other Materials:</b>					
<b>Formation Top Depth:</b>			171		
<b>Formation End Depth:</b>			201		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932054004</b>					
<b>Layer:</b>			12		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			09		
<b>Most Common Material:</b>			MEDIUM SAND		
<b>Mat2:</b>			10		
<b>Other Materials:</b>			COARSE SAND		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			235		
<b>Formation End Depth:</b>			256		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932053997</b>					
<b>Layer:</b>			5		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			86		
<b>Formation End Depth:</b>			91		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932053994</b>					
<b>Layer:</b>			2		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			13		
<b>Formation End Depth:</b>			34		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932053995</b>					
<b>Layer:</b>			3		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			34		
<b>Formation End Depth:</b>			67		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID: 932053999</b>					
<b>Layer:</b>			7		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			05		



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		18			
<b>Other Materials:</b>		SANDSTONE			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		111			
<b>Formation End Depth:</b>		126			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054002			
<b>Layer:</b>		10			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Formation Top Depth:</b>		201			
<b>Formation End Depth:</b>		227			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054003			
<b>Layer:</b>		11			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		227			
<b>Formation End Depth:</b>		235			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053996			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		11			
<b>Other Materials:</b>		GRAVEL			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		67			
<b>Formation End Depth:</b>		86			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932054005			
<b>Layer:</b>		13			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		30			
<b>Most Common Material:</b>		MEDIUM GRAVEL			
<b>Mat2:</b>		09			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		256			
<b>Formation End Depth:</b>		263			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932053993			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		13			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964906508			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10869643			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930529783			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		244			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933359986			
<b>Layer:</b>		1			
<b>Slot:</b>		002			
<b>Screen Top Depth:</b>		243			
<b>Screen End Depth:</b>		248			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994906508			
<b>Pump Set At:</b>					
<b>Static Level:</b>		46			
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		125			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:	1				
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		N			
<b><u>Water Details</u></b>					
Water ID:		933794484			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		244			
Water Found Depth UOM:		ft			

<u>11</u>	1 of 1	WNW/109.5	302.9 / 4.41	lot 29 con 8 ON	WWIS
Well ID:	4903184			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/8/1969
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3414
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	CALEDON TOWN (ALBION)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	029
Well Depth:				Concession:	08
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

**Bore Hole Information**

Bore Hole ID:	10318024	Elevation:	305.01
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	593274.4
Code OB Desc:	Overburden	Org CS:	
Open Hole:		North83:	4869243
Cluster Kind:		UTMRC:	4
Date Completed:	06-JAN-69	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock  
Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932040670			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		35			
<b>Formation End Depth:</b>		80			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932040671			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		80			
<b>Formation End Depth:</b>		106			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932040673			
<b>Layer:</b>		5			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		178			
<b>Formation End Depth:</b>		180			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932040669			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		35			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932040674			
<b>Layer:</b>		6			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		08			
<b>Most Common Material:</b>		FINE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			180		
<b>Formation End Depth:</b>			184		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>		932040676			
<b>Layer:</b>		8			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		10			
<b>Most Common Material:</b>		COARSE SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			186		
<b>Formation End Depth:</b>			187		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>		932040672			
<b>Layer:</b>		4			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			106		
<b>Formation End Depth:</b>			178		
<b>Formation End Depth UOM:</b>			ft		
<b>Formation ID:</b>		932040675			
<b>Layer:</b>		7			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>			184		
<b>Formation End Depth:</b>			186		
<b>Formation End Depth UOM:</b>			ft		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964903184			
<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>		10866594			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b> 930525411					
<b>Layer:</b> 1					
<b>Material:</b> 1					
<b>Open Hole or Material:</b> STEEL					
<b>Depth From:</b>					
<b>Depth To:</b> 184					
<b>Casing Diameter:</b> 6					
<b>Casing Diameter UOM:</b> inch					
<b>Casing Depth UOM:</b> ft					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b> 933359300					
<b>Layer:</b> 1					
<b>Slot:</b> 014					
<b>Screen Top Depth:</b> 184					
<b>Screen End Depth:</b> 187					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b> ft					
<b>Screen Diameter UOM:</b> inch					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b> 994903184					
<b>Pump Set At:</b>					
<b>Static Level:</b> 75					
<b>Final Level After Pumping:</b> 160					
<b>Recommended Pump Depth:</b> 175					
<b>Pumping Rate:</b> 5					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b> 5					
<b>Levels UOM:</b> ft					
<b>Rate UOM:</b> GPM					
<b>Water State After Test Code:</b> 2					
<b>Water State After Test:</b> CLOUDY					
<b>Pumping Test Method:</b> 1					
<b>Pumping Duration HR:</b> 3					
<b>Pumping Duration MIN:</b> 0					
<b>Flowing:</b> N					
<b><u>Water Details</u></b>					
<b>Water ID:</b> 933791200					
<b>Layer:</b> 2					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 187					
<b>Water Found Depth UOM:</b> ft					
<b>Water ID:</b> 933791199					
<b>Layer:</b> 1					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 30					
<b>Water Found Depth UOM:</b> ft					
<a href="#">12</a>	1 of 1	ENE/134.7	304.9 / 6.36	C B Mould Services Inc. 76 McGuire Trail Palgrave ON L7E 0E3	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Established:</b>					
<b>Plant Size (ft²):</b>					
<b>Employment:</b>					
<b>--Details--</b>					
<b>Description:</b>		Industrial Mould Manufacturing			
<b>SIC/NAICS Code:</b>		333511			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
<b>SIC/NAICS Code:</b>		334512			
<b>Description:</b>		Industrial Mould Manufacturing			
<b>SIC/NAICS Code:</b>		333511			
<b>Description:</b>		Machine Shops			
<b>SIC/NAICS Code:</b>		332710			
<b>Description:</b>		Metal Tank (Heavy Gauge) Manufacturing			
<b>SIC/NAICS Code:</b>		332420			
<b>Description:</b>		All Other General-Purpose Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333990			

<u>13</u>	1 of 1	WNW/154.5	304.9 / 6.42	lot 29 con 8 ON	WWIS
<b>Well ID:</b>	4903679			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	9/20/1971
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	5206
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	029
<b>Well Depth:</b>				<b>Concession:</b>	08
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10318512			<b>Elevation:</b>	304.79
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>	o			<b>East83:</b>	593199.4
<b>Code OB Desc:</b>	Overburden			<b>Org CS:</b>	
<b>Open Hole:</b>				<b>North83:</b>	4869223
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	08-AUG-71			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		932042615			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		95			
<b>Formation End Depth:</b>		143			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932042614			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		95			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932042616			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		143			
<b>Formation End Depth:</b>		158			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964903679			
<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>		10867082			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>			930526074		
<b>Layer:</b>			1		
<b>Material:</b>			1		
<b>Open Hole or Material:</b>			STEEL		
<b>Depth From:</b>					
<b>Depth To:</b>			154		
<b>Casing Diameter:</b>			5		
<b>Casing Diameter UOM:</b>			inch		
<b>Casing Depth UOM:</b>			ft		
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>			933359410		
<b>Layer:</b>			1		
<b>Slot:</b>			010		
<b>Screen Top Depth:</b>			154		
<b>Screen End Depth:</b>			158		
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>			ft		
<b>Screen Diameter UOM:</b>			inch		
<b>Screen Diameter:</b>			4		
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>			994903679		
<b>Pump Set At:</b>					
<b>Static Level:</b>			92		
<b>Final Level After Pumping:</b>			130		
<b>Recommended Pump Depth:</b>			140		
<b>Pumping Rate:</b>			20		
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>			8		
<b>Levels UOM:</b>			ft		
<b>Rate UOM:</b>			GPM		
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>			2		
<b>Pumping Duration HR:</b>			6		
<b>Pumping Duration MIN:</b>			0		
<b>Flowing:</b>			N		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934785556		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			45		
<b>Test Level:</b>			92		
<b>Test Level UOM:</b>			ft		
<b>Pump Test Detail ID:</b>			935050472		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			60		
<b>Test Level:</b>			92		
<b>Test Level UOM:</b>			ft		
<b>Pump Test Detail ID:</b>			934256883		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			92		
<b>Test Level UOM:</b>			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pump Test Detail ID:</b>		934531415			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		92			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933791719			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		142			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">14</a>	1 of 1	NNW/183.5	300.8 / 2.25	lot 29 con 8 ON	WWIS
<b>Well ID:</b>		4909420		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b> 1	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b> 6/2/2004	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> Yes	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 6915	
<b>Casing Material:</b>				<b>Form Version:</b> 2	
<b>Audit No:</b>		264602		<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b> PEEL	
<b>Elevation (m):</b>				<b>Municipality:</b> CALEDON TOWN (ALBION)	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b> 029	
<b>Well Depth:</b>				<b>Concession:</b> 08	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b> CON	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>		11099362		<b>Elevation:</b> 301.02	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 17	
<b>Code OB:</b>		o		<b>East83:</b> 593474.5	
<b>Code OB Desc:</b>		Overburden		<b>Org CS:</b>	
<b>Open Hole:</b>				<b>North83:</b> 4869601	
<b>Cluster Kind:</b>				<b>UTMRC:</b> 9	
<b>Date Completed:</b>		11-JUL-03		<b>UTMRC Desc:</b> unknown UTM	
<b>Remarks:</b>				<b>Location Method:</b> lot	
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 932948754

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Formation Top Depth:</b>		20			
<b>Formation End Depth:</b>		137			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932948753			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Mat3:</b>		28			
<b>Other Materials:</b>		SAND			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		20			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		933246794			
<b>Layer:</b>		1			
<b>Plug From:</b>		2			
<b>Plug To:</b>		20			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964909420			
<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>		11103077			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930834984			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		129			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933407305			
<b>Layer:</b>		1			
<b>Slot:</b>		008			
<b>Screen Top Depth:</b>		129			
<b>Screen End Depth:</b>		136			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		994909420			
<b>Pump Set At:</b>					
<b>Static Level:</b>		87			
<b>Final Level After Pumping:</b>		120			
<b>Recommended Pump Depth:</b>		120			
<b>Pumping Rate:</b>		10			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934527298			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		120			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934780818			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		120			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		935046362			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		120			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934260988			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		120			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934044623			
<b>Layer:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	137				
Water Found Depth UOM:	ft				

<a href="#">15</a>	1 of 1	S/184.9	296.9 / -1.56	lot 27 con 7 ON	WWIS
<b>Well ID:</b>	4900432			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	9/22/1965
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	5203
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	PEEL
<b>Elevation (m):</b>				<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	07
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	10315280	<b>Elevation:</b>	296.38
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	17
<b>Code OB:</b>	o	<b>East83:</b>	593814.4
<b>Code OB Desc:</b>	Overburden	<b>Org CS:</b>	
<b>Open Hole:</b>		<b>North83:</b>	4868473
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	08-AUG-65	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	932030047
<b>Layer:</b>	2
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	09
<b>Most Common Material:</b>	MEDIUM SAND
<b>Mat2:</b>	05
<b>Other Materials:</b>	CLAY
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	59
<b>Formation End Depth:</b>	95
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		932030046			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		59			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		932030048			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		95			
<b>Formation End Depth:</b>		145			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		964900432			
<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>		10863850			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930521372			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		140			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933358990			
<b>Layer:</b>		1			
<b>Slot:</b>		120			
<b>Screen Top Depth:</b>		140			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth:		144			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		994900432			
Pump Set At:					
Static Level:		63			
Final Level After Pumping:		70			
Recommended Pump Depth:		100			
Pumping Rate:		20			
Flowing Rate:					
Recommended Pump Rate:		8			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		8			
Pumping Duration MIN:		0			
Flowing:		N			
<b><u>Water Details</u></b>					
Water ID:		933788386			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		95			
Water Found Depth UOM:		ft			

<a href="#">16</a>	1 of 1	W/192.5	307.4 / 8.93	lot 29 con 7 ON	WWIS
Well ID:	7277128			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	12/15/2016
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4645
Casing Material:				Form Version:	7
Audit No:	Z246204			Owner:	
Tag:	A196847			Street Name:	
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	CALEDON TOWN (ALBION)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	029
Well Depth:				Concession:	07
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1006306760			Elevation:	308.18
DP2BR:				Elevrc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>				<b>East83:</b>	593098
<b>Code OB Desc:</b>				<b>Org CS:</b>	UTM83
<b>Open Hole:</b>				<b>North83:</b>	4869156
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>		19-OCT-16	<b>UTMRC Desc:</b>		margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006334120  
**Layer:** 3  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:** 77  
**Other Materials:** LOOSE  
**Formation Top Depth:** 4  
**Formation End Depth:** 63  
**Formation End Depth UOM:** ft

**Formation ID:** 1006334118  
**Layer:** 1  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Other Materials:**  
**Mat3:** 85  
**Other Materials:** SOFT  
**Formation Top Depth:** 0  
**Formation End Depth:** 1  
**Formation End Depth UOM:** ft

**Formation ID:** 1006334119  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 06  
**Other Materials:** SILT  
**Mat3:** 85  
**Other Materials:** SOFT  
**Formation Top Depth:** 1  
**Formation End Depth:** 4  
**Formation End Depth UOM:** ft

**Formation ID:** 1006334123  
**Layer:** 6  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND



<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>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>		77			
<b>Other Materials:</b>		LOOSE			
<b>Formation Top Depth:</b>		145			
<b>Formation End Depth:</b>		160			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		1006334121			
<b>Layer:</b>		4			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Other Materials:</b>		SILT			
<b>Mat3:</b>		73			
<b>Other Materials:</b>		HARD			
<b>Formation Top Depth:</b>		63			
<b>Formation End Depth:</b>		93			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		1006334122			
<b>Layer:</b>		5			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>		73			
<b>Other Materials:</b>		HARD			
<b>Formation Top Depth:</b>		93			
<b>Formation End Depth:</b>		145			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1006334138			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		20			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		1006334137			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006334116			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing ID:</b>		1006334128			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-2			
<b>Depth To:</b>		154			
<b>Casing Diameter:</b>		6.25			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006334129			
<b>Layer:</b>		1			
<b>Slot:</b>		12			
<b>Screen Top Depth:</b>		155			
<b>Screen End Depth:</b>		159			
<b>Screen Material:</b>		8			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5.5			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1006334117			
<b>Pump Set At:</b>		150			
<b>Static Level:</b>		86			
<b>Final Level After Pumping:</b>		125			
<b>Recommended Pump Depth:</b>		150			
<b>Pumping Rate:</b>		10			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006334135			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		115			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		1006334130			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		92			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		1006334131			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		95			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		1006334133			
<b>Test Type:</b>		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Test Duration:</b>		4			
<b>Test Level:</b>		109			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		1006334134			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		111			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		1006334132			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		103			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006334127			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		159			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006334125			
<b>Diameter:</b>		8.75			
<b>Depth From:</b>		20			
<b>Depth To:</b>		154			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b>Hole ID:</b>		1006334126			
<b>Diameter:</b>		6.125			
<b>Depth From:</b>		154			
<b>Depth To:</b>		160			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b>Hole ID:</b>		1006334124			
<b>Diameter:</b>		10			
<b>Depth From:</b>		0			
<b>Depth To:</b>		20			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

[17](#) 1 of 1 W/214.3 307.6 / 9.07 lot 29 con 1 Caledon ON [WWIS](#)

<b>Well ID:</b>	7289534	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>		<b>Date Received:</b>	7/5/2017
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Abandoned-Other	<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>		<b>Contractor:</b>	7147
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z254988	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	17654 MT HOPE RD
<b>Construction Method:</b>		<b>County:</b>	PEEL
<b>Elevation (m):</b>		<b>Municipality:</b>	CALEDON TOWN (ALBION)
<b>Elevation Reliability:</b>		<b>Site Info:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Depth to Bedrock:</b>				<b>Lot:</b>	029
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1006602298			<b>Elevation:</b>	308.73
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	17
<b>Code OB:</b>				<b>East83:</b>	593086
<b>Code OB Desc:</b>				<b>Org CS:</b>	UTM83
<b>Open Hole:</b>				<b>North83:</b>	4869178
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>				<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1006644345				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	2				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1006644346				
<b>Layer:</b>	2				
<b>Plug From:</b>	2				
<b>Plug To:</b>	2.5				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1006644347				
<b>Layer:</b>	3				
<b>Plug From:</b>	2.5				
<b>Plug To:</b>	29.8				
<b>Plug Depth UOM:</b>	m				
<b>Plug ID:</b>	1006644348				
<b>Layer:</b>	4				
<b>Plug From:</b>	29.5				
<b>Plug To:</b>	30.4				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1006644344				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Pipe Information</u></b>					
Pipe ID:		1006644338			
Casing No:		0			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		1006644342			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:		0			
Depth To:		30.4			
Casing Diameter:		90			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1006644343			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<b><u>Water Details</u></b>					
Water ID:		1006644341			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		27.4			
Water Found Depth UOM:		m			
<b><u>Hole Diameter</u></b>					
Hole ID:		1006644340			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[18](#)

1 of 1

SSE/223.8

295.9 / -2.58

lot 27 con 8  
ON

WWIS

Well ID: 4903061  
 Construction Date:  
 Primary Water Use: Livestock  
 Sec. Water Use: Domestic  
 Final Well Status: Water Supply  
 Water Type:  
 Casing Material:  
 Audit No:  
 Tag:  
 Construction Method:

Data Entry Status:  
 Data Src: 1  
 Date Received: 11/25/1968  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 4919  
 Form Version: 1  
 Owner:  
 Street Name:  
 County: PEEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				Municipality:	CALEDON TOWN (ALBION)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	027
Well Depth:				Concession:	08
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

**Bore Hole Information**

Bore Hole ID:	10317902	Elevation:	295.42
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	593984.4
Code OB Desc:	Overburden	Org CS:	
Open Hole:		North83:	4868623
Cluster Kind:		UTMRC:	4
Date Completed:	04-OCT-68	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID:	932040258
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
Formation ID:	932040259
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	20
Formation End Depth UOM:	ft

**Method of Construction & Well**

**Use**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Method Construction ID:</b> 964903061					
<b>Method Construction Code:</b> 6					
<b>Method Construction:</b> Boring					
<b>Other Method Construction:</b>					
 <b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 10866472					
<b>Casing No:</b> 1					
<b>Comment:</b>					
<b>Alt Name:</b>					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> 930525222					
<b>Layer:</b> 1					
<b>Material:</b> 3					
<b>Open Hole or Material:</b> CONCRETE					
<b>Depth From:</b>					
<b>Depth To:</b> 20					
<b>Casing Diameter:</b> 36					
<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> 994903061					
<b>Pump Set At:</b>					
<b>Static Level:</b> 13					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b> 18					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b> 1					
<b>Levels UOM:</b> ft					
<b>Rate UOM:</b> GPM					
<b>Water State After Test Code:</b> 1					
<b>Water State After Test:</b> CLEAR					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b> N					
 <b><u>Water Details</u></b>					
<b>Water ID:</b> 933791073					
<b>Layer:</b> 1					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 13					
<b>Water Found Depth UOM:</b> ft					

# Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
----	------------------------	---------	------	--------



# Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

# Appendix: Database Descriptions

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

## **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

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

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

## **Aggregate Inventory:**

Provincial [AGR](#)

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

**Government Publication Date: Up to Sep 2017**

## **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-Nov 2016**

## **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, 2018**

## **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\***

**Commercial Fuel Oil Tanks:**

Provincial **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

**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, 2018**

**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 31, 2012**

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

Provincial **COAL**

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

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

**Compliance and Convictions:**

Provincial **CONV**

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

**Government Publication Date: 1989-Nov 2017**

**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-Apr 30, 2018**

**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-Nov 30, 2017**

**Dry Cleaning Facilities:**

Federal **DRYCLEANERS**

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 2016**

**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-May 31, 2018**

**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-Apr 30, 2018**

**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-May 31, 2018**

**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-Feb 28, 2018**

**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**

**List of TSSA Expired Facilities:**

Provincial **EXP**

List of facilities with removed tanks which were once 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 automatically fall under the expired facilities inventory held by TSSA.

**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-Mar 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 2017**

**Fuel Storage Tank:**

Provincial

FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

**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-December 31, 2017**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

GHG

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

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

**TSSA Historic Incidents:**

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**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](#)

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, 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. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**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: Dec 31, 2013**

**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\***

**Environmental Penalty Annual Report:**

Provincial [MISA PENALTY](#)

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, 2017**

**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 2018**

**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, 2016**

**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-Aug 2010**

**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-Mar 31, 2018**

**National Energy Board Wells:**

Federal

NEBW

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

OGW

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-April 30, 2018**

**Ontario Oil and Gas Wells:**

Provincial

OGGW

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

**Government Publication Date: 1800-Oct 2017**

**Inventory of PCB Storage Sites:**

Provincial [OPCB](#)

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

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

**Orders:**

Provincial [ORD](#)

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

**Government Publication Date: 1994-Apr 30, 2018**

**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-Mar 2018**

**TSSA Pipeline Incidents:**

Provincial [PINC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**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-Apr 30, 2018**

**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-Apr 2018**

**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, 2018**

**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 2018**

**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 2017**

**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.

**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-May 31, 2018**

**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 D

**SIRATI** & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions

**From:** Public Information Services <publicinformationservices@tssa.org>  
**Sent:** July 16, 2018 4:49 PM  
**To:** nsajdeh@spconsultantsltd.ca  
**Subject:** RE: Request Information

## **No Records Found**

Hello,

Thank you for your request for confirmation of public information.

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

For copies of documents, please complete the Release of Public Information form, found at <https://www.tssa.org/en/about-tssa/resources/Release-of-Records-form--Jan-2018Final.pdf> and email the completed form to [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org) or through mail along with the appropriate fee. TSSA's fee schedule can be found at: [https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule\\_Jan\\_2018.pdf](https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule_Jan_2018.pdf). Fees are payable with a credit card (Visa or MasterCard) or by a cheque made payable to TSSA.

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

Kind regards,

Connie

**From:** Nazanin Sajdeh <[nsajdeh@spconsultantsltd.ca](mailto:nsajdeh@spconsultantsltd.ca)>  
**Sent:** July 16, 2018 11:31 AM  
**To:** Public Information Services <[publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)>  
**Subject:** Request Information

Good morning,

Could you please check the following addresses for any storage tanks?

- 17791, 17603, 17639 , 17590 , 17554 Mount Hope Road, Caledon

Thanks,

**NAZ SAJDEH, P.Geol.**  
**Environmental Project Manager**



Geotechnical Hydrogeological & Environmental Solutions

**T:** 905 833 1582 Ext. 228

Ministry of the Environment,  
Conservation and Parks

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



Freedom of Information and  
Protection of Privacy Office

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

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

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

August 28, 2018

Naz Sajdeh  
Sirati & Partners Consultants Limited  
12700 Keele Street  
King City, ON L7B 1H5

Dear Naz Sajdeh:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-05298, Your Reference SP18-334-20-01**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 17791 Mount Hope Road, Caledon.

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

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

If you have any questions regarding this matter, please contact Christine Gorman at (416) 314-4075.

Yours truly,

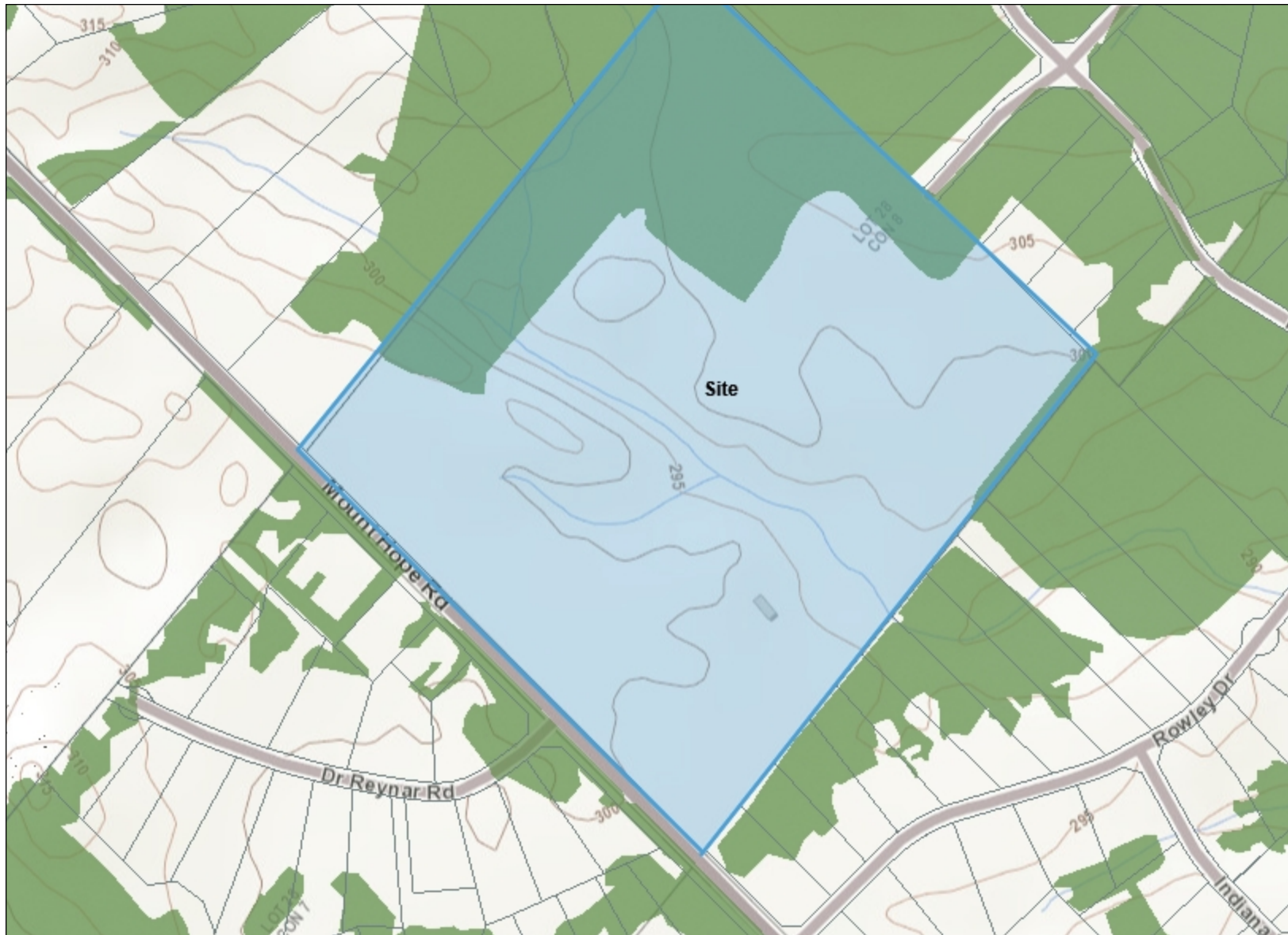
A handwritten signature in blue ink that reads "Christine Gorman".

*Gov*  
Janet Dadufalza  
FOI Manager

# APPENDIX E

**SIRATI** & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions



**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
    - Paigrave Estates Residential Community
    - Settlement Area



Scale: 1 : 9,027



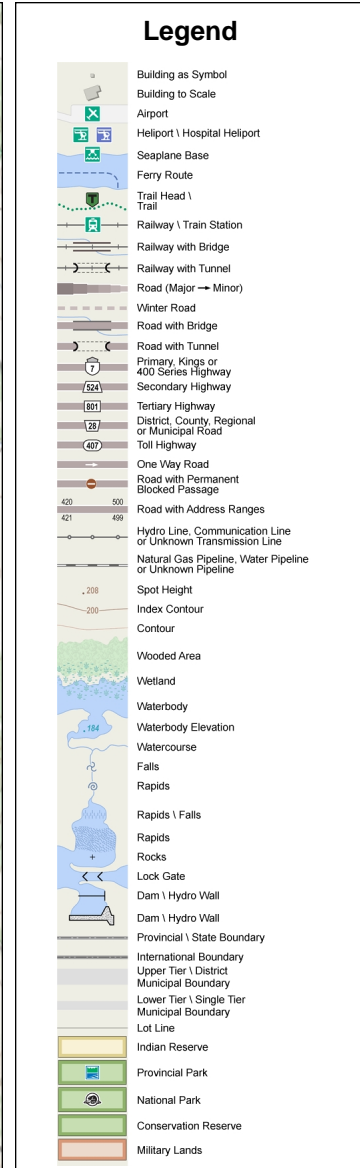
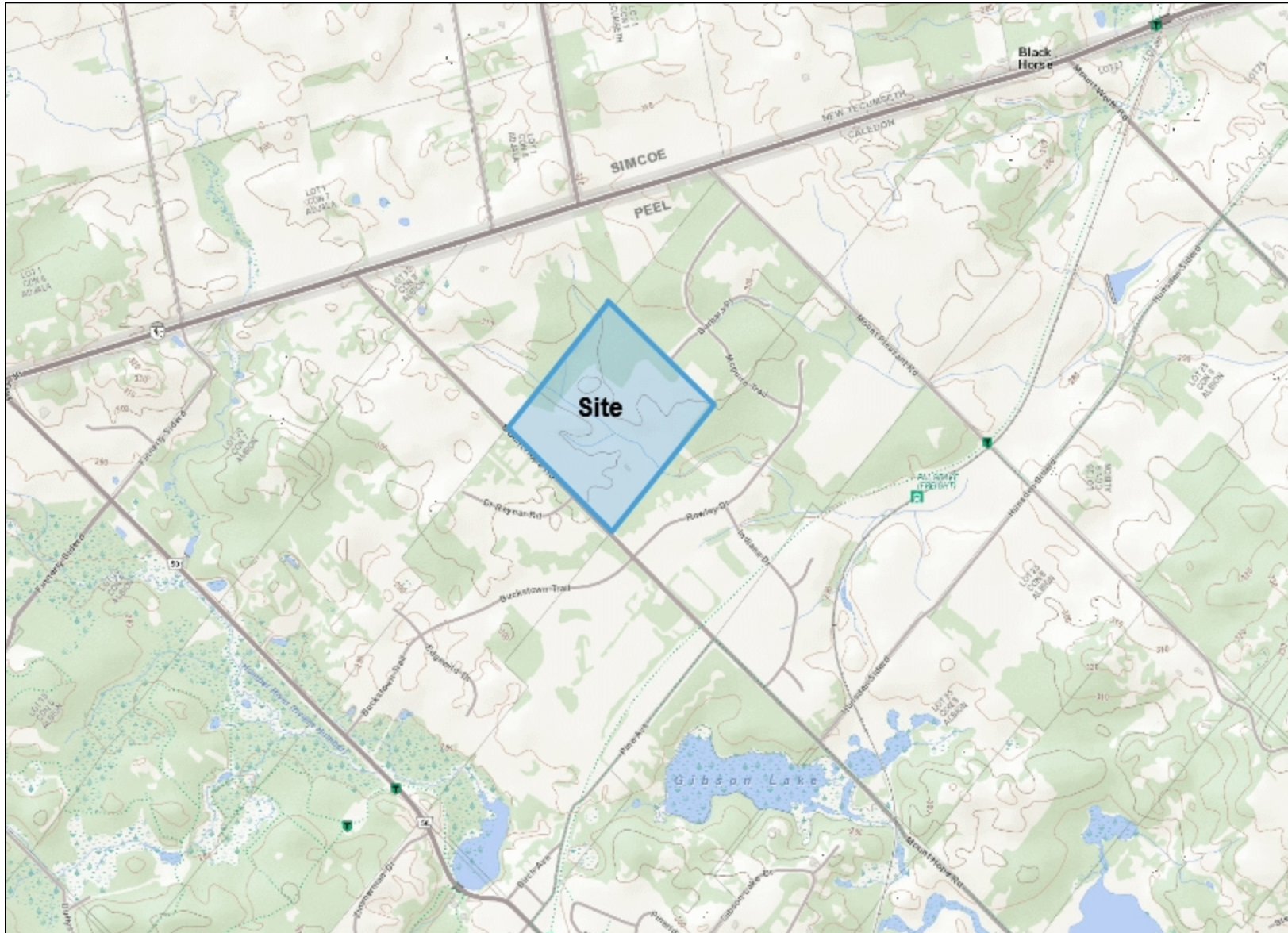
This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry(OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

Imagery Copyright Notices: DRAPE © Aéro-Photo (1961) Inc., 2008 - 2009  
 GTA 2005 / SWOOP 2006 / Simcoe-Muskoka-Dufferin © FirstBase Solutions, 2005 / 2006 / 2008

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Projection: Web Mercator

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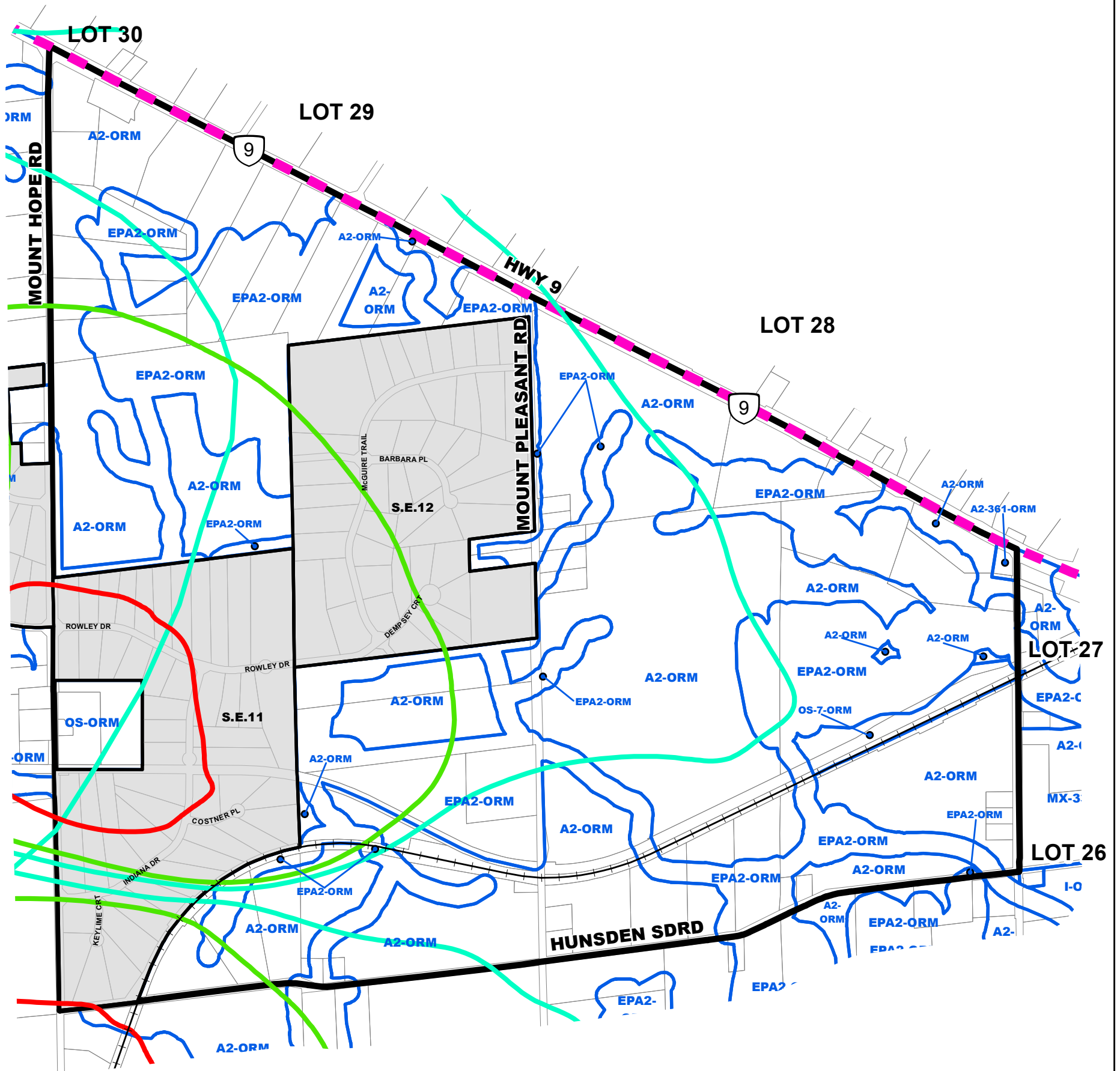
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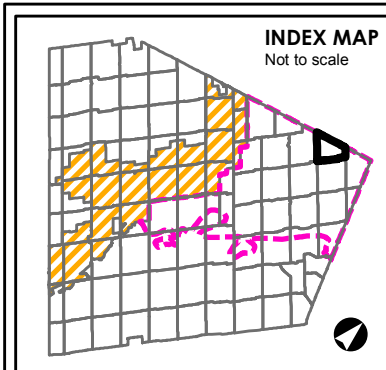


CON. 8 (ALB)

CON. 9 (ALB)



This copy is provided for convenience only. If necessary, the original may be referred to in the office of the Town Clerk.



<p><b>A2 ZONE SYMBOL</b></p> <p><b>A2-### ZONE SYMBOL</b> Note: Number of suffixes represent Exceptions which can be looked up in the Exceptions section of the By-law.</p> <p><b>ZONE BOUNDARY</b></p> <p><b>STRUCTURAL ENVELOPE MAP</b></p>	<p><b>NIAGARA ESCARPMENT DEVELOPMENT CONTROL AREA</b> Lands lying within the Development Control area pursuant to the Niagara Planning and Development Act are subject to permit requirements under Ontario Regulations 685/50, as amended.</p> <p><b>OAK RIDGES MORAINÉ CONSERVATION PLAN AREA BOUNDARY</b></p> <p><b>WELLHEAD PROTECTION AREA BOUNDARY</b> WP-2    WP-5    WP-10    WP-25 Zone Maps amended to indicate the 2, 5, 10, and 25 year Wellhead Protection Areas.</p>
---	--

The base data on this map is provided for convenience only. The Town of Caledon is not responsible for any deficiency or inaccuracy in the base data, and will not accept any liability whatsoever therefor. The reproduction of the base data, in whole or in part, by any means is prohibited without the prior written permission of the Town of Caledon.

BY-LAW 2006-50  
**ZONE MAP 55**  
SCHEDULE "A"

0 140 280 560 m

TOWN OF CALEDON

Date: 3 April 2006      Revised: March 24, 2016

File: S:\POLICY SECTION\GIS\zoning\_bylaw\2015\_mxd

**55**



**Well Head Protection Zone**

- 100m Year Groundwater Travel Time
- 2 Year Groundwater Travel Time
- 5 Year Groundwater Travel Time
- 10 Year Groundwater Travel Time
- 25 Year Groundwater Travel Time
- Intake Protection Zone
- Significant Groundwater Recharge Area

**Well Head Vulnerability Scoring**

- 10
- 8
- 6
- 4
- 2
- Intake Protection Zone
- Significant Groundwater Recharge Area
- Highly Vulnerable Aquifer

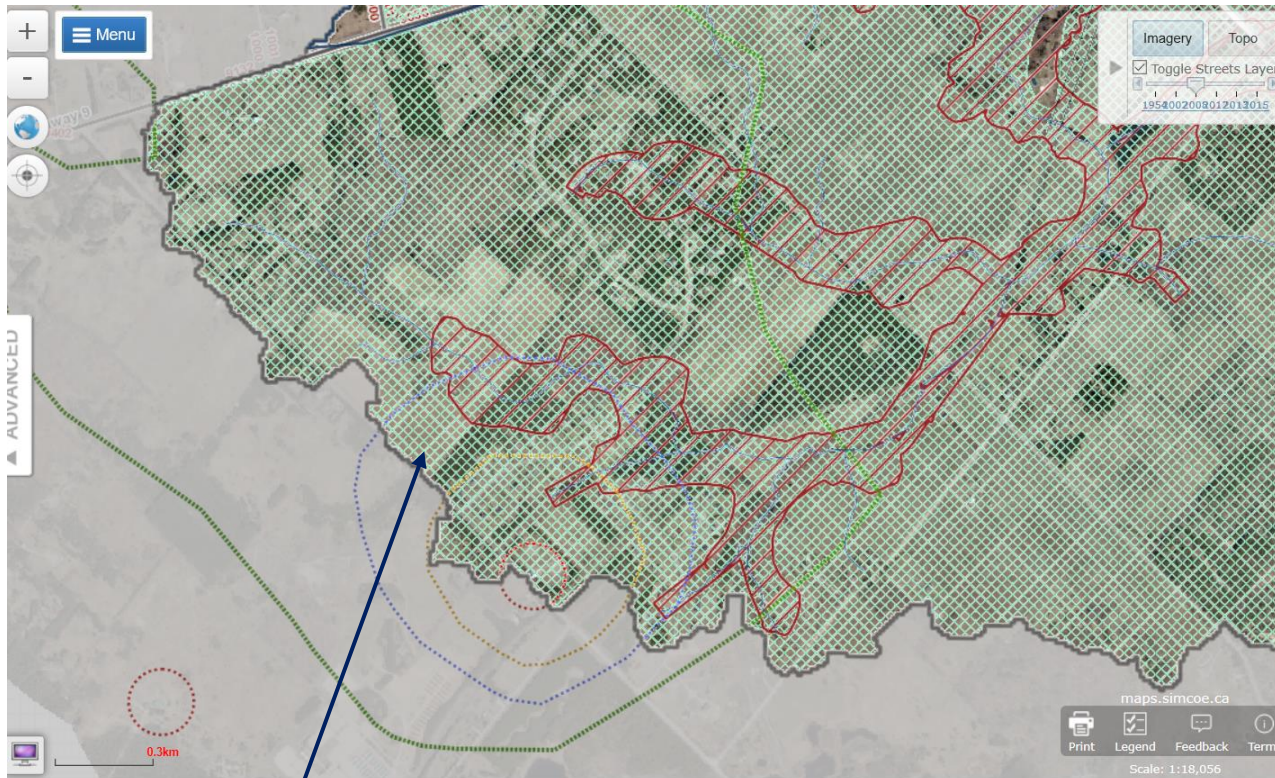
Show All Legend It

**Nvca Regulated Areas**

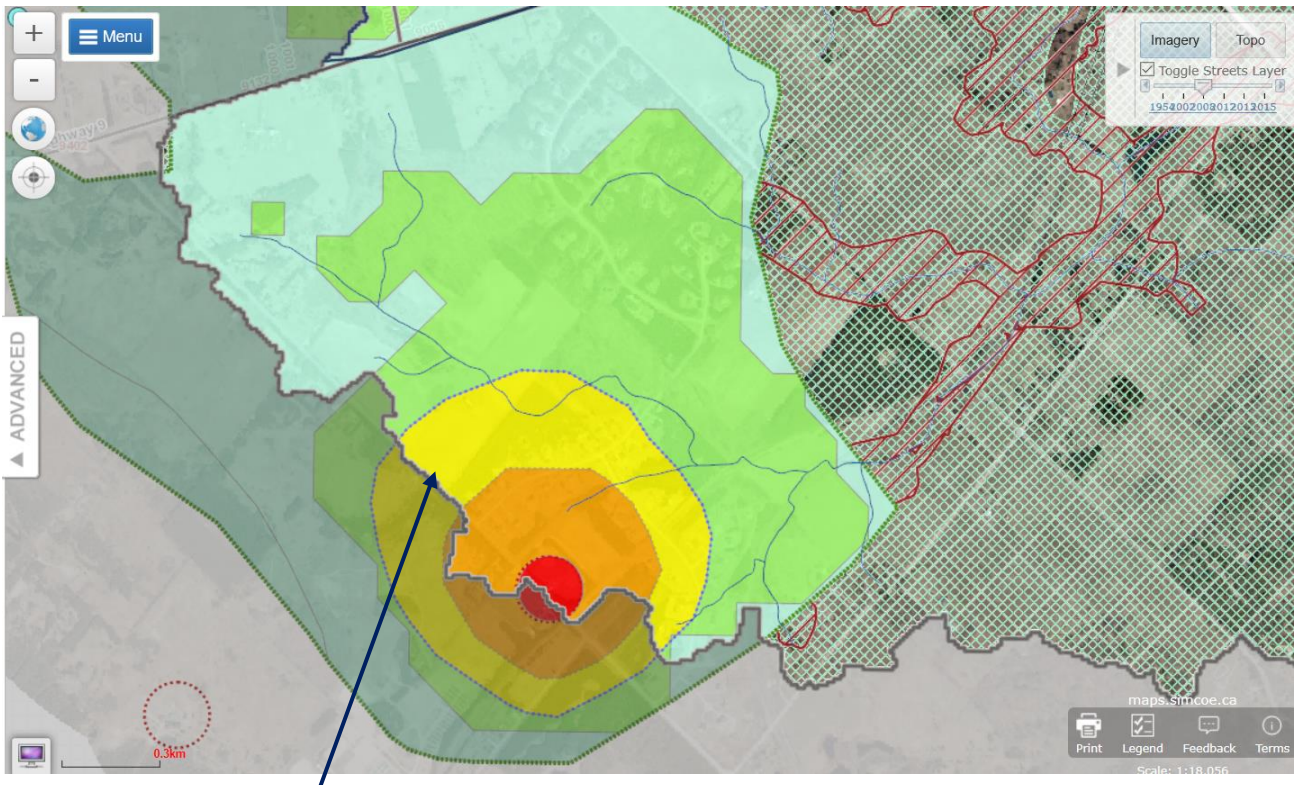
- NVCA Regulated Area

**Source Water Protection Vulnerability Mapping**

- Highly Vulnerable Aquifer

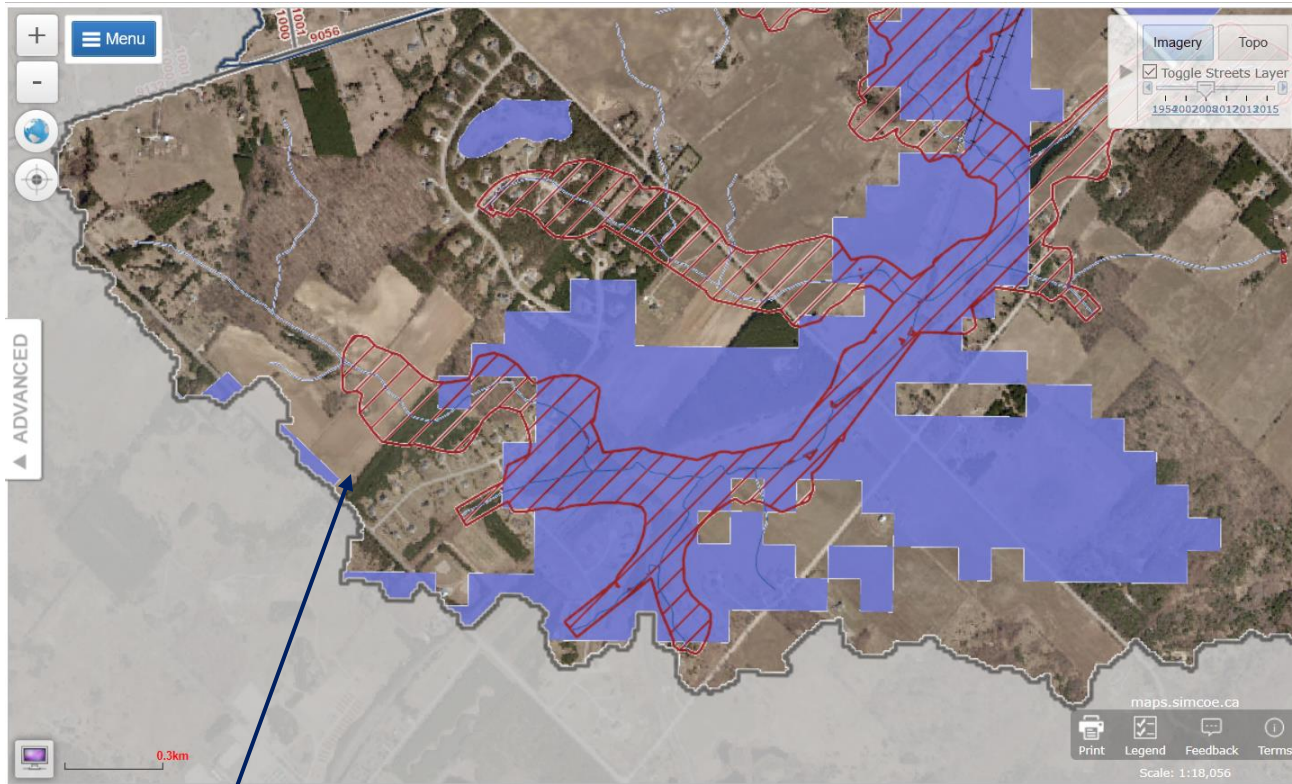


Approximate Site location



Approximate Site Location





Approximate Site Location

# APPENDIX F





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360



**Legend:**  
— Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-1951

**Scale:**  
0m 100m 200m

**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 1





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360

North:



Legend:

 Property Boundary

Project Title:

Phase One Environmental Site Assessment

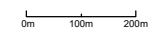
Site Location:

17791 Mount Hope Road, Caledon, ON

Figure Title:

Aerial Photo-1964

Scale:



Project Number:

SP18-334-20

Date:

December 2018

Appendix F:

Figure 2






# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360



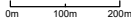
**Legend:**

 Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-1976

**Scale:**  


**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 3





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360



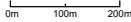
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 Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-1995

**Scale:**  


**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 4





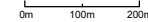
**Legend:**

 Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-2005

**Scale:**  


**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 5





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360



**Legend:**

— Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-2006

**Scale:**  
0m 100m 200m

**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 6





**Legend:**

— Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-2013

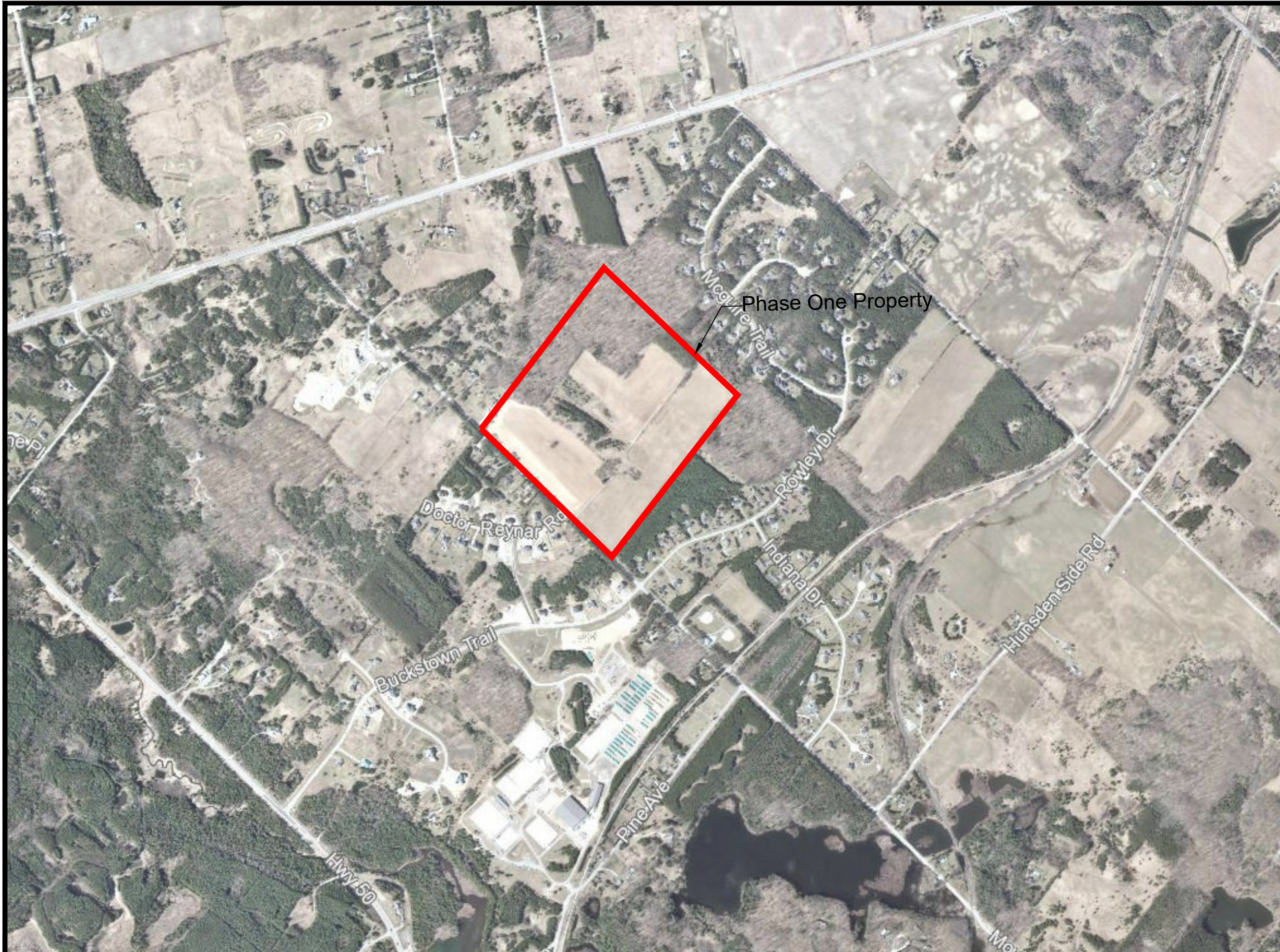
**Scale:**  
0m 100m 200m

**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 7





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON, L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360

North:



Legend:

— Property Boundary

Project Title:

Phase One Environmental Site Assessment

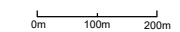
Site Location:

17791 Mount Hope Road, Caledon, ON

Figure Title:

Aerial Photo-2015

Scale:



Project Number:

SP18-334-20

Date:

December 2018

Appendix F:

Figure 8





# SIRATI & PARTNERS

Geotechnical Hydrogeological & Environmental Solutions  
12700- Keele Street  
King City, ON. L7B 1H5  
Phone# 905 833 1582, Fax# 905 833 5360



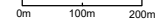
**Legend:**

 Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-2016

**Scale:**  


**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 9





**Legend:**

— Property Boundary

**Project Title:**  
Phase One Environmental Site Assessment

**Site Location:**  
17791 Mount Hope Road, Caledon, ON

**Figure Title:**  
Aerial Photo-2017

**Scale:**  
0m 100m 200m

**Project Number:**  
SP18-334-20

**Date:**  
December 2018

**Appendix F:**  
Figure 10



# APPENDIX G



# ALBION.

Scale - 50 Ch<sup>s</sup> per Inch

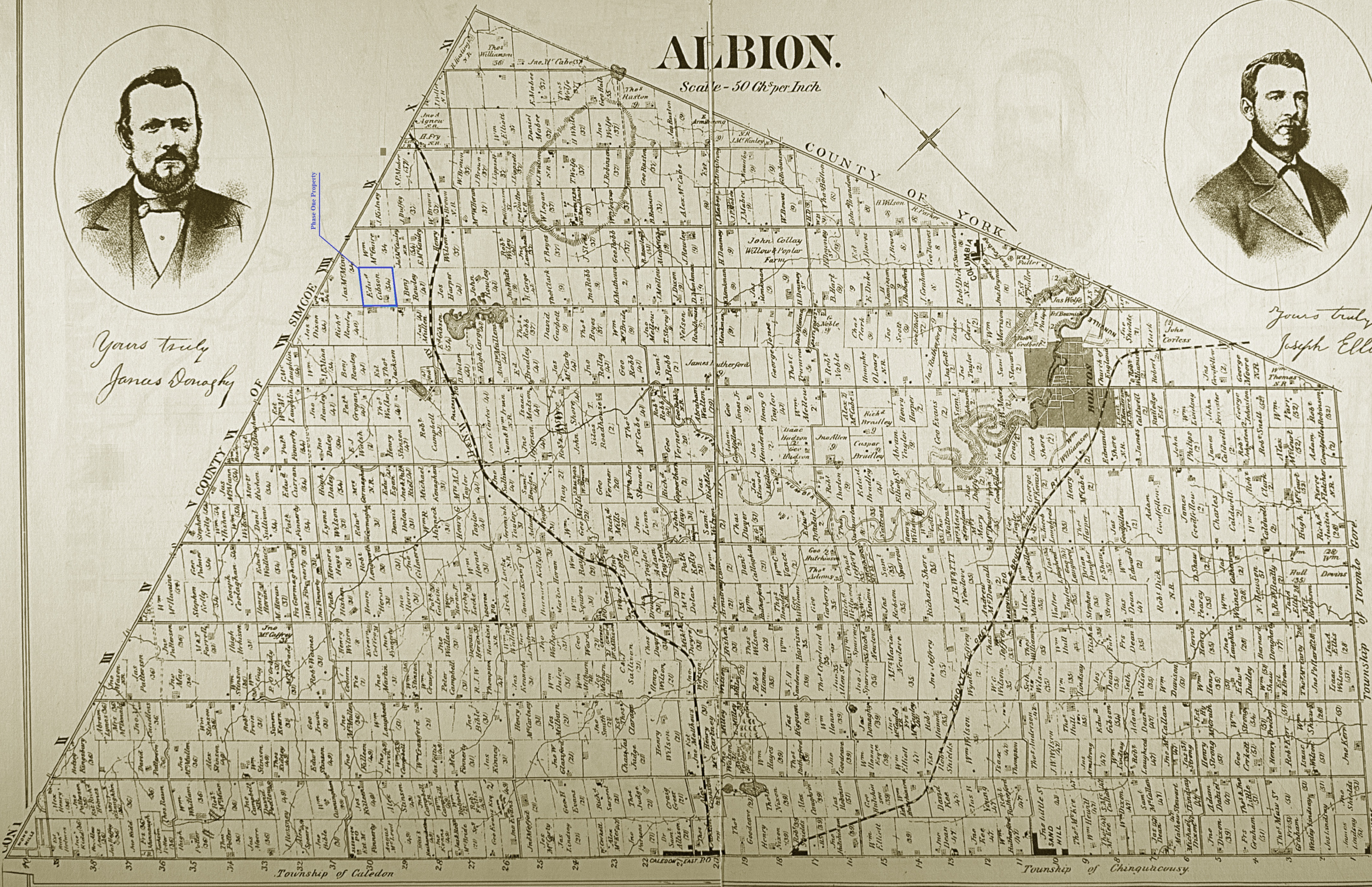
COUNTY OF YORK



Yours truly  
James Donaghy



Yours truly  
Joseph Elliot



Township of Caledon

Township of Chinguicousy

of Toronto

Township

TULLAMORE



# APPENDIX H



Photograph 1

Location: Phase One Property  
Viewing: Northeast  
Description: Entrance to the Phase One Property



Photograph 2

Location: Phase One Property  
Viewing: Southeast  
Description: View of corn field near the entrance area and Mount Hope Road.



Photograph 3

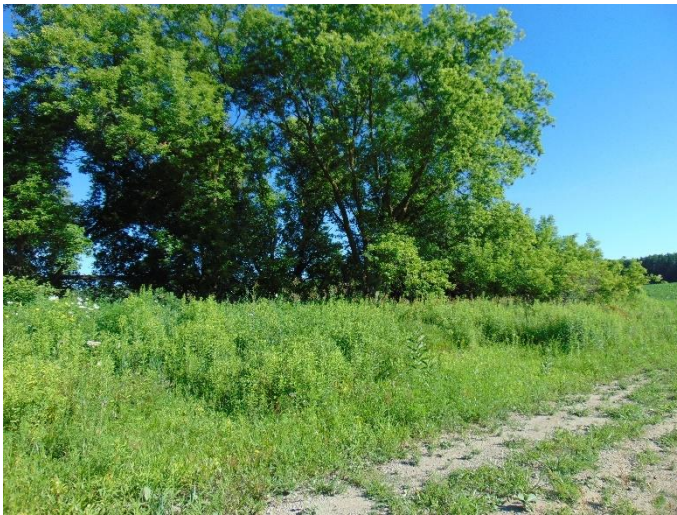
Location: Phase One Property  
Viewing: North  
Description: View of corn field from the entrance of the Phase One Property





Photograph 4

Location: Phase One Property  
Viewing: Southwest  
Description: View of the dirt road and corn field on the Phase One Property (looking to entrance area)



Photograph 5

Location: Phase One Property  
Viewing: North  
Description: View of the area where former shed was located (looking from dirt road)



Photograph 6

Location: Phase One Property  
Viewing: -  
Description: View of the former shed





Photograph 7

Location: Phase One Property  
Viewing: West  
Description: View of the former house area



Photograph 8

Location: Phase One Property  
Viewing: -  
Description: View of the former house area



Photograph 9

Location: Phase One Property  
Viewing: Northeast  
Description: View of the dirt road and corn field, northeast of the former building area





Photograph 10

Location: Phase One Property  
Viewing: Northeast  
Description: View of the approximate location of a dry creek



Photograph 11

Location: Phase One Property  
Viewing: Northeast  
Description: View of corn field in the northeast property boundary area



Photograph 12

Location: Phase One Property  
Viewing: Northwest  
Description: View of intersection of Mount Hope Road and Doctor Reynar Road, and residential building

Photograph 13



Location: Phase One Study Area  
Viewing: East  
Description: View of intersection of Mount Hope Road and Rowley Drive, and residential house (Google Earth Image dated Oct 2016)

Photograph 14



Location: Phase One Study Area  
Viewing: West  
Description: View of intersection of McGuire Trail and Barbara Place, and residential house (Google Earth Image dated Oct 2016)

Photograph 15



Location: Phase One Study Area  
Viewing: East  
Description: View of the adjacent property located at the northwest corner of the Phase One Property (Google Earth Image dated Sept 2011)

# APPENDIX I



Sirati & Partners Consultants Ltd.  
Geotechnical & Environmental Services  
Engineering Solutions



**TABLE OF CURRENT AND PAST USES OF THE PHASE ONE  
PROPERTY**

(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

**17791 Mount Hope Rd, Caledon, ON**

<b>Year</b>	<b>Name of Owner</b>	<b>Description of Property Use</b>	<b>Property Use<sup>1</sup></b>	<b>Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.</b>
Prior to 1830	Crown	Unknown use or undeveloped	Agriculture or other use	No information available
1830 to 1845	James Chewett	Unknown use or undeveloped	Agriculture or other use	No information available
1845 to 1900	Edward Jibson	Residential & Farmland	Residential	Based on 1880 historical map for Albion, the property appeared to be used as a farmland.
1900 to 1920	Hance Anderson Lyons	Residential & Farmland	Residential	No information available
1920 to 1963	John Patterson	Residential & Farmland	Residential	Based on the aerial photo, the property was used as farmland.
1963 to 1969	Mary O'Hearn	Residential & Farmland	Residential	Based on the aerial photo, the property was used as farmland.
June 1969 to October 1969	Steve Tampe & Marianne Tampe	Residential & Farmland	Residential	Based on the aerial photo, the property was used as farmland.

<b>Year</b>	<b>Name of Owner</b>	<b>Description of Property Use</b>	<b>Property Use<sup>1</sup></b>	<b>Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.</b>
1969 to 1972	Angelo Triumbari & Pietro Crupi	Residential & Farmland	Residential	Based on the aerial photo, the property was used as farmland.
1972 to 2009	Pietro Crupi & Giuseppe Triumbari	Residential & Farmland	Residential	Based on the aerial photo, the property was used as farmland.
2009 to Present	Pietro Crupi, Giuseppe Triumbari, & Maria Teresa Triumbari	Farmland	Residential	Based on the aerial photo, the property was used as farmland.

Notes:

1 - for each owner, specify one of the following types of property use (as defined in O. Reg. 153/04) that applies:

Agriculture or other use

Commercial use

Community use

Industrial use

Institutional use Parkland use Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

*\*\*Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le ministère matière de changement climatique de l'Environnement et de l'Action en au 1-800-461-629*