



Phase One Environmental Site Assessment

**The Manors of Belfountain Corp.
Part of Lot 9, Concession 5 W.H.S.,
PIN 14267 – 0047 and Part PIN 14267 - 0114
Belfountain, Town of Caledon, Ontario**

Client

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Project Number

BRM-00603505-D0

Prepared By:

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Date Submitted

December 06, 2017

The Manors of Belfountain Corporation

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Legal Notification

This report was prepared by **exp** Services Inc. for the account of The Manors of Belfountain Corporation.

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1. Executive Summary

Exp Services Inc. (**exp**) was retained by Mr. John Spina c/o The Manors of Belfountain Corporation (the Client) to complete a Phase One Environmental Site Assessment (ESA) of the undeveloped property designated as Part of Lot 9, Concession 5 West of Hurontario Street (W.H.S.), being PIN 14267 – 0047 and Part of PIN 14267 - 0114, Belfountain, Town of Caledon, Ontario, hereinafter referred to as the 'Site'. The objective of the investigation was to identify areas of potential environmental concerns on the Phase One Property in accordance with Ontario Regulation 153/04 (as amended by Regulation 511/09).

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Appendix A.

The Site occupies an area between Mississauga Road and Shaws Creek Road, approximately 320 m south of Bush Street, in Belfountain, Ontario, as shown on Figure 1. The Site is irregular in shape and occupies an area of approximately 70.3 hectares (~174 acres). The Site is currently undeveloped, consisting of a series of twelve (12) farm fields and a wooded area at the east end. The Site encompasses an area of rolling terrain with a relief of approximately 23 m.

At the time of this investigation, the Site was vacant and undeveloped land parcel, under agricultural land use. An old silo and remnants of former building structure (likely a house or barn) exist in the northeastern portion of the Site. It is understood that a residential subdivision is being proposed for the Site.

Based on the Phase One ESA findings, potential environmental concerns associated with the Site are summarized in the following table:

Area Potential Environmental Concern (APEC)	Media	Potential Contaminants of Concern	Comments	Relative Degree of Environmental Risk
Site				
No APEC Identified on the Phase One Property				

Based on the Phase One ESA findings, and conclusions reached, a Phase Two ESA (i.e. sampling and analysis) is not required before a Record of Site Condition can be submitted to all of the Phase One Property.

Several wells (monitoring wells/exploration wells/ possible former potable water supply well) are present on the Phase One Property. Once no longer required, all wells must be decommissioned by a licensed well driller prior to development. Also, any surficial debris associated with the remnants of former building structures within the northeastern portion of the Site should be removed.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

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2. Introduction

Exp Services Inc. (**exp**) was retained by Mr. John Spina c/o The Manors of Belfountain Corporation (the Client) to complete a Phase One Environmental Site Assessment (ESA) of the undeveloped property designated as Part of Lot 9, Concession 5 West of Hurontario Street (W.H.S.), being PIN 14267 – 0047 and Part of PIN 14267 - 0114, Belfountain, Town of Caledon, Ontario, hereinafter referred to as the 'Site' (Figure 1).

Exp understands that the Client requires this Phase One ESA in support of the municipal approval process for proposed development on the Site and to support the future filing of a Record of Site Condition. Consequently, the objective of this Phase One ESA was to identify potential sources of environmental concern to the Site.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Appendix A.

2.1 Phase One Property Information

The Site occupies an area between Mississauga Road and Shaws Creek Road, approximately 320 m south of Bush Street, in Belfountain, Ontario, as shown on Figure 1. The Site is irregular in shape and occupies an area of approximately 70.3 hectares (~174 acres). The Site is currently undeveloped, consisting of a series of twelve (12) farm fields and a wooded area at the east end. The Site encompasses an area of rolling terrain with a relief of approximately 23 m.

The legal description and Property Identification Numbers (PINs) associated with the Phase One Property is Part of Lot 9, Concession 5 W.H.S., being PIN 14267 – 0047 and Part of PIN 14267 – 0114, Town of Caledon, Ontario.

At the time of this investigation, the Site was vacant and undeveloped land parcel, under agricultural land use. An old silo and remnants of former building structure (likely a house or barn) exist in the northeastern portion of the Site. A survey plan is provided in Appendix B. A site plan is provided as Figure 2.

At the time of this Phase One ESA investigation, the Site was owned by The Manors of Belfountain Corporation who acquired the Phase One Property on June 6, 2017.

3. Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the Site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Limited (ERIS) report for the site and surrounding properties within a 250 metre radius of the property boundaries of the site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the site;
- Obtaining a search of land title and assessment rolls for the site;
- Conducting at least one Site reconnaissance of the site and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated Site representative(s) as a resource for current and historical site information, as well as to provide **exp** staff with unrestricted access to all areas of the Site and Site buildings (as required by O.Reg 153/04);
- Reviewing the current use of the Site and any land use practices that may have impacted its environmental conditions at the Site;
- From the Site and publicly accessible areas, reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Site; and,
- Preparing a report to document the findings.

In completing this scope of work, **exp** did not conduct any intrusive investigations, including sampling, analyses, or monitoring.

Exp has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

Exp personnel who conducted assessment work for this project included Mr. Peter Cosentino, Ms. Aamna Arora and Mr. Simon Lan (QP_{ESA}). An outline of their qualifications is provided in Appendix C.

4. Records Review

4.1 General

4.1.1 Phase One Study Area Determination

The Site is located approximately 320 m south of Bush Street between Mississauga Road and Shaws Creek Road in Belfountain, Town of Caledon, Ontario. The Site is bound by Mississauga Road to the east, Shaws Creek Road to the west, Belfountain Public School and properties under residential and agricultural land use to the north and vacant, undeveloped land parcel to the south. The area north/northeast of the Site is Belfountain Conversation Area along banks of Credit River (Erin Branch).

The Phase One Property falls under Niagara Escarpment Plan (NEP) Provincial Plan. A development permit must be obtained from the Niagara Escarpment Commission (NEC) for proposed land use changes. Zoning information map is provided in Appendix D.

The Phase One Study Area consisted of the neighbourhood extending a distance of 250 metres from the boundaries of the Site. At the time of the Site reconnaissance, land usage within 250 metres of the Site was predominantly a mix of residential, agricultural, institutional (school), community (a church and a cemetery) land use. A land use plan for the adjacent properties is provided as Figure 3.

Given the nature of the historic and current land use of the surrounding properties as well as the anticipated subsurface geological conditions at the Site, it is our opinion that there is no requirement for the Phase One Study Area to include any properties not located, wholly or partly, within 250 metres from the nearest point on a boundary of the Site.

Based on a review of historical aerial photographs and other available records, the Site has never been developed.

4.1.2 First Developed Use Determination

Based on a review of historical aerial photographs, chain of title information, historical maps, and other reviewed records, it appears that majority of the site was never developed in the past with the exception of the northeastern portion which appear to be developed with some residential/farm buildings (about 3) in the past based on aerial photograph review. An old silo and remnants of the former buildings were observed during our site visit within the northeastern portion of the Site.

4.1.3 Fire Insurance Plans

A search of *Canadian Underwriter's Association Fire Insurance Plans* (FIPs) was conducted for the Site and its surrounding and adjacent properties within 250 metres of the Site boundary. No FIPs depicting the Phase One Property or its surrounding or adjacent properties within 250 metres of the Site boundaries were available for review.

4.1.4 Chain of Title

Exp retained Title Search Services to provide chain of title information documenting the ownership of the Site. The Phase One Property is owned by The Manors of Belfountain Corporation and was acquired on June 6, 2017. No potential environmental concerns were identified by our review of previous ownerships. Refer to Appendix F for a complete summary of previous owners

4.2 Environmental Source Information

4.2.1 Federal and Provincial Database Search

A search of provincial and federal databases for records pertaining to the Site and properties within 250 metres was requested by **exp** from EcoLog ERIS in May 2016 and October 2017. **Exp** has confirmed neither the completeness nor the accuracy of the records that were provided in the EcoLog ERIS report. A summary of the more relevant findings is provided below. Refer to the EcoLog ERIS report for a full copy of the records, provided in Appendix G.

Several well records were listed for the site and adjacent properties (Lot 9, Concession 5) which comprised water supply wells for domestic use and observation wells. The site and the study area is not connected to municipal water supply.

Records Pertaining to the Phase One Study Area

Location	Database	Date	Details	Comments
17247 Shaws Creek Road (adjacent to the northwest corner of the Site)	Waste Generator (O.Reg. 347)	2012	Peel District School Board is listed as waste generator with generator #ON9684571 as Educational Support Services.	School operations not considered as contributing any APEC for the Site.
763 Bush Street (address do not exist)	Ontario Spills	7/29/1999	Highland Wells discharged drilling slurry into Belfountain Creek.	No APEC for the Site.
17254 Shaws Creek Rd (200 m northwest of the Site)	Pesticide Register	Not Available	LTD Lawn Care/ Weed Control listed as an "Operator" under the Pesticide register. Based on distance and being located cross gradient with respect to the inferred groundwater flow direction, this property not considered as contributing APEC for the Site.	No APEC for the Site.

Beyond the information listed above, the Ecolog ERIS report identified a total of 63 water wells in the 250 m study radius under the Water Well Information System, with 57 of which being designated as water supply wells and 6 being designated as exploration wells.

4.2.2 Previous Reports

The following previous reports were available for review at the time of this Phase One ESA Study. Information pertinent to this Phase One ESA Study is listed in point form below each report heading:

“Phase I Environmental Site Assessment, Part Lot 9, Concession 5 W.H.S., Pin. 14267 – 0047; Part Pin. 14267 – 0114, Belfountain, Caledon, Ontario”, prepared by **exp** Services Inc., dated May 30, 2014 was reviewed.

All pertinent information from this report has been utilized for the preparation of the current Phase One ESA Report.

“Geotechnical Investigation- Proposed Residential Subdivision, Part of East Half and West Half Lot 9, Concession 5, W.H.S., Belfountain, Caledon, Ontario”, prepared by **exp** Services Inc., dated September 8, 2017 was reviewed.

A total of seven (7) boreholes (BHs 101 through 107) were drilled to depths of 4.6 to 8.2 m below the proposed residential subdivision area. Based on the borehole investigation carried out as part of the geotechnical report, the soil stratigraphy at the site comprised topsoil followed by reworked material underlain by native coarse deposits of sand with some silt and sand & gravel. Soil chemical testing was carried out to assist in the selection of disposal options for excess material to be generated during proposed construction activities including site grading. All of the analytical test results indicate conformance with the MOECC Table 2 -Residential/Parkland/Institutional property use criteria adopted for the Site.

No free water was encountered in any of the seven boreholes at the time of drilling. Also, three monitoring wells installed during this investigation remained dry after an elapsed time of about 10 days.

4.2.3 Municipal Records

Available City Directories dated between 1864 and 1890 and between 1989 and 2001 were reviewed at the Toronto Reference Library in order to identify the occupancy history of the Site and adjacent properties. It is noted that the gap in records between 1890 and 1989 exists due to the fact that no directories referencing the Hamlet of Belfountain were published between the years 1909 and 1987, based on the records kept by the Toronto Reference Library. The City Directories dated 1864, 1869, 1887, and 1890, which were examined in microfiche format, listed properties by concession and lot. These confirmed the findings of the Chain of Title during that time frame and listed surrounding lots and concessions as being under private

ownership. The significant findings from the review of the City Directories dated 1989 to 2001 are summarized below:

Municipal Address	Years Searched	Listings
Concession 5, Lot 9 (Site)	1989, 1991, 1994, 1997, 2000, 2001	<i>No listings available.</i>
17025 to 17249 Mississauga Road Main Street & Old Main Street (north and east of the Site)	Same as above	Various private individuals; Caledon Diesel Service (2000) listed at 17186 Mississauga Road – this occupant name suggests potential contaminating activity. <i>No other listings present any environmental concern</i>
523 to 637 Bush Street (north of the Site)	Same as above	No listings available before 1997. Various private individuals; <i>No listings present any environmental concern.</i>
16978 to 17247 Shaws Creek Road (west of Site)	Same as above	No listings available before 2000. Belfountain Elementary School and Various private individuals; <i>No listings present any environmental concern.</i>
Caledon Mountain Drive and Woodland Court (east of Site)	Same as above	No listings available before 1997. Various private individuals; <i>No listings present any environmental concern.</i>

Discussion over the above listings of concerns:

- Caledon Diesel Service at 17186 Mississauga Road was only found to be present in the City Directory dated 2000 and, upon inspection during **exp's** Site visit, was found to be occupied by a two storey residential building. Furthermore, being located at a distance of approximately 25m

down-gradient of the Site with respect to the inferred direction of groundwater flow, this property would not be considered to present potential for adverse environmental impact to the Site.

4.2.4 Ontario Ministry of the Environment and Climate Change (MOECC) Records

Records pertaining to the Site were requested from the MOECC through the *Freedom of Information and Protection of Privacy Act* (FOI).

Records pertaining to the Site were requested from the MOECC through the *Freedom of Information and Protection of Privacy Act* (FOI) for the purpose of this Phase One ESA. The Regulatory Response is included provided in Appendix I. No apparent environmental concerns were identified based on the records.

4.2.5 Technical Standards and Safety Authority

A request for information regarding the site was made to the Technical Standards and Safety Authority (TSSA). A copy of the response by the TSSA is provided in Appendix J.

On October 25, 2017, a request for information was submitted to the Technical Standards and Safety Authority (TSSA), the Provincial regulatory agency responsible for overseeing the storage of fuels in Ontario. The TSSA maintains a database (approximately 1987 to present) of all registered fuel storage tanks in Ontario. At the time of the request, the TSSA had indicated that there were no records of fuel storage on the Site.

4.3 Physical Setting Source

4.3.1 Aerial Photographs

In order to review the development and land use history of the Site and surrounding area, aerial photographs dated 1967, 1974, 1982, 1985, 1996, 2005, 2011, and 2016 were reviewed. Historical aerial photographs (1967- 1996) were obtained from the Region of Peel Planning Department, and the other photographs were taken from the internet website "Google Earth". Reviewed aerial photographs are included in Appendix H.

The development and land use history of the Site and adjacent properties as depicted on the reviewed aerial photographs/images is summarized below.

Aerial Photograph	Details
1967	<ul style="list-style-type: none">The Site is depicted as comprising mainly open agricultural fields and under agricultural use.A small wooded area occupies the eastern portion of the Site and continues to the northeast, adjacent to Mississauga Road, as it does present day.

Aerial Photograph	Details
	<ul style="list-style-type: none"> • A collection of buildings, likely agricultural/residential in nature, are present in the northeastern portion of the Site, south of Mississauga Road. • A small depression, more clearly discernible in later photographs, implies the presence of a seasonal swale in the south central portion of the site originating in the adjacent woods to the south. • The adjacent properties to the west and southeast of the Site comprise vacant, undeveloped farmland. Land to the southwest of the site is wooded. • A collection of buildings, likely agricultural in nature, are present adjacent to the northern boundary of the Site at property currently carrying the municipal address 17200 Mississauga Road. • A number of small buildings, likely residential in nature, are present to the north of the Site along the Bush Street, Main Street, and Forks of the Credit Road.
1974	<ul style="list-style-type: none"> • No significant changes were observed at the Site. • The property located adjacent to the northwest corner of the site is shown developed with present day public school building. • Two cul-de-sacs, which are today named Hawthorne Court and Ridge Drive, have been constructed to the east of the Site in preparation for future residential development.
1982	<ul style="list-style-type: none"> • No significant changes were observed at the Site. • Woodland Court has been constructed to the east of the Site, along with numerous small buildings, likely residential in nature.
1985	<ul style="list-style-type: none"> • No significant changes were observed at the Site or surrounding areas.
1996	<ul style="list-style-type: none"> • The collection of agricultural buildings present in the northeastern portion of the Site, south of Mississauga Road, appears to have been partially demolished. Apart from this, no significant changes were observed at the Site. • A small building and long driveway, likely residential in nature, has been erected to the north of the Site, south of Bush Street.
2005	<ul style="list-style-type: none"> • No significant changes were observed at the Site or surrounding areas.
2011	<ul style="list-style-type: none"> • No significant changes were observed at the Site or surrounding areas.
2016	<ul style="list-style-type: none"> • No significant changes were observed at the Site or surrounding areas.

4.3.2 Topography, Hydrology and Geology

The following geological and soil maps were reviewed:

- Brampton (30M/12) prepared by Surveys and Mapping Branch, Department of Energy, Mines and Resources, dated 1994.
- "Quaternary Geology of Ontario, Southern," Ontario Geological Survey, Map 2556. Scale 1: 1 000 000, Issued 1991; and

- "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, Map 2544. Scale 1: 1 000 000 Issued 1991.

The review of the geological maps identified the following:

- The topography in the area generally slopes towards the northeast.
- The direction of regional groundwater flow at the Site is likely to be north towards the forks of the Credit River.
- The Site and surrounding areas are dominated by glaciofluvial outwash deposits, consisting primarily of gravel and sand, including proglacial river and deltaic deposits.
- The bedrock geology in the general vicinity of the Site is part of Silurian (Middle and Lower Silurian): sandstone, shale, dolostone, siltstone of the Amabel Formation.

4.3.3 Fill Materials

The geotechnical investigation conducted for the Site did not identify the presence of imported fill materials present on the Site.

4.3.4 Water Bodies and Areas of Natural Significance

The Site has undulating topography with overall downward slope to the north. There are no water bodies located on the Site. The nearest natural surface water body to the Site is Credit River (Erin Branch) approximately 100 metres north of the Site. Three Provincial ANSI areas were found within the close vicinity of the site as described below:

1. Located northeast adjacent to the Site: ANSI Name: Credit Forks (ID 1200808651) encompassing Area of 5007626.626 m², Type: Life Science; having provincial significance, and with management plan.
2. Located north of the Site about 1 km away: ANSI Name: Dufferin Lake (ID 1201703097) encompassing Area of 570708.63 m², Type: Life Science; having provincial significance, and with management plan.
3. Located north of the Site about 1 km away: ANSI Name: Caledon Meltwater Deposits- Fork of the Credit (ID 1201703095) encompassing Area of 5007626.626 m², Type: Earth Science; having provincial significance, and with management plan.

Refer to Appendix E for location of these ANSIs with respect to the Phase One Property.

4.3.5 Well Records

4.3.5.1 Water Wells

A search of groundwater wells listed to be on or within 250 metres of the Phase One Property was conducted using the Well Water Information System records obtained from MOECC official website. Refer to Appendix L for all of the records obtained. Several wells were identified on or within 250m study radius. under the Water Well Information System. Majority of them were water supply wells for domestic use and some of them were observation/exploration wells.

Since no existing buildings are present on Site, no active water supply well is expected to be present. It is understood that since 1980s, various wells have been drilled on site for exploration purposes as the source of water supply for the proposed residential subdivision will be groundwater.

4.3.5.2 Oil, Gas, and Salt Wells

A search was conducted on the Oil, Gas & Salt Resources Library (www.ogsrlibrary.com) website for wells within 250 metres of the site. No records were found within the study area. A print out from the website is provided in Appendix M.

4.4 Site Operating Records

The Site was generally vacant at the time of this Phase One ESA. As such, no Site Operating Records are available for review.

5. Interviews

Interviews were conducted by **exp** with the individuals identified to be the most knowledgeable about both the current and historical site uses. The interviews were conducted in order to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the site.

During the course of this Phase One ESA, the current site owner representative Mr. John Spina was interviewed during the course of this investigation. The information gathered from him has been utilized in the preparation of this report.

6. Site Reconnaissance

6.1 General Requirements

The Phase One ESA site reconnaissance was conducted on August 14, 2017, from approximately 11:00am to 3:00pm by Mr. Peter Cosentino from **exp** Services Inc. The Site visit was conducted in accordance with **exp**'s internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the Site visit was to assess the current conditions of the Site. On the day of site reconnaissance, the weather was generally sunny, with a temperature of around 28°C.

The general environmental management and housekeeping practices at the Site were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of **exp**'s investigation.

The Site and the adjoining properties were observed from the Site and/or publicly accessible areas. Photographs documenting the Site visit are included in Appendix K.

6.2 Specific Observations at Phase One ESA Property

6.2.1 Site Description and Buildings

At the time of the visit, the Site was largely undeveloped, consisting of twelve (12) open farm fields and a wooded area in the east/northeastern portion.

Three (3) abandoned concrete and stone foundations of former structures were present on the Site at the time of the site visit, all of which are located in the northeastern portion of the site. The first of these structures consisted of a series of ruined stone and concrete foundation walls of a former residential or agricultural building at its time of use. A cylindrical concrete structure stands adjacent to the first building, and is suspected to have been used as a silo at its time of use. The third structure stands approximately 45 metres to the southeast of the above-mentioned structures and consists of a concrete floor (slab-on-grade) and a low wall. The areas surrounding these entire area is overgrown, with grasses and small trees growing throughout the structures. Some wood, brick, and stone fragments as well as household debris can be found scattered surficial in this portion of the Site.

6.2.2 Heating and Cooling Systems

No heating and cooling systems were observed on the Phase One Property at the time of **exp**'s site visit.

6.2.3 Site Utilities and Services

The Site is not currently serviced with natural gas, hydro, water and sewer at the time of **exp**'s site visit.

6.2.4 Site Production and Manufacturing

No site production or manufacturing were observed on the Phase One Property at the time of **exp's** site visit.

6.2.5 Drains, Pits and Sumps

No drains, pits or sumps were observed on the Site at the time of **exp's** site visit. Site drainage is controlled by overland flow.

6.2.6 Storage Tanks

6.2.6.1 Underground Storage Tanks

No evidence of the presence of any other underground storage tanks (USTs), such as: fill pipes, vent pipes and/or concrete or asphalt patches were observed on the Phase One Property at the time of **exp's** site visit.

6.2.6.2 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the Phase One Property at the time of **exp's** site visit.

6.2.7 Site Housekeeping

Not applicable.

6.2.8 Chemical Storage and Handling

No chemical inventory, storage, or evidence of chemical handling was observed on the Phase One Property at the time of **exp's** site visit.

6.2.9 Areas of Stained Soil and Pavement

No areas of surficial staining were observed on the Phase One Property at the time of **exp's** site visit.

6.2.10 Areas of Stressed Vegetation

No areas of stressed vegetation were observed on the Phase One Property at the time of **exp's** site visit.

6.2.11 Railway and Spur Lines

No evidence of historic or existing railway or spur lines was observed on the Phase One Property or on the Phase One Property's surrounding or adjacent properties at the time of this study.

6.2.12 Fill and Debris

No apparent evidence of imported fill material of unknown quality was noted on the Site at the time of this Phase One ESA. The site appeared to have natural undulating terrain. The remnants of the former building structures including stone foundation walls or floor slabs were still present on Site at the time of this Phase One ESA. As such, no imported fill materials for the backfill of the former structures are suspected to be present.

6.2.13 Potentially Contaminating Activities

No potentially contaminating activities were observed on the Site at the time of **exp's** site visit.

6.2.14 Abandoned or Existing Wells

Two wells were noted at the south end of the gravel driveway giving access to the abandoned structures in the north. These wells appear to have been installed recently by another party for an unknown purpose and were labeled Test Well #5 and Test Well #6. Additionally, a white plastic pipe believed to be a monitoring well was noted in the adjacent field to the east of the residential property in the north central area of the Site. The ERIS report lists about 10 wells within Site area. At the time of the Site visit, no evidence of these wells was found at the locations listed in the report.

6.2.15 Sewage and Wastewater Disposal

The Site was not serviced with sewage and wastewater disposal at the time of this study.

6.2.16 Ground Surface

The majority of the Site area consists of a series of twelve (12) open farm fields with relief of approximately 23 m. The ground cover in the fields generally consisted of standing crops, topsoil and frequent cobble sized stones. Tree lines surround each field, the majority of which contain numerous piles of stones believed to have been removed from the adjacent fields during clearing in preparation for use as agricultural land.

The eastern/northeastern portion of the Site consists of a wooded area which slopes northward towards Old Main Street and Mississauga Road. The northern portion of the Site, to the west of the abandoned structures, also contains a marsh near the property boundary separating the Site from the adjacent property with municipal address 17200 Old Main Street.

Based on the local area topography, the inferred local groundwater flow direction is expected to be to the north towards the Credit River (Erin Branch). The actual groundwater flow direction can only be determined by long term groundwater elevation investigation in the area.

The groundwater flow direction may also be influenced by utility trenches and other subsurface structures and may migrate in the bedding stone of nearby subsurface utility trenches.

6.2.17 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOECC. According to the Environmental Protection Act (EPA), an Environmental Compliance Approval (ECA) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29th, 1988. Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a C of A was added to the EPA. Unless explicitly exempted, most industrial processes or modifications to industrial processes and equipment require a ECA. The EPA provides a list of specific equipment and conditions, which are exempt from ECA requirements (i.e., fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

Based on the site visit, no ECAs were likely required for air emissions at the Site as it was not developed with any permanent structures.

6.2.18 Odours

No unusual or strong odours were detected on the Phase One Property during this study.

6.2.19 Noise

No excessive noise was detected on the Phase One Property during this study.

6.2.20 Hazardous Building Materials and Designated Substances

No hazardous building materials and designated substances are anticipated on the Phase One Property during this study. The remnants of abandoned structures present on the site comprised of stone, mortar, concrete- not expected to contain hazardous building materials and designated substances.

6.2.21 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep

into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 becquerels per cubic metre (Bq/m³). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m³ in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

Typically, radon is not a significant environmental concern in southern Ontario. Based on the overburden and bedrock materials underlying the Site, it is unlikely that radon gas emissions would be a concern at the Site.

6.2.22 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow it requires a food source (i.e. gypsum wallboard, carpets, wallpaper, wood, etc.) and moist conditions. Mould can have an impact on human health depending on the species and concentration of the mould. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled "mould guidelines for the Canadian construction industry" and the Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 2 (2010)".

It is important to note that The Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

No mould was observed on the Site at the time of **exp's** Site visit. As the only structures located at the Site are abandoned, mould is not a concern at this time.

6.2.23 Enhanced Investigation Property Observations

Part VI of O.Reg. 511/09 defines an Enhanced Investigation Property as (i) a property used, or has ever been used, in whole or part, for an industrial purpose, or (ii) a commercial property used as a garage, a bulk liquid dispensing facility, including a gasoline outlet or for the operation of dry cleaning equipment.

Based on the records review and site reconnaissance, the Site is not classified as an Enhanced Investigation Property.

6.2.24 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 metres of the site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the site. Land uses of surrounding properties are shown on Figure 3. The visual reconnaissance identified the following properties in the neighbourhood:

- **East:** Belfountain Conservation Area, Residential Use Properties, Blair Belfountain Cemetery
- **South:** Wooded land and open fields
- **West:** Residential and agricultural use along Shaws Creek Road with address at 17254 Shaws Creek Road under Residential use in addition to operated as landscaping business.
- **North:** By the west end at 17247 Shaws Creek Road as Belfountain Elementary School, followed by residential properties at 591/593 Bush Street, 17200 Old Main Street and more houses along Old Main Street.

Observation of the adjacent properties to the Site revealed no cause for environmental concern.

6.3 Written Description of Investigation

There were no areas of potential environmental concern identified during the Site Reconnaissance.

7. Review and Evaluation of Information

7.1 Current and Past Uses

The Site is currently under agricultural land use.

Based on the information gathered, the Site was historically under agricultural land use. The northeastern portion of the Site was previously developed with some building structures likely for residential or agricultural use.

7.2 Potentially Contaminating Activities

No potentially contaminating activities (PCAs) identified on the Phase One Property. One PCA identified within the Phase One Study Area is summarized below:

Location	PCA	Comments/Rationale
17254 Shaws Creek Road (~200 m north west of the Site)	#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large- Scale Application	The property was listed as pesticide vendor under a landscaping business. Given their location in terms of groundwater flow and distance away from the Site. This PCA is considered as NOT contributing an APEC to the Site.

No other PCAs were identified on the Phase One Property and within the Phase One Study Area.

7.3 Areas of Potential Environmental Concern

No APECs were identified.

7.4 Phase One ESA Conceptual Site Model

Introduction

The Site occupies an area between Mississauga Road and Shaws Creek Road, approximately 320 m south of Bush Street, in Belfountain, Town of Caledon, Ontario, as shown on Figure 1. The Site is irregular in shape and occupies an area of approximately 70.3 hectares (~174 acres). The Site has a relief of approximately 23 m as it slopes down to the north towards Credit River (Erin Branch).

The Site is currently undeveloped, consisting of a series of twelve (12) open farm fields and wooded areas at the northeast portion. An old silo and remnants of former structures (likely a house or barn) were noted at the northeast portion of the Site. Further to the west of the old silo and the remnants of former building structures, a marshy area exists near the property boundary of the Site which separates the Site from the adjacent residential property with the municipal address of 17200 Old Main Street.

At the time of this investigation, the Site was under agricultural land use. It is understood that a residential subdivision is being proposed for the Site.

At the time of this Phase One ESA investigation, the Site was owned by The Manors of Belfountain Corporation who acquired the Phase One Property on June 6, 2017.

Site Overview and Background

The Site historically and currently consisted of agricultural fields and wooded areas with an exception of the northeast portion, which was former developed with about three (3) residential /agriculture structures between the 1960s and the 1990s. An old silo and remnants of former building foundation walls or floor slabs were noted on Site at the time of this Phase One ESA.

Based on geological maps reviewed, the Site is underlain predominantly by glaciofluvial outwash deposits, consisting primarily of gravel and sand, including proglacial river and deltaic deposits and the bedrock geology in the general vicinity of the Site is part of Silurian (Middle and Lower Silurian): sandstone, shale, dolostone, siltstone of the Amabel Formation. Based on the recent geotechnical investigation carried out on the Site, the soil stratigraphy at the site comprised topsoil followed by reworked material underlain by native coarse deposits of sand with some silt and sand & gravel. No imported fill materials were identified on Site during the geotechnical investigation.

The Site has undulating topography with an overall downward slope towards the north. There are no water bodies on the Site. The nearest natural surface water body to the Site is Credit River (Erin Branch), a approximately 100 metres north of the Site. No area of natural significance (ANSI) were identified on the Phase One Property. However, an ANSI known as the Credit Forks was identified on the adjacent property northeast of the Site.

No active domestic drinking water well is expected to be present on site. It is understood that various well exploration investigations have been conducted on site by various parties in the past for checking the presence of reliable aquifer as source of potable groundwater for the proposed residential development.

Several private potable water supply wells are present in the Phase One Study Area servicing the developed properties. The Site and Study Area are not connected with municipal services for water supply.

The Site is bound by Mississauga Road to the east, Shaws Creek Road to the west, Belfountain Public School and properties under residential and agricultural land use to the north, as well as vacant, undeveloped land parcel to the south. The area north/northeast of the Site is Belfountain Conversation Area along banks of Credit River (Erin Branch).

The Phase One Study Area consisted of the neighbourhood extending a distance of 250 metres from the boundaries of the Site. At the time of the Site reconnaissance, land usage within 250 metres of the Site was predominantly a mix of residential, agricultural, institutional (school), community (a church and a cemetery) land use. A land use plan for the adjacent properties is provided as Figure 3.

During this Phase One ESA, no potentially contaminating activities (PCAs) were identified on the Phase One Property. One (1) PCA was identified within the Phase One Study Area, as summarized below:

Location	PCA	Comments/Rationale
17254 Shaws Creek Road (~200 m north west of the Site)	#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large- Scale Application	The property was listed as pesticide vendor under a landscaping business. Given their location in terms of groundwater flow and distance away from the Site. This PCA does not contribute an APEC to the Site.

It is noted that the historic agricultural activities on Site consisted primarily of corn or soy fields with no evidence of orchards. As such, the historic agricultural activities on Site do not present an APEC on the Phase One Property. In addition, although former structures were identified at the northeast portion of the Site, remnants of building envelop, foundation walls and/or concrete slab-on-grade were still present on the Phase One Property at the time of this investigation. As such, the presence of imported fill materials to backfill the former structures is not suspected.

Phase One Conceptual Site Model

As per Table 1 from Schedule D, Part VI of the Regulation, the Phase One CSM is further presented below:

Provide one or more figures of the Phase One Study Area that:	
i) Show any existing buildings and structures	No existing buildings or structures are present on the Phase One Property. Remnants of old structures present within northeast portion of the site (Figure 2)
ii) Identify and locate water bodies located in whole or in part on the Phase One Study Area	No water bodies are present on the Phase One Property. The Credit River (Erin Branch) is located approximately 100 m north of the Site.
iii) Identify and locate any areas of natural significance located in whole or in part on the Phase One Study Area	No area of natural significance (ANSI) were identified on the Phase One Property. However, an ANSI known as the Credit Forks was identified on the adjacent property northeast of the Site.
iv) Locate any drinking water wells at the Phase One Property	No existing drinking water wells were identified at the Phase One Property. Various exploratory/ observation wells are present at the Phase One Property.
v) Show roads, including names, within the Phase One Study Area	Refer to Figure 1
vi) Show uses of properties adjacent to the Phase One Property	Refer to Figure 3

Continued from previous page:	
vii) Identify and locate areas where potentially contaminating activity has occurred, and show tanks in such areas	Refer to Figure 4
viii) Identify and locate any areas of potential environmental concern	Refer to Figure 5
Provide a description and assessment of:	
i) Any areas where potentially contaminating activity on or potentially affecting the Phase One Property has occurred	None identified
ii) Any contaminants of potential concern	Not applicable
iii) The potential for underground utilities, if any present, to affect contaminant distribution and transport	No underground utilities are present on the Phase one property.
iv) Available regional or site specific geological and hydrogeological information	<p>The subsurface stratigraphy consists by glaciofluvial outwash deposits, consisting primarily of gravel and sand, including proglacial river and deltaic deposits and the bedrock geology in the general vicinity of the Site is part of Silurian (Middle and Lower Silurian): sandstone, shale, dolostone, siltstone of the Amabel Formation.</p> <p>The groundwater flow at the Phase One Property is expected to be north, influenced by the Credit River (Erin Branch) located ~100 m of the site.</p>
v) How any uncertainty or absence of information obtained in each of the components of the Phase One Environmental Site Assessment could affect validity of the model	No uncertainties or absence of information that could affect the validity of the model were identified.

8 Conclusions

8.1 Summary of Findings

No Areas of Potential Environmental Concerns (APECs) were identified on the Phase One Property.

8.2 Whether a Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

Based on the Phase One ESA findings, and conclusions reached, a Phase Two ESA (i.e. sampling and analysis) is not required before a Record of Site Condition can be submitted to all of the Phase One Property.

8.3 Record of Site Condition Based on Phase One ESA Alone

A Record of Site Condition can be filed based on a Phase One ESA alone.

8.4 Signatures

This Phase One ESA was conducted under the supervision of Mr. Simon Lan, a Qualified Person, who hereby confirms the carrying out of this Phase One ESA and the findings and conclusions of this report.

Aamna Arora, P.Eng.
Project Manager
Earth and Environment



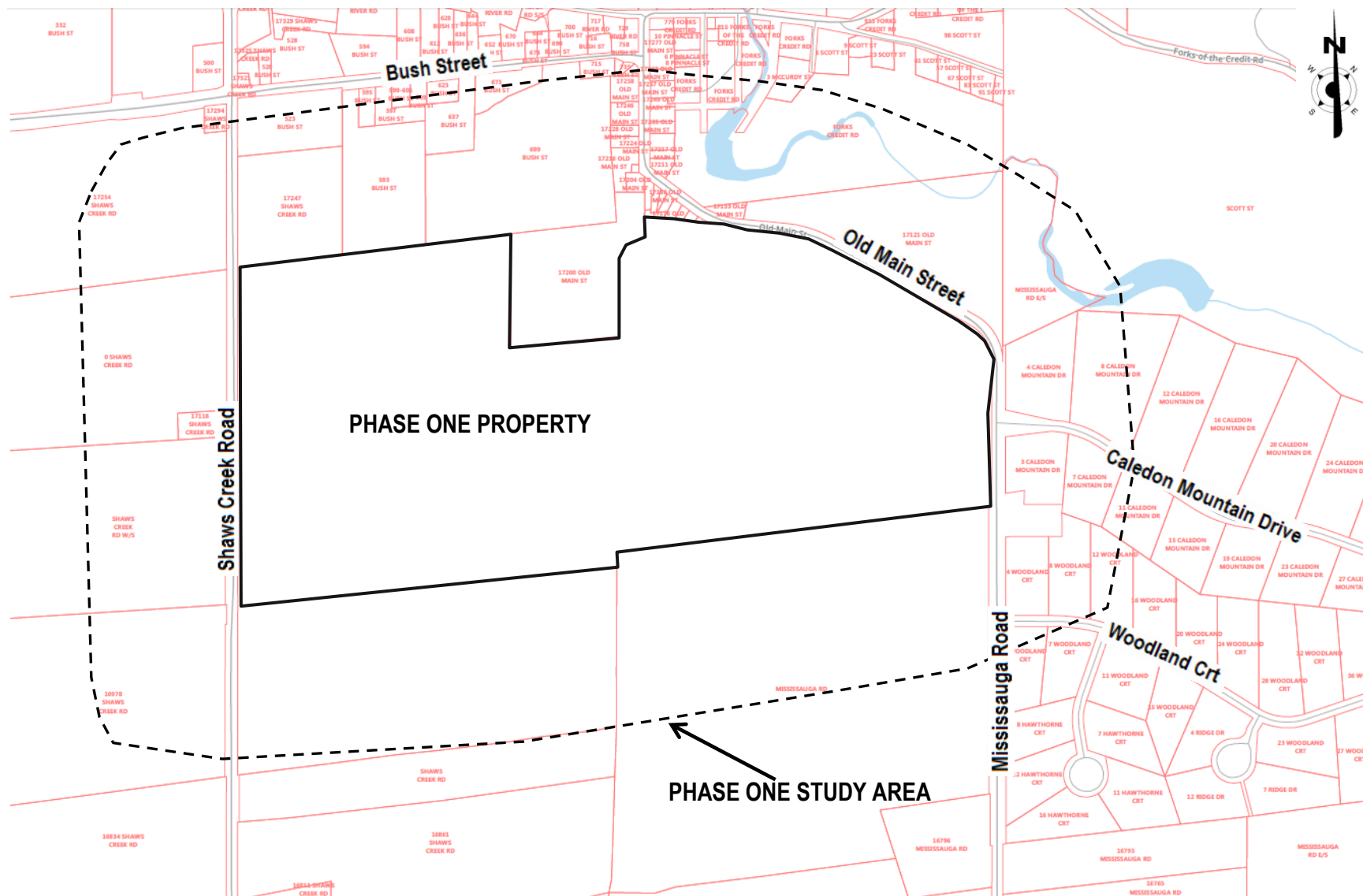
Simon Lan, P.Eng., QP_{ESA}
Senior Project Manager
Earth and Environment
Professional License No.: 100064402

9. References

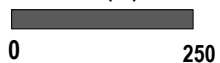
The following references were made during the preparation of the Phase One ESA:

- Canadian Standards Association. November 2001. Z768-01 *Phase I Environmental Site Assessment*.
- Occupational Health and Safety Act - Ministry of Labour (MOL)
- "Quaternary Geology of Toronto and Surrounding Area"; Southern Sheet Map 2556, Scale 1:100,000. Issued 1980.
- "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, Map 2544. Scale 1: 1 000 000 Issued 1991.
- Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
- Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
- Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
- Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
- Hazardous Waste Information Network (HWIN, 1986-2005).
- Catalogue of Canadian Fire Insurance Plans 1875 – 1975
- Ontario Ministry of the Environment, Brownfields Registry website (www.ene.gov.on.ca/environet/BESR/index.htm)
- Ontario Ministry of the Environment, Hazardous Waste Information Network website (www.hwin.ca)
- Ontario Ministry of the Environment, Environmental Registry website (www.ene.gov.on.ca/envision/env_reg/abr/english/index.htm)
- Ontario Ministry of Natural Resources, Natural Heritage website (www.mnr.gov.on.ca/MNR/nhic/areas.cfm)
- Oil, Gas & Salt Resources Library website (www.ogsrlibrary.com)
- Technical Standards and Safety Authority, Environmental Management Protocol for Fuel Handling Sites in Ontario, May 2007.
- Municipal website (www.peelregion.ca)

Figures



Scale (m)



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

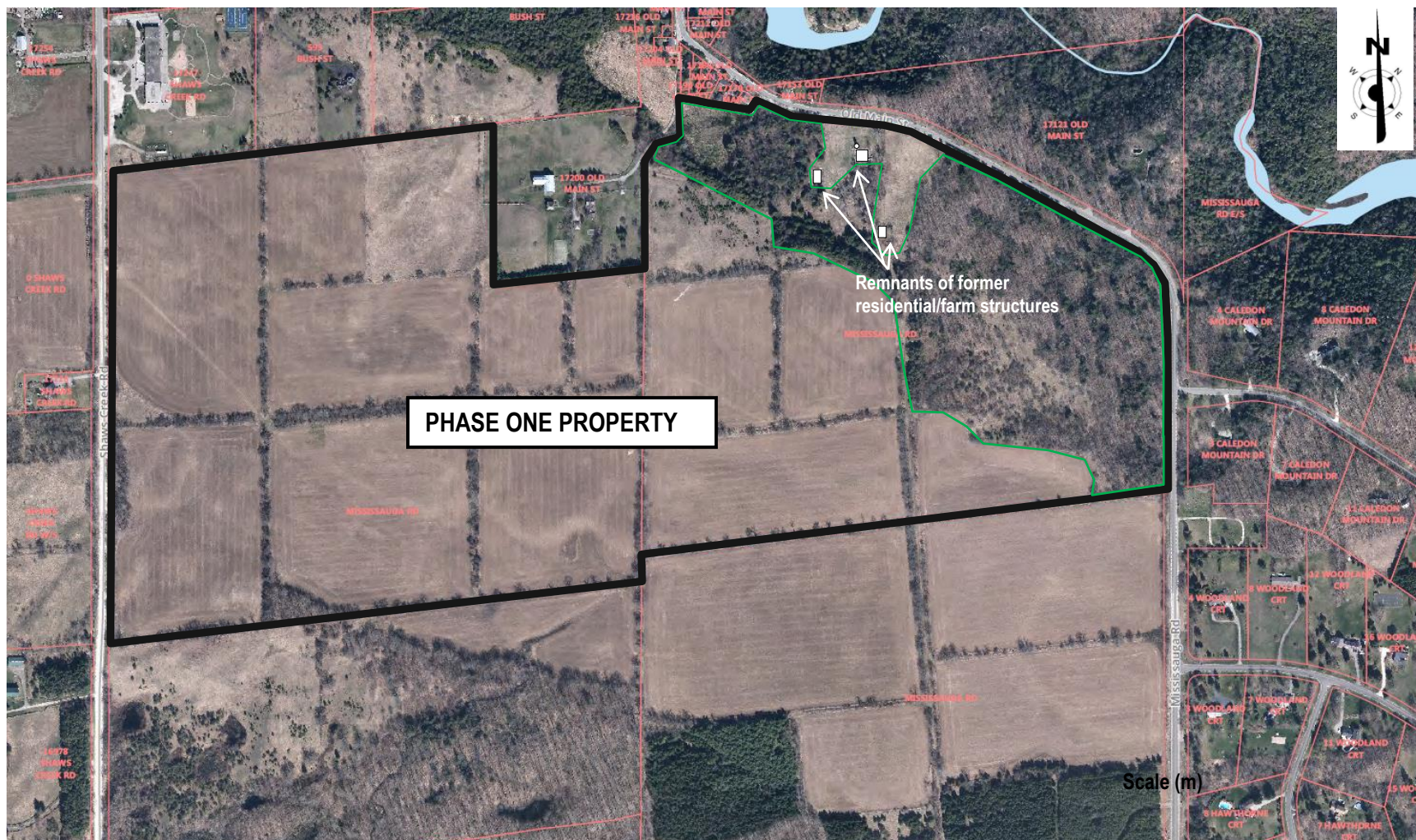
DWN.:AA

CHKD.:SL

SITE LOCATION PLAN
PHASE ONE PROPERTY
Parts of Lot 9, Concession 5, W.H.S.
Belfountain, Town of Caledon, Ontario

PROJECT NO.:
BRM-00603505-D0

FIGURE NO.: 1



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

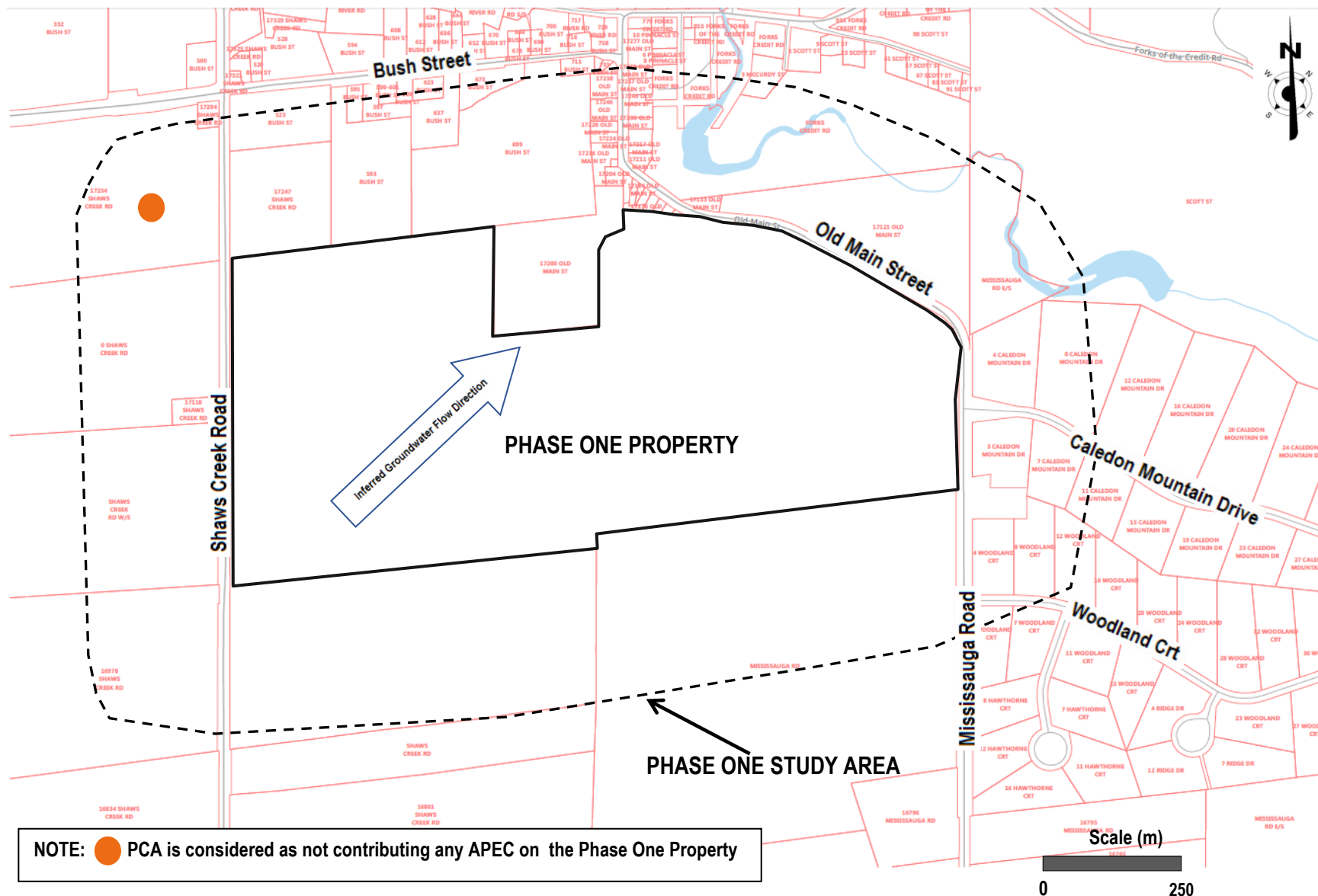
SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

<p>SITE PLAN PHASE ONE PROPERTY Parts of Lot 9, Concession 5, W.H.S. Belfountain, Town of Caledon, Ontario</p>	
<p>PROJECT NO.: BRM-00603505-D0</p>	<p>FIGURE NO.: 2</p>



PCA Location



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

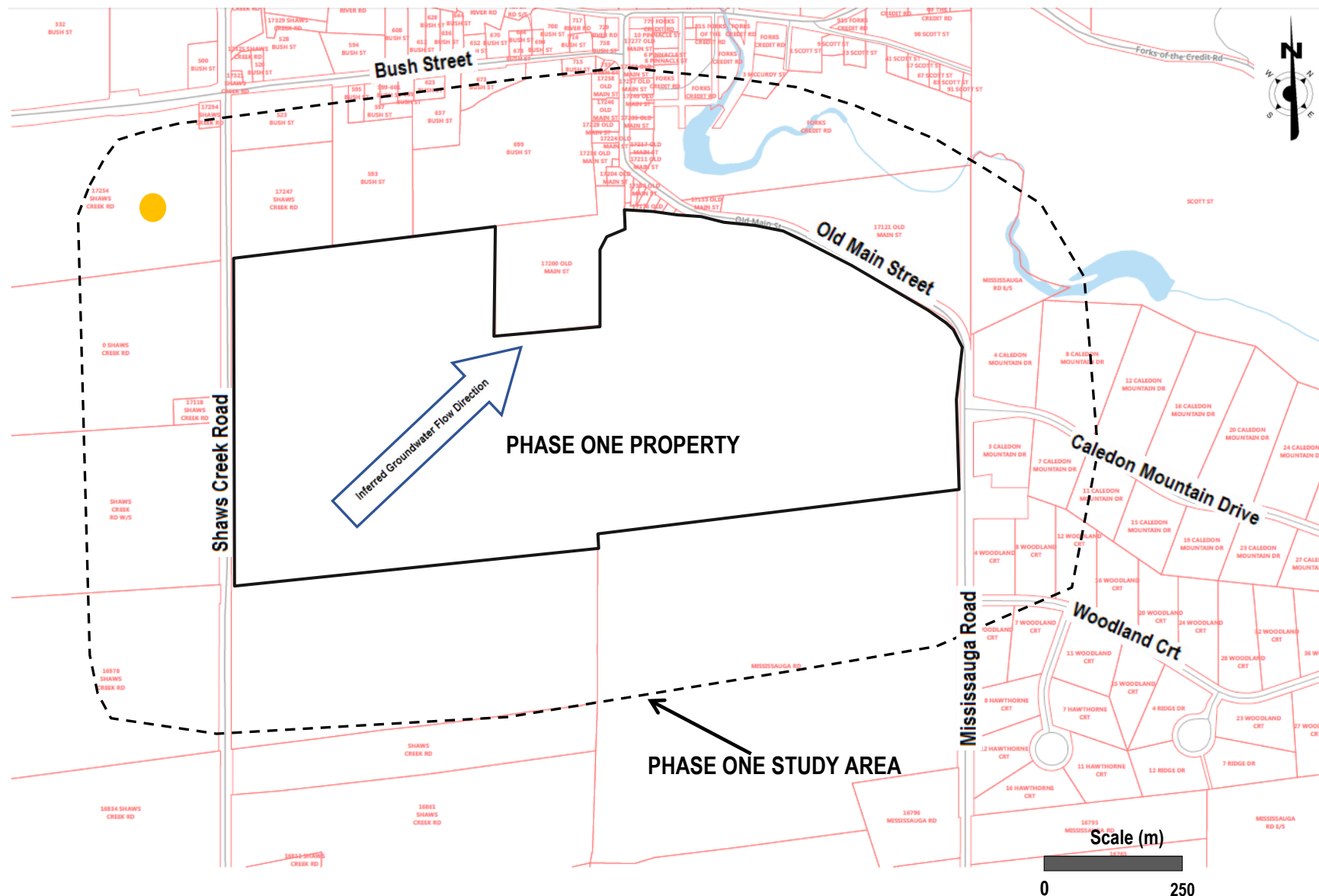
CHKD.:SL

POTENTIALLY CONTAMINATING
ACTIVITIES (PCAs)

Parts of Lot 9, Concession 5, W.H.S.
Belfountain, Town of Caledon, Ontario

PROJECT NO.:
BRM-00603505-D0

FIGURE NO.: 4



exp Services Inc.
 1595 Clark Boulevard
 Brampton, Ontario
 L6T 4V1
 Telephone: (905) 793-9800
 Fax: (905) 793-0641

SCALE: As shown

DATE:
 October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
 BRM-00603505-D0

**CONCEPTUAL SITE MODEL
 PHASE ONE ESA**

Parts of Lot 9, Concession 5, W.H.S.
 Belfountain, Town of Caledon, Ontario

FIGURE NO.: 5

Tables

Table 1

SITE ENVIRONMENTAL SETTING DATA

Part of Lot 9, Concession 5 West of Hurontario Street (Town of Caledon)

NATIVE SOIL AND BEDROCK

Type: silty sand, sand and gravel, sandy silt till
 Hydraulic Conductivity: 10^{-2} to 10^{-4} cm/sec (estimated)
 Percent Sand: 50 % -80 % (estimated)
 Depth to Bedrock: ~ Elev. ~379-393 m (from other parties' report)
 Bedrock Type: Dolostone

GROUNDWATER

Depth to Water Table: ~ more than 8.0 m below ground
 Estimated or Measured: Measured
 Direction of Flow: north
 Estimated or Measured: inferred based on topography and proximity to Credit River (Erin Branch)

POTABLE WATER AND SEWERS

Potable Water Source: Private wells for the surrounding neighbourhood
 Municipal Water Source: Local Groundwater
 Distance to Nearest Municipal Water Well: Unknown
 Distance to Nearest Private Water Well: less than 100m
 Sanitary Sewage System: private septic system for the surrounding neighbourhood
 Storm Water System: natural relief

OTHER UTILITIES

Power: No connection
 Natural Gas: No connection
 Telephone: No connection
 Steam: No connection

SURFACE WATER

Name of Nearest Body of Water: Credit River (Erin Branch)
 Distance from the Site: ~100 m north of the Site
 Elevation Drop from the Site: Unknown
 Direct Drainage from Site: Unknown

TABLE 2
TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY

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

Part of Lot 9, Concession 5 West of Hurontario Street (Town of Caledon)

Eastern Half of the Phase One Property -PIN 14267-0114

Year	Name of Owner	Description of Property Use	Property use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1834 - 1848	Archibald McArthur	Agricultural	Agricultural or other use	Aerial photographs show three (3) farm structures within the northeastern portion of the site from 1960s to 1990s. From 1990s, these farm structures appeared to be no longer in use and were shown partly demolished. Majority of the Site area were either undeveloped, covered with trees and vegetation or under agricultural use.
1848 - 1857	Peter Blair	Agricultural	Agricultural or other use	
1857 - 1865	Nelson Blair	Agricultural	Agricultural or other use	
1865 - 1896	Donald Blair	Agricultural	Agricultural or other use	
1896 - 1906	Angus Blair, Archibald Blair	Agricultural	Agricultural or other use	
1906 - 1949	John Willis	Agricultural	Agricultural or other use	
1949 - 1966	Harry A. Willis	Agricultural	Agricultural or other use	
1966 - 1972	Swansea Properties Limited	Agricultural	Agricultural or other use	
1972 - 1981	Caledon Mountain Recreation Properties Ltd.	Agricultural	Agricultural or other use	
1981 - 2017	Ontario 272139 Limited	Agricultural	Agricultural or other use	
June 2017 - present	THE MANORS OF BELFOUNTAIN CORP.	Agricultural	Agricultural or other use	At the time of site visit for this investigation, an old silo and remnants of former farm structures were noticed within the northeastern portion of the site. Majority of the Site area were either undeveloped, covered with trees and vegetation or under agricultural use.

Western Half of the Phase One Property - PIN 14267-0047				
Year	Name of Owner	Description of Property Use	Property use	Other Observations from Aerial Photographs and City Directories, etc.
1840 - 1849	John Gillies	Agricultural	Agricultural or other use	Our review of the available aerial photographs, shows the site under agricultural use with no structures.
1849 - 1859	Charles Roszel	Agricultural	Agricultural or other use	
1859 - 1863	James McKeown	Agricultural	Agricultural or other use	
1863 - 1866	Archbald Blair, John Blair	Agricultural	Agricultural or other use	
1866 - 1899	Peter Blair	Agricultural	Agricultural or other use	
1899 - 1929	George Blair, John Blair	Agricultural	Agricultural or other use	
1929 - 1949	Norman E. Storey	Agricultural	Agricultural or other use	
1949 - 1966	Harry A. Willis	Agricultural	Agricultural or other use	
1966 - 1972	Ivan Bracalenti, W. Jackson Sibbald	Agricultural	Agricultural or other use	
1972 - 1975	Harry Ridgeley (in trust)	Agricultural	Agricultural or other use	
1975 - 2017	272944 Ontario Limited	Agricultural	Agricultural or other use	
June 2017 - Present	THE MANORS OF BELFOUNTAIN CORP.	Agricultural	Agricultural or other use	At the time of site visit for this investigation, the site was under agricultural use with no structures.

Project No.: BRM00603505-D0

Prepared By: **Exp** Services Inc.

Appendices

Appendix A: Limitation of Liability, Scope of Report, and Third Party Reliance



LIMITATIONS AND USE OF REPORT

BASIS OF REPORT

The Report is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of **exp** may require re-evaluation. Where special concerns exist, or the Client has special considerations or requirements, these should be disclosed to **exp** to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Where applicable, recommended field services are the minimum necessary to ascertain that construction is being carried out in general conformity with building code guidelines, generally accepted practices and **exp**'s recommendations. Any reduction in the level of services recommended will result in **exp** providing qualified opinions regarding the adequacy of the work. **exp** can assist design professionals or contractors retained by the Client to review applicable plans, drawings, and specifications as they relate to the Report or to conduct field reviews during construction.

RELIANCE ON INFORMATION PROVIDED

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to **exp** by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. **exp** has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to **exp**.

STANDARD OF CARE

This report ("Report") has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

COMPLETE REPORT

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to **exp** by the Client, communications between **exp** and the Client, other reports, proposals or documents prepared by **exp** for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. **exp** is not responsible for use by any party of portions of the Report.

USE OF REPORT

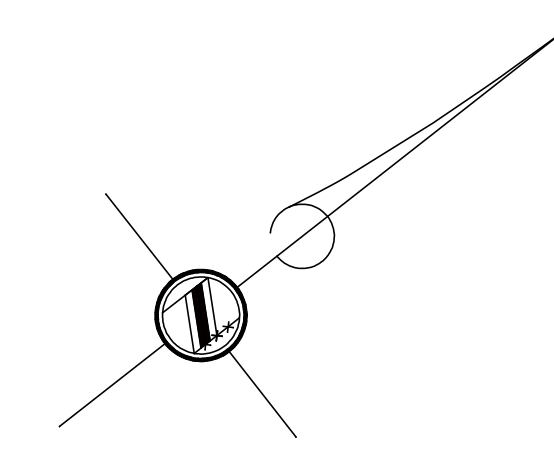
The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of **exp**. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. **exp** is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.



REPORT FORMAT

Where **exp** has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by **exp** utilize specific software and hardware systems. **exp** makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are **exp**'s instruments of professional service and shall not be altered without the written consent of **exp**.

Appendix B: Survey Plan

METRIC
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND
CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048



 DENOTES STANDARD IRON BAR FOUND
 DENOTES WOOD STAKE
 DENOTES TOP OF SLOPE

LINEWORK ON THIS PLAN IS GRID (UTM ZONE 17, NAD83 (ORIGINAL))
COMBINED SCALE FACTOR = 0.999600
PLAN HAS BEEN COMPILED IN UTM, ZONE17, NAD83(ORIGINAL) PROJECTION BASED ON
MEASURED MONUMENTS LABELED A, B AND C ON FACE OF PLAN

File No.
100-3-13

PIN 14267 - 0048 (R)

Appendix C: Qualifications of Assessors

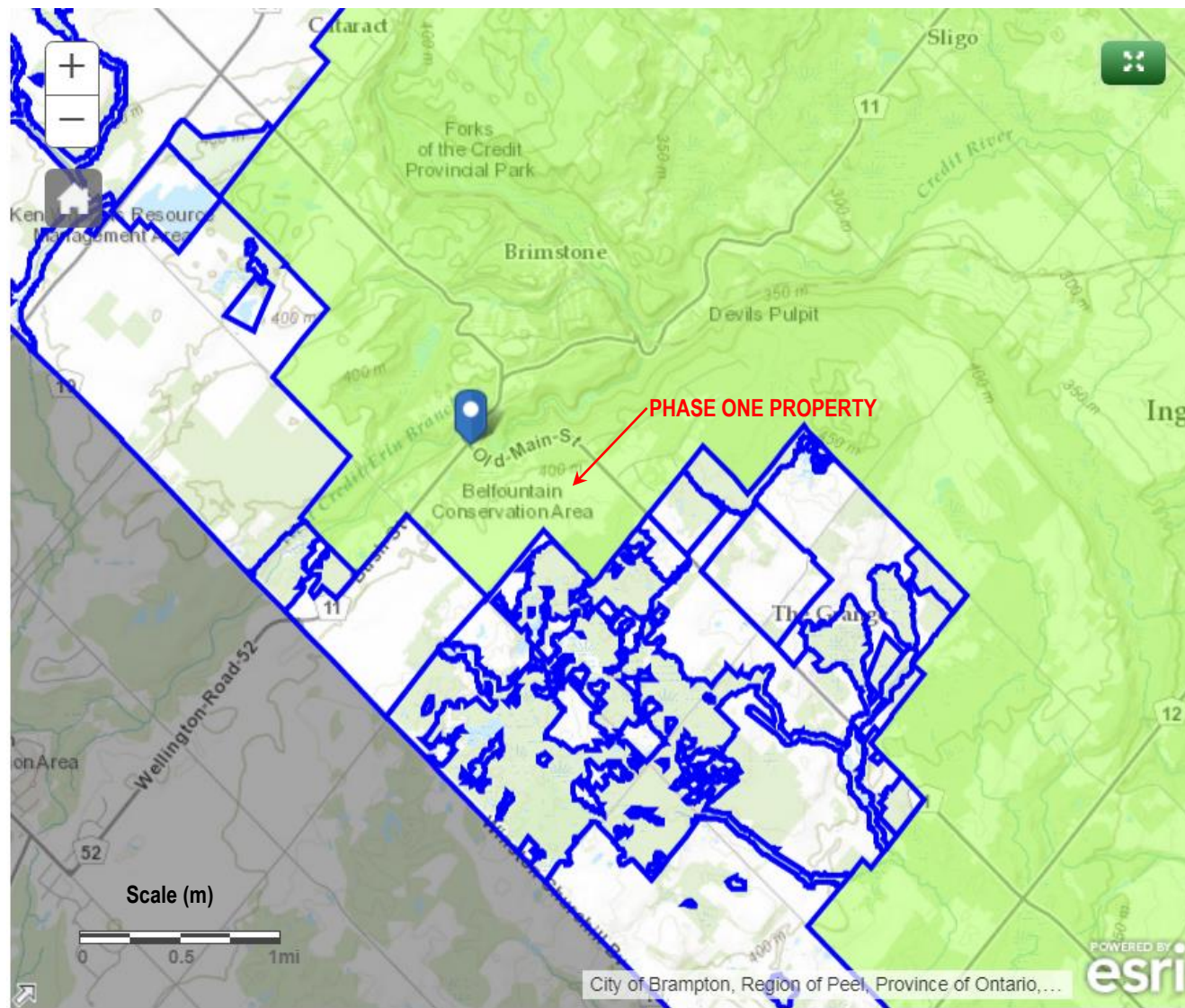
Qualifications of Assessors

The records review and Site visit for this assessment were conducted by Ms. Aamna Arora who has been trained in conducting Phase I ESAs in accordance with the CSA Standard. Ms. Aamna Arora is a Post graduate in Environmental Science from the University of Toronto.

This Phase I ESA was reviewed by Mr. Simon Lan, P. Eng, who obtained his Civil Engineering degree from the University of Toronto. Mr. Lan has many years of diverse hands-on experience in environmental site assessments, remediation of contaminated sites, surveys and abatements of designated substances and hazardous building materials, preparation of technical specifications, cost estimates, contract documents and project management. He was a member of the project management team for many portfolio acquisition projects.

Exp Services Inc. (founded in 1957, formerly known as Trow Associates Inc.) provides a full range of environmental services through a full-time Environmental Services Group. **Exp's** Environmental Services Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with the Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the **exp** organization.

Appendix D: Zoning Information



Legend

Zone Boundary



Wellhead Protection Area Boundary



WP-2



WP-25



WP-10



WP-5

For applicable zoning see
By-law 87-250 as amended



Niagara Escarpment Plan Area



Oak Ridges Moraine Conservation Plan Area



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

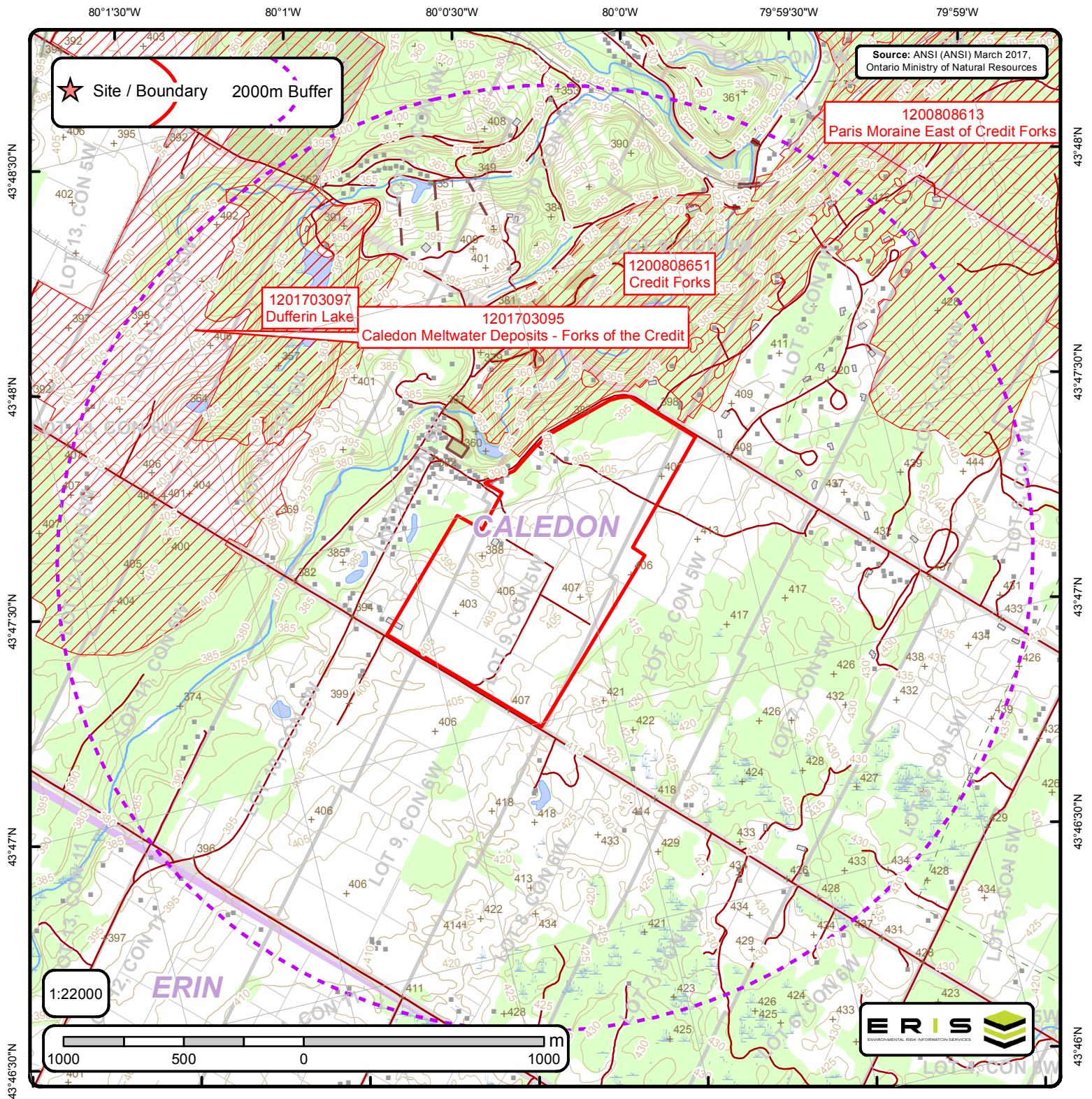
PROJECT NO.:
BRM-00603505-D0

Zoning Info

Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.: D.1

Appendix E: Maps



Area of Natural & Scientific Interest (ANSI) Order No. 20171025212

+	Spot Height	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—	Railroads	■	Airports	■	Lots	■	National Park
—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership	■	ANSI Area



ANSI Name: Caledon Meltwater Deposits - Forks of the Credit

ID: 1201703095 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** Yes | **Area (sqm):** 5007626.626 |

Comments: This mapping is outside boundaries of the ANSI's only. For individual inventories of the ANSI's reference should be made to the individual ANSI Files in the Planning Section MNR Aurora. Less accurate Mapping is available at 1:50 000 scale on white prin

ANSI Name: Credit Forks

ID: 1200808651 | **Type:** ANSI, Life Science | **Significance:** Provincial | **Management Plan:** Yes | **Area (sqm):** 3392104.696 |

Comments: Information not available at insertion stage.

ANSI Name: Dufferin Lake

ID: 1201703097 | **Type:** ANSI, Life Science | **Significance:** Provincial | **Management Plan:** Yes | **Area (sqm):** 570708.63 | **Comments:**

Information not available at insertion stage.

Appendix F: Chain of Title Documentation

TITLE SEARCH SERVICES

September 15, 2017

C O V E R P A G E

To: EXP. SERVICES INC.

ATTN: AAMNA ARORA

RE: TITLE SEARCH REPORT

SUBJECT: LANDS SOUTH OF MAIN STREET BETWEEN
MISSISSAUGA RD., & SHAWS CREEK RD.
BELFOUNTAIN, CALEDON. ONTARIO

PROPERTY Part Lot 9, Concession 5 W.H.S., Town of Caledon.
DESCRIPTION Pin. 14267 - 0114; Part Pin 14267 - 0047.

TOTAL PAGES 2 - *Including this page*
(Search Report - Page 2)
(The Invoice - N/A)

SHOULD YOU NEED MORE INFORMATION ABOUT THIS SEARCH YOU CAN REACH ME ANYTIME AT (416) 697 - 1804. THANK YOU.

DUE TO THE NATURE OF THE TITLE SEARCH WORK, THIS REPORT IS REFLECTING TO THE BEST POSSIBLE THE STATUS OF THE LAND REGISTRY RECORD. UPON THE RECEPTION OF THIS REPORT, (IF NOT REFUSED AND SENT BACK TO ARMAND SIMO\ TITLE SEARCH SERVICES WHEN RECEIVED), THE CLIENT(S) AND OTHER PARTIES HAVE ACCEPTED TO RELEASE THIS TITLE SEARCH REPORT / SERVICE AND ARMAND SIMO FROM ANY FUTURE LIABILITY (OR OTHER) CLAIMS OF ANY NATURE

COMPLETE - ACCURATE - PROVINCE WIDE - TITLE SEARCH SERVICES

PROPERTY TITLE REPORT

September 14, 2017

SUBJECT: LANDS SOUTH OF MAIN STREET BETWEEN
MISSISSAUGA RD., & SHAWS CREEK RD.
BELFOUNTAIN, CALEDON. ONTARIO

PROPERTY Part Lot 9, Concession 5 W.H.S., Town of Caledon.
DESCRIPTION Pin. 14267 - 0114; Part Pin 14267 - 0047.

PROPERTY TITLE HISTORY

<u>Date</u>	<u>Ownership</u>	<u>Deed #</u>
31 July 1834	Archibald McArthur (East ½ - Lot 9) -	PATENT
13 March 1840	John Gillies (West ½ - Lot 9) -	PATENT
07 June 1848	Peter Blair (East ½) -	31841
06 February 1849	Charles Roszel (West ½) -	33601
17 April 1857	Nelson Blair (East ½) -	3839
26 February 1859	James McKeown (West ½) -	6508
09 March 1863	John Blair (West ½) -	11040
09 March 1863	Archibald Blair (West ½) -	11041
10 October 1865	Donald Blair (East ½) -	13756
15 February 1866	Peter Blair (West ½) -	14200
30 September 1896	Angus Blair, Archibald Blair (East ½) -	10075
11 March 1899	George Blair, John Blair (West ½) -	10653
20 November 1906	John Willis (East ½) -	12523
11 March 1929	Norman E. Storey (West ½) -	17921
24 February 1949	Harry A. Willis (Pt. East ½) -	21358
26 November 1949	Harry A. Willis (West ½) -	21551
05 August 1966	Ivan Bracalenti, W. Jackson Sibbald (West ½) -	VS17008
14 September 1966	Swansea Properties Limited (Pt. East ½) -	VS20408
29 June 1972	Caledon Mountain Recreational Properties Ltd. (Formerly as THE CALEDON MOUNTAIN ESTATES LTD.) (Pt. East ½) -	VS217585
12 October 1972	Harry Ridgley (In Trust) (West ½) -	VS233384
07 November 1975	272944 Ontario Limited (West ½) -	VS373009
20 March 1981	272139 Ontario Limited (Pt. East ½) -	RO573446
06 June 2017	<u>THE MANORS OF BELFOUNTAIN CORP.</u> - PR3140088 (For the Subject Property) (All Chains - East ½ & West 1/2) (Recent Deed)	

(End of the Title Search Report)

DUE TO THE NATURE OF THE TITLE SEARCH WORK, THIS REPORT IS REFLECTING TO THE BEST POSSIBLE THE STATUS OF THE LAND REGISTRY RECORD. - THE RESULT OF THIS TITLE SEARCH IS INFORMATIONAL ONLY AND CONTAINS ONLY THE OWNERSHIP HISTORY ON THE PROPERTY. IT DOES NOT CONSTITUTE A LEGAL OPINION AND NO RESEARCH OR OTHER VERIFICATION AS TO THE LEGALITY OF ANY OF THE TRANSACTIONS, OR LEGAL VALIDITY OF THE TITLE TO THE PROPERTY IS MADE OR IMPLIED. ARMAND SIMO IN THIS TITLE SEARCH REPORT / SERVICE DISCLAIMS ANY LIABILITY AND/OR RESPONSIBILITY ON THE USE OF (THE) / THIS TITLE SEARCH INFORMATION BY THE CLIENT(S) AND / OR OTHER PARTIES

COMPLETE - ACCURATE - PROVINCE WIDE - TITLE SEARCH SERVICES

Appendix G: EcoLog ERIS Report



DATABASE REPORT

Project Property: *Belfountain Phase I ESA
Mississauga Rd Old Main St
Caledon ON*

Project No:

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

Order No: *20171025212*

Requested by: *exp Services Inc.*

Date Completed: *October 31, 2017*

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com
www.erisinfo.com

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Executive Summary

Property Information:

Project Property: *Belfountain Phase I ESA
Mississauga Rd Old Main St Caledon ON*

Project No:

Order Information:

Order No: *20171025212*
Date Requested: *October 25, 2017*
Requested by: *exp Services Inc.*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

Topographic Map *ANSI Map & Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	<i>Abandoned Aggregate Inventory</i>	<i>N</i>	-	-	-
AGR	<i>Aggregate Inventory</i>	<i>N</i>	-	-	-
AMIS	<i>Abandoned Mine Information System</i>	<i>N</i>	-	-	-
ANDR	<i>Anderson's Waste Disposal Sites</i>	<i>N</i>	-	-	-
AUWR	<i>Automobile Wrecking & Supplies</i>	<i>N</i>	-	-	-
BORE	<i>Borehole</i>	<i>N</i>	-	-	-
CA	<i>Certificates of Approval</i>	<i>N</i>	-	-	-
CFOT	<i>Commercial Fuel Oil Tanks</i>	<i>N</i>	-	-	-
CHEM	<i>Chemical Register</i>	<i>N</i>	-	-	-
CNG	<i>Compressed Natural Gas Stations</i>	<i>N</i>	-	-	-
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	<i>N</i>	-	-	-
CONV	<i>Compliance and Convictions</i>	<i>N</i>	-	-	-
CPU	<i>Certificates of Property Use</i>	<i>N</i>	-	-	-
DRL	<i>Drill Hole Database</i>	<i>N</i>	-	-	-
EASR	<i>Environmental Activity and Sector Registry</i>	<i>N</i>	-	-	-
EBR	<i>Environmental Registry</i>	<i>N</i>	-	-	-
ECA	<i>Environmental Compliance Approval</i>	<i>N</i>	-	-	-
EEM	<i>Environmental Effects Monitoring</i>	<i>N</i>	-	-	-
EHS	<i>ERIS Historical Searches</i>	<i>N</i>	-	-	-
EIIS	<i>Environmental Issues Inventory System</i>	<i>N</i>	-	-	-
EMHE	<i>Emergency Management Historical Event</i>	<i>N</i>	-	-	-
EXP	<i>List of TSSA Expired Facilities</i>	<i>N</i>	-	-	-
FCON	<i>Federal Convictions</i>	<i>N</i>	-	-	-
FCS	<i>Contaminated Sites on Federal Land</i>	<i>N</i>	-	-	-
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	<i>N</i>	-	-	-
FST	<i>Fuel Storage Tank</i>	<i>N</i>	-	-	-
FSTH	<i>Fuel Storage Tank - Historic</i>	<i>N</i>	-	-	-
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	<i>N</i>	-	-	-
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	<i>N</i>	-	-	-
HINC	<i>TSSA Historic Incidents</i>	<i>N</i>	-	-	-
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	<i>N</i>	-	-	-
INC	<i>TSSA Incidents</i>	<i>N</i>	-	-	-
LIMO	<i>Landfill Inventory Management Ontario</i>	<i>N</i>	-	-	-
MINE	<i>Canadian Mine Locations</i>	<i>N</i>	-	-	-
MNR	<i>Mineral Occurrences</i>	<i>N</i>	-	-	-
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	<i>N</i>	-	-	-

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

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

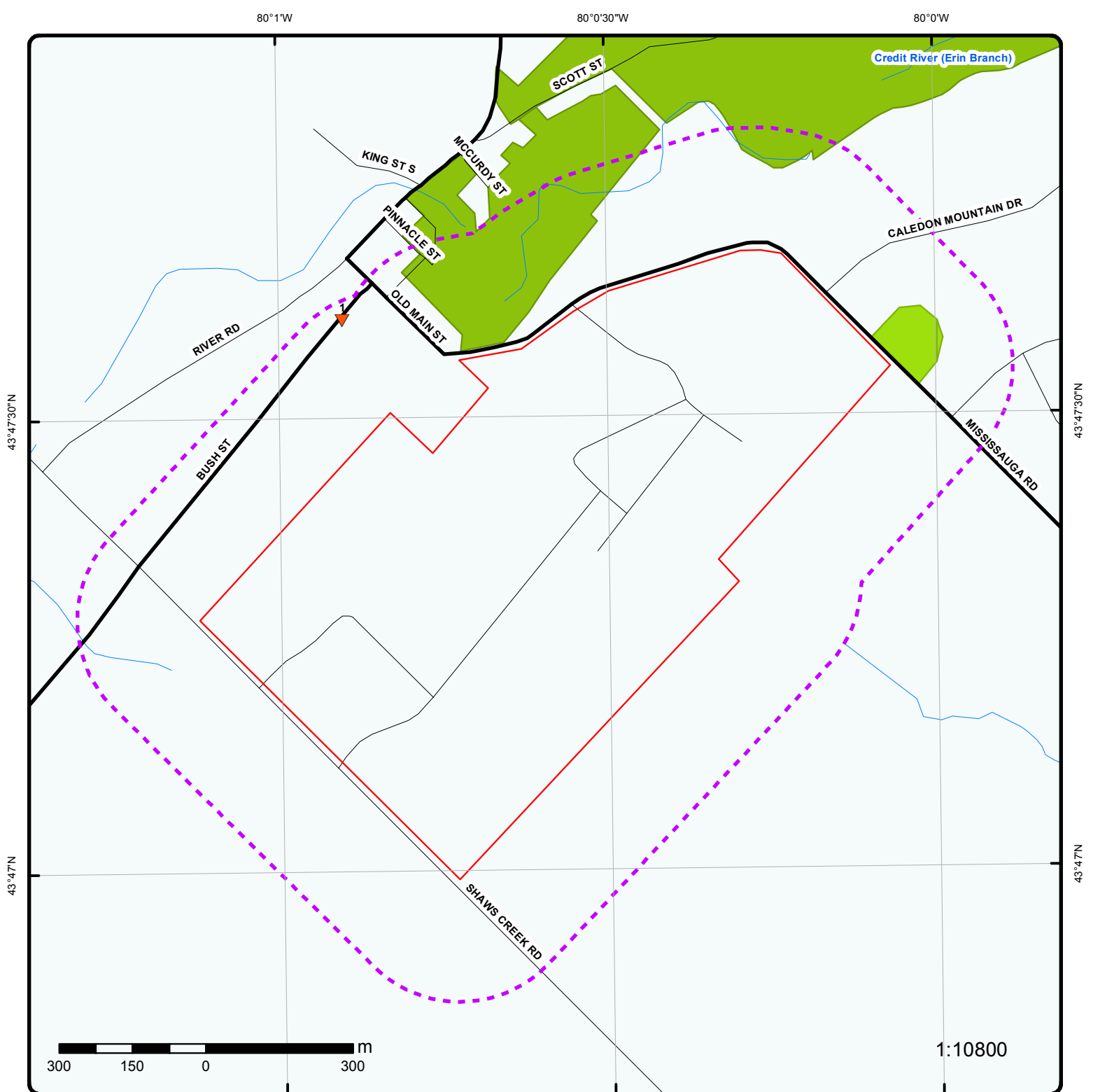
<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	SPL	HIGHLAND WELLS	763 BUSH ST BELFOUNTAIN N.W. CORNER OF CALEDON TWP CALEDON TOWN ON	NW/212.7	-20.35	12

Executive Summary: Summary By Data Source

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2017 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HIGHLAND WELLS	763 BUSH ST BELFOUNTAIN N.W. CORNER OF CALEDON TWP CALEDON TOWN ON	212.7	<u>1</u>



Map : 0.25 Kilometer Radius

Order No: 20171025212

Address: Mississauga Rd Old Main St, Caledon, 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		Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		



Aerial

Address: Mississauga Rd Old Main St, Caledon, ON

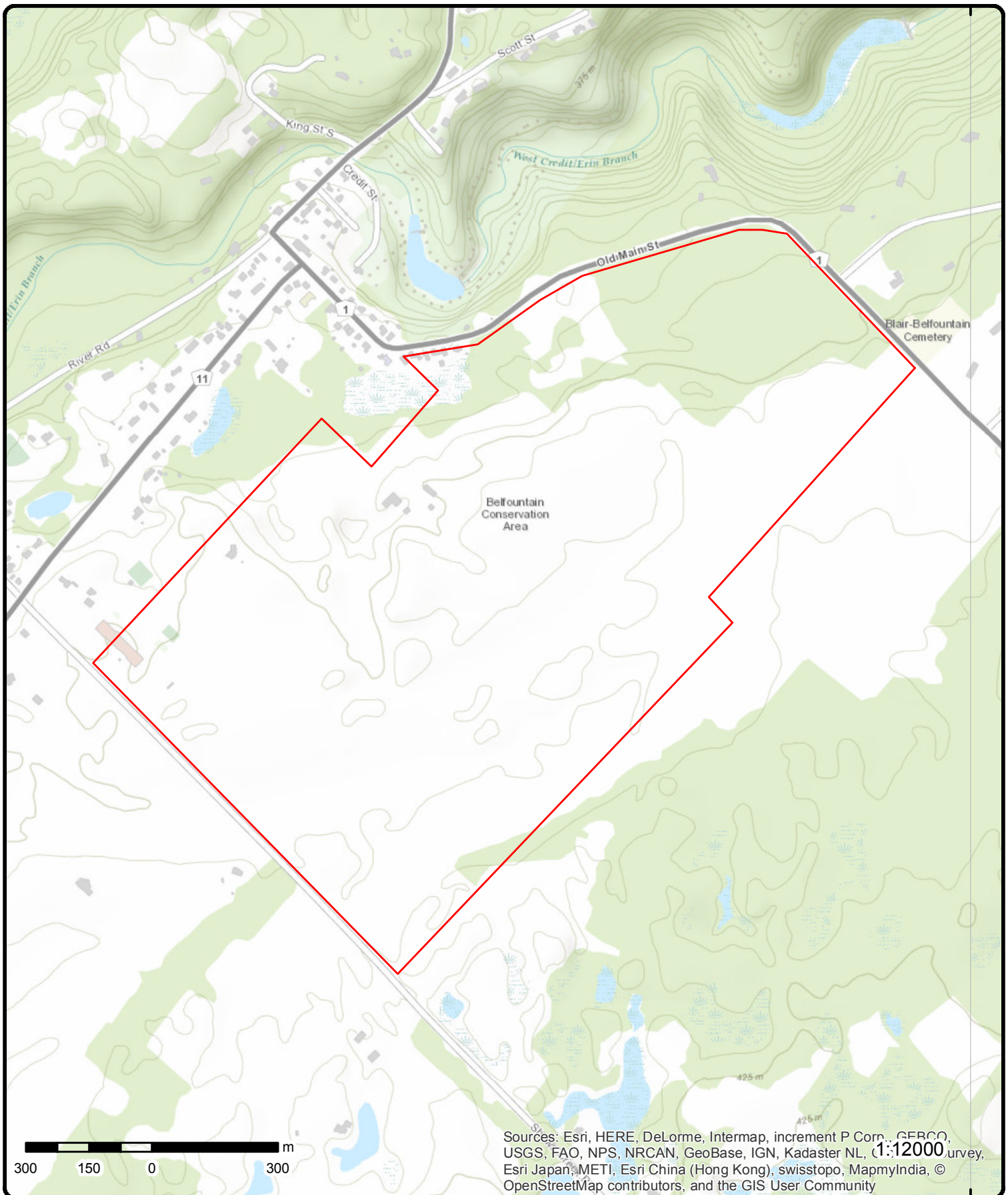
Source: ESRI World Imagery

Order No: 20171025212

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



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Topographic Map

Address: Mississauga Rd Old Main St, Caledon, ON

Source: ESRI World Topographic Map

Order No: 20171025212



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	NW/212.7	384.5	HIGHLAND WELLS 763 BUSH ST BELFOUNTAIN N.W. CORNER OF CALEDON TWP CALEDON TOWN ON	SPL
<div> <div> Ref No: 170868 </div> <div> Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: 7/29/1999 Health/Env Conseq: Incident Dt: 7/29/1999 Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE Incident Event: Incident Reason: NEGLIGENCE (APPARENT) Incident Summary: HIGHLAND WELLS: DRILLING OPERATION SLURRY DSCHRGEDTO BELFOUNTAIN CREEK </div> <div> Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 21401 Site Postal Code: Sector Type: Source Type: Receiving Medium: WATER Receiving Env: Environment Impact: POSSIBLE Nature of Impact: Water course or lake SAC Action Class: </div> </div>					

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
SPL	CALEDON SKI CLUB	CALEDON SKI CLUB, MISSISSAUGA RD AND FORKS OF THE CREDIT RD, BELFONTAINE BELFONTAINE (MISSISSAUGA ROAD AND FORKS OF THE CREDIT)	CALEDON TOWN ON	
SPL	ONTARIO HYDRO	LOT 10 CONC. 6 MOTOR VEHICLE (OPERATING FLUID)	ERIN TOWN ON	

Unplottable Report

Site: CALEDON SKI CLUB
CALEDON SKI CLUB, MISSISSAUGA RD AND FORKS OF THE CREDIT RD, BELFONTAINE BELFONTAINE
(MISSISSAUGA ROAD AND FORKS OF THE CREDIT) CALEDON TOWN ON

Database:
[SPL](#)

Ref No:	127847	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	21401
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	6/13/1996	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND / WATER
Incident Dt:	6/13/1996	Receiving Env:	
Incident Cause:	UNKNOWN	Environment Impact:	CONFIRMED
Incident Event:		Nature of Impact:	Multi Media Pollution
Incident Reason:	CARELESS APPLICATION	SAC Action Class:	
Incident Summary:	CALEDON SKI CLUB-DUST SUP-RESSANT TO TOWN DITCHES,ROADS.REGION, WORKS.		

Site: ONTARIO HYDRO
LOT 10 CONC. 6 MOTOR VEHICLE (OPERATING FLUID) ERIN TOWN ON

Database:
[SPL](#)

Ref No:	30834	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	75405
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	2/12/1990	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND / WATER
Incident Dt:	2/12/1990	Receiving Env:	
Incident Cause:	PIPE/HOSE LEAK	Environment Impact:	NOT ANTICIPATED
Incident Event:		Nature of Impact:	
Incident Reason:	OVERSTRESS/OVERPRESSURE	SAC Action Class:	
Incident Summary:	ONTARIO HYDRO VEHICLE 15 L HYDRAULIC OIL TO DITCH.		

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-May 2017

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-May 2017

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-Sep 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-Sep 2017

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-Aug 2015

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-Aug 2017

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-Sep 2017

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-Aug 2017

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-Aug 2016

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 2017

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-Apr 2015

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-Jun 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 2015

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*

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-Feb 2017

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, 2014

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 -Jun 2017

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.

Government Publication Date: 1988-May 2017**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Oct 2016**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-Sep 2017**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**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-Aug 2017

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-Sep 2017

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-Aug 2017

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-May 2017

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-Jun 2017

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: 1990-2014

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-Jan 2015

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: Aug 31, 2017

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: Mar 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.



DATABASE REPORT



Project Property: *Belfountain Phase I ESA
Mississauga Rd Old Main St
Caledon ON
Custom-Build Your Own Report*

Report Type:

Order #: *20140515015*

Requested by: *exp Services Inc.*

Date: *May 23, 2014*

Ecolog ERIS Ltd.
Environmental Risk Information
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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property: *Belfountain Phase I ESA
Mississauga Rd Old Main St Caledon ON*

Order Information:

Order No.: *20140515015*
Date Requested: *26/05/2014*
Requested by: *exp Services Inc.*
Report Type: *Custom-Build Your Own Report*

Additional Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	1	0	1
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	1	1
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	4	4
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	13	60	73
Total:			14	66	80

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>
<u>1</u>	WWIS		lot 9 con 5 ON	-/0.0	405.00	<u>17</u>
<u>1</u>	WWIS		lot 9 con 5 ON	-/0.0	405.00	<u>17</u>
<u>2</u>	WWIS		lot 9 con 5 ON	-/0.0	397.94	<u>18</u>
<u>3</u>	WWIS		lot 9 con 5 ON	-/0.0	394.99	<u>19</u>
<u>4</u>	WWIS		lot 9 con 5 ON	-/0.0	404.52	<u>19</u>
<u>5</u>	WWIS		lot 9 con 5 ON	-/0.0	404.30	<u>20</u>
<u>6</u>	WWIS		lot 9 con 5 ON	-/0.0	404.30	<u>20</u>
<u>6</u>	WWIS		lot 9 con 5 ON	-/0.0	404.23	<u>20</u>
<u>7</u>	WWIS		lot 10 con 5 ON	-/0.0	389.48	<u>21</u>
<u>9</u>	WWIS		lot 9 con 5 ON	-/0.0	392.12	<u>22</u>
<u>20</u>	WWIS		lot 9 con 5 ON	-/0.0	403.88	<u>22</u>
<u>22</u>	WWIS		lot 9 con 6 ON	-/0.0	404.00	<u>23</u>
<u>34</u>	WWIS		lot 9 con 5 ON	-/0.0	404.35	<u>23</u>
<u>50</u>	BORE		ON	-/0.0	398.73	<u>24</u>

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>
8	WWIS		lot 9 con 5 ON	NNW/42.6	385.85	24
10	WWIS		lot 9 con 5 ON	NNW/9.7	385.96	25
11	WWIS		lot 9 con 5 ON	N/27.3	379.84	26
12	WWIS		lot 10 con 5 ON	N/31.6	378.81	26
13	WWIS		lot 9 con 5 ON	NNW/45.0	380.49	27
14	WWIS		lot 10 con 5 ON	NNW/45.8	380.63	28
15	WWIS		lot 7 con 5 ON	NNW/62.6	381.83	28
16	WWIS		lot 10 con 5 ON	NW/129.2	385.40	29
16	WWIS		lot 10 con 5 ON	NW/129.2	385.40	30
17	WWIS		lot 5 con 5 ON	NNW/107.3	381.25	30
18	WWIS		lot 10 con 5 ON	NNW/106.1	375.08	31
19	WWIS		lot 10 con 5 ON	N/120.1	358.56	32
21	WWIS		lot 9 con 5 ON	NW/177.2	384.36	32
23	WWIS		lot 9 con 5 ON	NNW/163.7	378.74	33
24	WWIS		lot 9 con 5 ON	NNW/166.4	369.97	34
25	WWIS		lot 9 con 5 ON	NNW/188.6	363.49	34

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
<u>26</u>	WWIS		lot 9 con 5 ON	NNW/186.6	377.63	<u>35</u>
<u>27</u>	WWIS		lot 10 con 5 ON	WNW/118.9	391.72	<u>36</u>
<u>28</u>	WWIS		lot 9 con 5 ON	WNW/137.5	390.27	<u>36</u>
<u>29</u>	SPL	HIGHLAND WELLS	763 BUSH ST BELFOUNTAIN N.W. CORNER OF CALEDON TWP CALEDON TOWN ON	NW/212.7	384.71	<u>37</u>
<u>30</u>	WWIS		lot 10 con 5 ON	NW/206.8	384.78	<u>38</u>
<u>31</u>	WWIS		lot 9 con 5 ON	NNW/219.8	380.16	<u>38</u>
<u>32</u>	WWIS		lot 9 con 5 ON	NW/233.4	383.67	<u>39</u>
<u>33</u>	WWIS		lot 10 con 5 ON	NNW/226.9	373.21	<u>40</u>
<u>35</u>	WWIS		lot 8 con 5 ON	S/36.6	415.00	<u>40</u>
<u>36</u>	WWIS		lot 10 con 5 ON	NW/237.8	383.16	<u>41</u>
<u>37</u>	WWIS		lot 9 con 5 ON	NNW/240.4	372.19	<u>41</u>
<u>38</u>	WWIS		lot 10 con 5 ON	NW/235.7	385.11	<u>41</u>
<u>39</u>	WWIS		lot 10 con 5 ON	WNW/223.2	386.43	<u>42</u>
<u>40</u>	WWIS		lot 10 con 5 ON	WNW/184.8	388.03	<u>43</u>
<u>41</u>	WWIS		lot 10 con 5 ON	WNW/204.1	387.86	<u>43</u>
<u>42</u>	WWIS		lot 10 con 5 ON	WNW/205.6	387.82	<u>44</u>
<u>43</u>	WWIS		lot 8 con 5 ON	S/39.9	415.00	<u>45</u>
<u>44</u>	WWIS		lot 8 con 5 ON	S/41.3	415.00	<u>45</u>
<u>45</u>	WWIS		lot 9 con 5 ON	W/33.8	397.86	<u>46</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
46	WWIS		lot 9 con 5 ON	W/45.9	397.34	46
47	GEN	Peel District School Board	17247 Shaws Creek Road Caledon ON	W/2.2	400.00	47
48	WWIS		lot 10 con 5 ON	WNW/191.0	386.79	47
49	WWIS		lot 10 con 5 ON	WNW/236.0	385.90	48
51	WWIS		lot 8 con 5 ON	S/127.5	415.00	48
52	WWIS		lot 9 con 4 ON	NE/16.2	388.25	49
53	WWIS		lot 8 con 5 ON	ENE/129.2	408.16	50
54	WWIS		lot 10 con 5 ON	WNW/248.2	384.83	50
55	PES	LTD LAWN CARE	17254 SHAWS CREEK RD CALEDON ON L7K0E8	WSW/40.2	400.00	51
55	PES	LTD LAWN CARE	17254 SHAWS CREEK RD BELFOUNTAIN ON L7K 0E8	WSW/40.2	400.00	51
55	PES	L T D WEED CONTROL LTD	17254 SHAWS CREEK ROAD BELFOUNTAIN ON L7K 0E8	WSW/40.2	400.00	51
55	PES	LTD LAWN CARE/CANADIAN OUTDOOR SERVICES	17254 SHAWS CREEK RD BELFOUNTAIN ON L7K 0E8	WSW/40.2	400.00	51
56	WWIS		lot 10 con 5 ON	W/217.5	385.35	51
57	WWIS		lot 9 con 4 ON	NE/45.0	374.50	52
58	WWIS		lot 9 con 4 ON	NE/65.8	368.38	53
59	WWIS		lot 10 con 5 ON	W/228.8	386.77	53
60	WWIS		lot 9 con 5 ON	W/156.1	394.38	54
61	WWIS		lot 22 con 6 ON	W/212.7	389.63	55
62	WWIS		lot 9 con 6 ON	WSW/154.2	395.34	55

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
<u>63</u>	WWIS		lot 8 con 4 ON	NE/115.6	398.98	<u>56</u>
<u>64</u>	WWIS		lot 9 con 6 ON	WSW/192.6	397.12	<u>56</u>
<u>65</u>	WWIS		lot 8 con 4 ON	ENE/107.1	408.02	<u>57</u>
<u>66</u>	WWIS		lot 8 con 4 ON	ENE/116.2	404.90	<u>57</u>
<u>67</u>	WWIS		lot 10 con 6 ON	W/230.1	390.19	<u>57</u>
<u>68</u>	WWIS		lot 8 con 4 ON	ENE/166.8	412.87	<u>58</u>
<u>69</u>	WWIS		lot 8 con 6 ON	S/211.0	418.09	<u>59</u>
<u>70</u>	WWIS		lot 8 con 4 ON	NE/170.7	395.79	<u>59</u>
<u>71</u>	WWIS		lot 9 con 4 ON	NE/172.4	356.65	<u>60</u>
<u>72</u>	WWIS		lot 8 con 4 ON	ENE/184.0	415.41	<u>60</u>
<u>73</u>	WWIS		lot 8 con 4 ON	ENE/189.3	414.01	<u>61</u>
<u>74</u>	WWIS		lot 8 con 4 ON	ENE/234.5	412.32	<u>61</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Aug 2011 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	0.0	50

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 2014 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Peel District School Board	17247 Shaws Creek Road Caledon ON	2.2	47

PES - Pesticide Register

A search of the PES database, dated 1988-Jun 2013 has found that there are 4 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
LTD LAWN CARE	17254 SHAWS CREEK RD CALEDON ON L7K0E8	40.2	55
LTD LAWN CARE/CANADIAN OUTDOOR SERVICES	17254 SHAWS CREEK RD BELFOUNTAIN ON L7K 0E8	40.2	55
LTD LAWN CARE	17254 SHAWS CREEK RD BELFOUNTAIN ON L7K 0E8	40.2	55
L T D WEED CONTROL LTD	17254 SHAWS CREEK ROAD BELFOUNTAIN ON L7K 0E8	40.2	55

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2013 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
HIGHLAND WELLS	763 BUSH ST BELFOUNTAIN N.W. CORNER OF CALEDON TWP CALEDON TOWN ON	212.7	29

WWIS - Water Well Information System

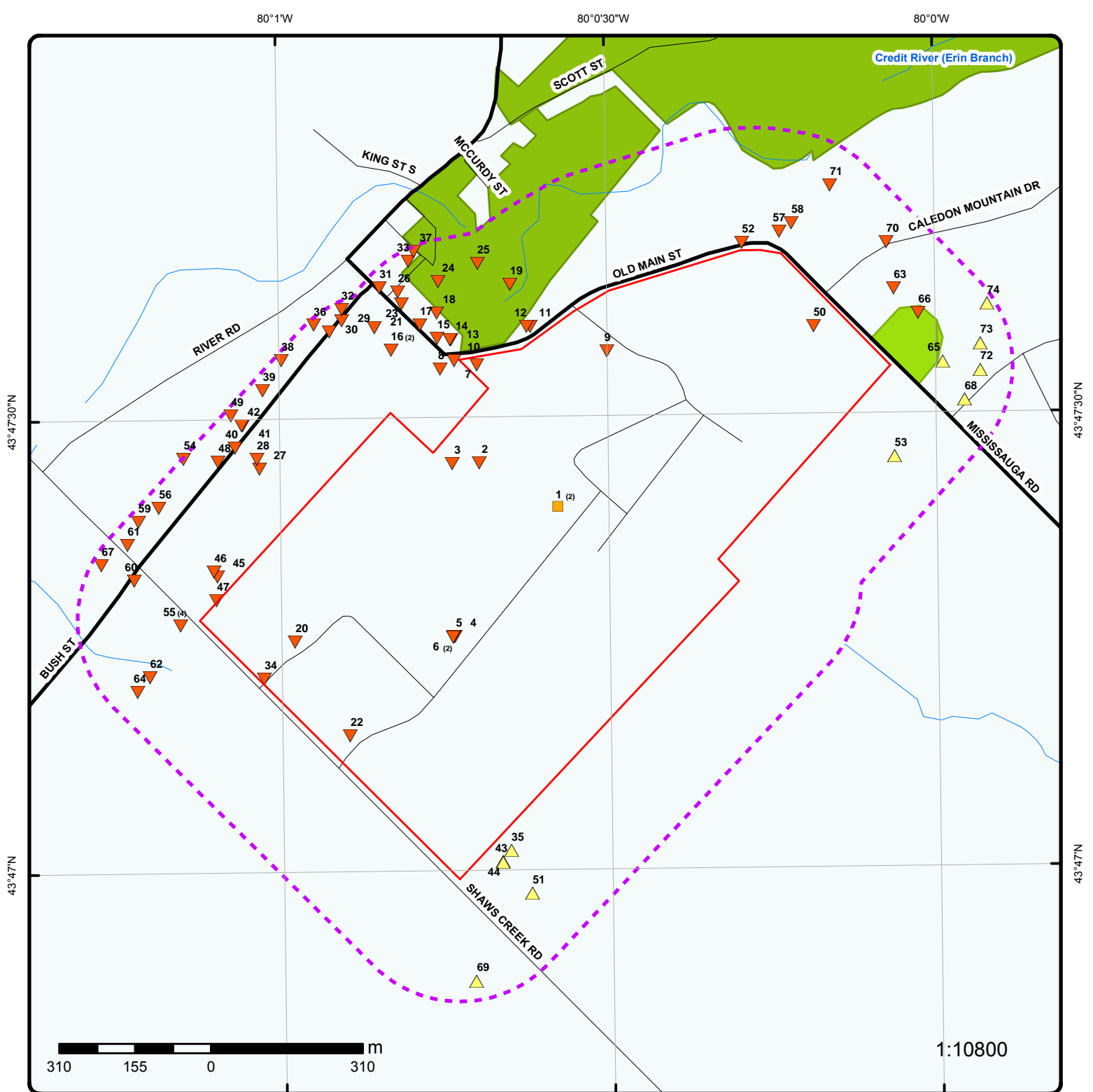
A search of the WWIS database, dated 1955-May 2013 has found that there are 73 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	lot 9 con 5 ON	0.0	<u>1</u>
	lot 9 con 5 ON	0.0	<u>1</u>
	lot 9 con 5 ON	0.0	<u>2</u>
	lot 9 con 5 ON	0.0	<u>3</u>
	lot 9 con 5 ON	0.0	<u>4</u>
	lot 9 con 5 ON	0.0	<u>5</u>
	lot 9 con 5 ON	0.0	<u>6</u>
	lot 9 con 5 ON	0.0	<u>6</u>
	lot 10 con 5 ON	0.0	<u>7</u>
	lot 9 con 5 ON	42.6	<u>8</u>
	lot 9 con 5 ON	0.0	<u>9</u>
	lot 9 con 5 ON	9.7	<u>10</u>
	lot 9 con 5 ON	27.3	<u>11</u>
	lot 10 con 5 ON	31.6	<u>12</u>
	lot 9 con 5 ON	45.0	<u>13</u>
	lot 10 con 5 ON	45.8	<u>14</u>
	lot 7 con 5 ON	62.6	<u>15</u>
	lot 10 con 5 ON	129.2	<u>16</u>
	lot 10 con 5 ON	129.2	<u>16</u>
	lot 5 con 5 ON	107.3	<u>17</u>
	lot 10 con 5 ON	106.1	<u>18</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	lot 10 con 5 ON	120.1	<u>19</u>
	lot 9 con 5 ON	0.0	<u>20</u>
	lot 9 con 5 ON	177.2	<u>21</u>
	lot 9 con 6 ON	0.0	<u>22</u>
	lot 9 con 5 ON	163.7	<u>23</u>
	lot 9 con 5 ON	166.4	<u>24</u>
	lot 9 con 5 ON	188.6	<u>25</u>
	lot 9 con 5 ON	186.6	<u>26</u>
	lot 10 con 5 ON	118.9	<u>27</u>
	lot 9 con 5 ON	137.5	<u>28</u>
	lot 10 con 5 ON	206.8	<u>30</u>
	lot 9 con 5 ON	219.8	<u>31</u>
	lot 9 con 5 ON	233.4	<u>32</u>
	lot 10 con 5 ON	226.9	<u>33</u>
	lot 9 con 5 ON	0.0	<u>34</u>
	lot 8 con 5 ON	36.6	<u>35</u>
	lot 10 con 5 ON	237.8	<u>36</u>
	lot 9 con 5 ON	240.4	<u>37</u>
	lot 10 con 5 ON	235.7	<u>38</u>
	lot 10 con 5 ON	223.2	<u>39</u>
	lot 10 con 5 ON	184.8	<u>40</u>
	lot 10 con 5 ON	204.1	<u>41</u>
	lot 10 con 5 ON	205.6	<u>42</u>
	lot 8 con 5 ON	39.9	<u>43</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	lot 8 con 5 ON	41.3	<u>44</u>
	lot 9 con 5 ON	33.8	<u>45</u>
	lot 9 con 5 ON	45.9	<u>46</u>
	lot 10 con 5 ON	191.0	<u>48</u>
	lot 10 con 5 ON	236.0	<u>49</u>
	lot 8 con 5 ON	127.5	<u>51</u>
	lot 9 con 4 ON	16.2	<u>52</u>
	lot 8 con 5 ON	129.2	<u>53</u>
	lot 10 con 5 ON	248.2	<u>54</u>
	lot 10 con 5 ON	217.5	<u>56</u>
	lot 9 con 4 ON	45.0	<u>57</u>
	lot 9 con 4 ON	65.8	<u>58</u>
	lot 10 con 5 ON	228.8	<u>59</u>
	lot 9 con 5 ON	156.1	<u>60</u>
	lot 22 con 6 ON	212.7	<u>61</u>
	lot 9 con 6 ON	154.2	<u>62</u>
	lot 8 con 4 ON	115.6	<u>63</u>
	lot 9 con 6 ON	192.6	<u>64</u>
	lot 8 con 4 ON	107.1	<u>65</u>
	lot 8 con 4 ON	116.2	<u>66</u>
	lot 10 con 6 ON	230.1	<u>67</u>
	lot 8 con 4 ON	166.8	<u>68</u>
	lot 8 con 6 ON	211.0	<u>69</u>
	lot 8 con 4 ON	170.7	<u>70</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	lot 9 con 4 ON	172.4	<u>71</u>
	lot 8 con 4 ON	184.0	<u>72</u>
	lot 8 con 4 ON	189.3	<u>73</u>
	lot 8 con 4 ON	234.5	<u>74</u>



Map

Order No: 20140515015

Address: Mississauga Rd Old Main St, Caledon, 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		Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		

80°1'W

43°48'N

43°48'N

43°47'N

43°47'N

275 137.5 0 275 m

1:10900

Aerial

Order No: 20140515015

Address: Mississauga Rd Old Main St, Caledon, ON

Source: ESRI World Imagery, Updated December 2012

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Detail Report

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
1	1 of 2	-/0.0	405.0	lot 9 con 5 ON	WWIS
Well ID: 4908977				Lot: 009	
Concession: 05				Concession Name: HS W	
County: PEEL				Municipality: CALEDON TOWN (CALEDON TWP)	
Easting Nad83: 579679.4				Northing Nad83: 4849026	
Zone: 17				Utm Reliability: unknown UTM	
Primary Water Use:				Construction Date: 09-APR-02	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status: Abandoned-Other	
Construction Method: Not Known				Flowing (y/n):	
Elevation (m): 405.79				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock: No formation data	
Water Type:				Casing Material:	
1	2 of 2	-/0.0	405.0	lot 9 con 5 ON	WWIS
Well ID: 4908979				Lot: 009	
Concession: 05				Concession Name: HS W	
County: PEEL				Municipality: CALEDON TOWN (CALEDON TWP)	
Easting Nad83: 579679.4				Northing Nad83: 4849026	
Zone: 17				Utm Reliability: unknown UTM	
Primary Water Use: Domestic				Construction Date: 04-APR-02	
Sec. Water Use:				Well Depth: 9 ft	
Pump Rate: 5 GPM				Static Water Level: 67 ft	
Flow Rate:				Clear/Cloudy: CLEAR	
Specific Capacity:				Final Well Status: Water Supply	
Construction Method: Rotary (Air)				Flowing (y/n): N	
Elevation (m): 405.79				Elevation Reliability:	
Depth to Bedrock: 53				Overburden/Bedrock: Bedrock	
Water Type: Not stated				Casing Material: OPEN HOLE,PLASTIC,STEEL	
--- Details ---					
Thickness: 1 ft				Original Depth: 1 ft	
Material Colour: BLACK				Material: TOPSOIL	
+					
Thickness: 8 ft				Original Depth: 9 ft	
Material Colour: BROWN				Material: GRAVEL, SILT	
+					
Thickness: 15 ft				Original Depth: 24 ft	
Material Colour: BROWN				Material: GRAVEL, SAND, SILT	
+					
Thickness: 8 ft				Original Depth: 32 ft	
Material Colour: GREY				Material: SAND, GRAVEL	
+					
Thickness: 21 ft				Original Depth: 53 ft	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:	BROWN			Material:	GRAVEL, SILT, STONES
+					
Thickness:	15 ft			Original Depth:	68 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	7 ft			Original Depth:	75 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	35 ft			Original Depth:	110 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	26 ft			Original Depth:	136 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	12 ft			Original Depth:	148 ft
Material Colour:	RED			Material:	SHALE, LIMESTONE, LAYERED
+					
Thickness:	30 ft			Original Depth:	178 ft
Material Colour:	RED			Material:	SHALE, LAYERED

<u>2</u>	1 of 1	-/0.0	397.9	lot 9 con 5 ON	WWIS
Well ID:	4908686			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579519			Northing Nad83:	4849115
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	09-FEB-01
Sec. Water Use:				Well Depth:	60 ft
Pump Rate:	9 GPM			Static Water Level:	77 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	399.35			Elevation Reliability:	
Depth to Bedrock:	60			Overburden/Bedrock:	Bedrock
Water Type:	Not stated			Casing Material:	OPEN HOLE,PLASTIC,STEEL
--- Details ---					
Thickness:	3 ft			Original Depth:	3 ft
Material Colour:				Material:	FILL
+					
Thickness:	10 ft			Original Depth:	13 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	18 ft			Original Depth:	31 ft
Material Colour:	BROWN			Material:	GRAVEL, CLAY
+					
Thickness:	17 ft			Original Depth:	48 ft
Material Colour:				Material:	SAND, GRAVEL
+					
Thickness:	12 ft			Original Depth:	60 ft
Material Colour:	GREY			Material:	CLAY, SILTY
+					
Thickness:	92 ft			Original Depth:	152 ft
Material Colour:	BLUE			Material:	SHALE, LAYERED
+					
Thickness:	24 ft			Original Depth:	176 ft
Material Colour:	RED			Material:	SHALE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
3	1 of 1	-/0.0	395.0	lot 9 con 5 ON	WWIS
Well ID: 4909426		Lot: 009			
Concession: 05		Concession Name: HS W			
County: PEEL		Municipality: CALEDON TOWN (CALEDON TWP)			
Easting Nad83: 579463		Northing Nad83: 4849114			
Zone: 17		Utm Reliability: margin of error : 100 m - 300 m			
Primary Water Use: Domestic		Construction Date: 27-APR-04			
Sec. Water Use:		Well Depth: 8 ft			
Pump Rate: 5 GPM		Static Water Level: 65 ft			
Flow Rate:		Clear/Cloudy: CLEAR			
Specific Capacity:		Final Well Status: Water Supply			
Construction Method: Cable Tool		Flowing (y/n):			
Elevation (m): 395.9		Elevation Reliability:			
Depth to Bedrock: 184		Overburden/Bedrock: Bedrock			
Water Type: FRESH		Casing Material: OPEN HOLE,PLASTIC,STEEL			
--- Details ---					
Thickness: 8 ft		Original Depth: 8 ft			
Material Colour: BROWN		Material: SAND, STONES			
+					
Thickness: 17 ft		Original Depth: 25 ft			
Material Colour: BROWN		Material: CLAY, STONES			
+					
Thickness: 31 ft		Original Depth: 56 ft			
Material Colour: GREY		Material: CLAY, STONES			
+					
Thickness: 3 ft		Original Depth: 59 ft			
Material Colour: WHITE		Material: LIMESTONE			
+					
Thickness: 46 ft		Original Depth: 105 ft			
Material Colour: RED		Material: SHALE, LAYERED			
+					
Thickness: 35 ft		Original Depth: 140 ft			
Material Colour: GREY		Material: LIMESTONE			
+					
Thickness: 10 ft		Original Depth: 150 ft			
Material Colour: RED		Material: SHALE			
4	1 of 1	-/0.0	404.5	lot 9 con 5 ON	WWIS
Well ID: 4906841		Lot: 009			
Concession: 05		Concession Name: CON			
County: PEEL		Municipality: CALEDON TOWN (CALEDON TWP)			
Easting Nad83: 579469.3		Northing Nad83: 4848760			
Zone: 17		Utm Reliability: margin of error : 10 - 30 m			
Primary Water Use: Not Used		Construction Date: 12-APR-88			
Sec. Water Use:		Well Depth: 60 ft			
Pump Rate:		Static Water Level:			
Flow Rate:		Clear/Cloudy:			
Specific Capacity:		Final Well Status: Unfinished			
Construction Method: Rotary (Convent.)		Flowing (y/n):			
Elevation (m): 402.28		Elevation Reliability:			
Depth to Bedrock:		Overburden/Bedrock: Overburden			
Water Type: FRESH		Casing Material:			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	58 ft			Original Depth:	60 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL, SILT
<u>5</u>	1 of 1	-/0.0	404.3	lot 9 con 5 ON	WWIS
Well ID:	4906840			Lot:	009
Concession:	05			Concession Name:	CON
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579466.3			Northing Nad83:	4848761
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	10-APR-88
Sec. Water Use:				Well Depth:	83 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):	401.97			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	81 ft			Original Depth:	83 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL, SILT
<u>6</u>	1 of 2	-/0.0	404.3	lot 9 con 5 ON	WWIS
Well ID:	4906845			Lot:	009
Concession:	05			Concession Name:	CON
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579466.3			Northing Nad83:	4848759
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	26-APR-88
Sec. Water Use:				Well Depth:	9 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	401.74			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	PLASTIC
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	7 ft			Original Depth:	9 ft
Material Colour:	BROWN			Material:	TILL, SAND, SILTY
<u>6</u>	2 of 2	-/0.0	404.2	lot 9 con 5	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
ON					
Well ID:	4907143			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579465.3			Northing Nad83:	4848760
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	02-JUL-89
Sec. Water Use:				Well Depth:	79 ft
Pump Rate:	25 GPM			Static Water Level:	58 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	401.71			Elevation Reliability:	
Depth to Bedrock:	79			Overburden/Bedrock:	Bedrock
Water Type:	FRESH,SALTY,FRESH,SALTY			Casing Material:	GALVANIZED,PLASTIC
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	34 ft			Original Depth:	35 ft
Material Colour:				Material:	FINE SAND, GRAVEL, STONES
+					
Thickness:	44 ft			Original Depth:	79 ft
Material Colour:	BROWN			Material:	GRAVEL, SILT
+					
Thickness:	24 ft			Original Depth:	103 ft
Material Colour:	GREY			Material:	ROCK
+					
Thickness:	5 ft			Original Depth:	108 ft
Material Colour:	GREY			Material:	ROCK
+					
Thickness:	8 ft			Original Depth:	116 ft
Material Colour:	BROWN			Material:	ROCK
+					
Thickness:	3 ft			Original Depth:	119 ft
Material Colour:	BLACK			Material:	SHALE
7 1 of 1 -/0.0 389.5 lot 10 con 5 ON WWIS					
Well ID:	4906378			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579513.3			Northing Nad83:	4849315
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	18-JAN-86
Sec. Water Use:				Well Depth:	56 ft
Pump Rate:	5 GPM			Static Water Level:	12 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	390.43			Elevation Reliability:	
Depth to Bedrock:	30			Overburden/Bedrock:	Overburden below Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	13 ft			Original Depth:	13 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL, LOOSE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+	Thickness: 14 ft Material Colour: BROWN			Original Depth: 27 ft Material: GRAVEL, SAND, LOOSE	
+	Thickness: 3 ft Material Colour: BLUE			Original Depth: 30 ft Material: CLAY, , LOOSE	
+	Thickness: 25 ft Material Colour: GREY			Original Depth: 55 ft Material: LIMESTONE, , HARD	
+	Thickness: 1 ft Material Colour: BLUE			Original Depth: 56 ft Material: CLAY, , HARD	

9	1 of 1	-/0.0	392.1	lot 9 con 5 ON	WWIS
Well ID:	4901006			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579779.4			Northing Nad83:	4849344
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Livestock			Construction Date:	09-MAR-59
Sec. Water Use:	Domestic			Well Depth:	50 ft
Pump Rate:	10 GPM			Static Water Level:	45 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	391.75			Elevation Reliability:	
Depth to Bedrock:	49			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	27 ft			Original Depth:	27 ft
Material Colour:				Material:	GRAVEL, STONES
+	Thickness: 5 ft			Original Depth:	32 ft
Material Colour:				Material:	BOULDERS
+	Thickness: 13 ft			Original Depth:	45 ft
Material Colour:				Material:	GRAVEL, MEDIUM SAND
+	Thickness: 4 ft			Original Depth:	49 ft
Material Colour:				Material:	MEDIUM SAND
+	Thickness: 1 ft			Original Depth:	50 ft
Material Colour:	WHITE			Material:	LIMESTONE

20	1 of 1	-/0.0	403.9	lot 9 con 5 ON	WWIS
Well ID:	7109610			Lot:	009
Concession:	05			Concession Name:	
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579143			Northing Nad83:	4848750
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	19-JUN-08
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	37.2 ft
Flow Rate:				Clear/Cloudy:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Specific Capacity: Construction Method: Elevation (m): 404.3 Depth to Bedrock: Water Type:				Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	Abandoned-Supply N STEEL
--- Details --- Thickness: ft Material Colour:				Original Depth: Material:	ft
22	1 of 1	-/0.0	404.0	lot 9 con 6 ON	WWIS
Well ID: 4908348 Concession: 06 County: PEEL Easting Nad83: 579255.3 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 6 GPM Flow Rate: Specific Capacity: Construction Method: Rotary (Air) Elevation (m): 403.11 Depth to Bedrock: 89 Water Type: FRESH				Lot: 009 Concession Name: HS W Municipality: CALEDON TOWN (CALEDON TWP) Northing Nad83: 4848557 Utm Reliability: margin of error : 10 - 30 m Construction Date: 07-JUL-98 Well Depth: 94 ft Static Water Level: 48 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL	
--- Details --- Thickness: 1 ft Material Colour:				Original Depth: Material:	1 ft TOPSOIL
+ Thickness: 50 ft Material Colour: BROWN				Original Depth: Material:	51 ft CLAY, STONES, GRAVEL
+ Thickness: 21 ft Material Colour: GREY				Original Depth: Material:	72 ft CLAY, SILTY
+ Thickness: 8 ft Material Colour: BROWN				Original Depth: Material:	80 ft QUICKSAND, WATER-BEARING
+ Thickness: 9 ft Material Colour: GREY				Original Depth: Material:	89 ft GRAVEL, STONES, CLAY
+ Thickness: 5 ft Material Colour: BLUE				Original Depth: Material:	94 ft GRANITE, BOULDERS
+ Thickness: 27 ft Material Colour: BLUE-GREY				Original Depth: Material:	121 ft LIMESTONE
+ Thickness: 14 ft Material Colour: GREY				Original Depth: Material:	135 ft LIMESTONE
+ Thickness: 3 ft Material Colour: GREY				Original Depth: Material:	138 ft LIMESTONE, DARK-COLOURED
34	1 of 1	-/0.0	404.3	lot 9 con 5 ON	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7140490			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579080			Northing Nad83:	4848673
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	20-OCT-09
Sec. Water Use:				Well Depth:	72 ft
Pump Rate:	45 GPM			Static Water Level:	52.8 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):	404.08			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	42 ft			Original Depth:	43 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL, STONES
+					
Thickness:	16 ft			Original Depth:	59 ft
Material Colour:	BROWN			Material:	FINE SAND
+					
Thickness:	6 ft			Original Depth:	65 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL
+					
Thickness:	7 ft			Original Depth:	72 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	40 ft			Original Depth:	112 ft
Material Colour:	GREY			Material:	LIMESTONE
50	1 of 1	-/0.0	398.7	ON	BORE
Borehole ID:	590328			Type:	Outcrop
Use:				Status:	Unknown
Drill Method:				UTM Zone:	17
Easting:	580201.000			Northing:	4849395.000
Location Accuracy:				Orig. Ground Elev m:	398
Elev. Reliability Note:				DEM Ground Elev m:	398.399994
Total Depth m:	3			Primary Name:	OGS-OLW-62-1875
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218339593			Top Depth m:	0
Bottom Depth m:	3			Stratum Desc:	csa gr
8	1 of 1	NNW/42.6	385.9	lot 9 con 5 ON	WWIS
Well ID:	4904555			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	579438.3 17 Domestic 5 GPM Cable Tool 386.76 43 FRESH			Northing Nad83: 4849307 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 09-APR-74 Well Depth: 48 ft Static Water Level: 9 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL	
--- Details ---					
Thickness:	3 ft			Original Depth:	3 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	25 ft			Original Depth:	28 ft
Material Colour:	BROWN			Material:	CLAY, BOULDERS
+					
Thickness:	15 ft			Original Depth:	43 ft
Material Colour:	WHITE			Material:	GRAVEL, SAND
+					
Thickness:	5 ft			Original Depth:	48 ft
Material Colour:	WHITE			Material:	LIMESTONE

10	1 of 1	NNW/9.7	386.0	lot 9 con 5 ON	WWIS
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	4907667 05 PEEL 579467.3 17 Domestic 3 GPM Rotary (Air) 388.14 61 Not stated			Lot: 009 Concession Name: HS W Municipality: CALEDON TOWN (CALEDON TWP) Northing Nad83: 4849324 Utm Reliability: margin of error : 10 - 30 m Construction Date: 22-JUL-92 Well Depth: 66 ft Static Water Level: 54 ft Clear/Cloudy: CLOUDY Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL	
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	19 ft			Original Depth:	20 ft
Material Colour:				Material:	SAND, GRAVEL, STONES
+					
Thickness:	41 ft			Original Depth:	61 ft
Material Colour:	BROWN			Material:	CLAY, SAND, GRAVEL
+					
Thickness:	5 ft			Original Depth:	66 ft
Material Colour:	RED			Material:	SHALE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
+					
Thickness:	37 ft			Original Depth:	103 ft
Material Colour:	BLUE			Material:	SHALE
<hr/>					
11	1 of 1	N/27.3	379.8	lot 9 con 5 ON	WWIS
Well ID:	4901011			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579622.4			Northing Nad83:	4849394
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	21-JUN-65
Sec. Water Use:				Well Depth:	48 ft
Pump Rate:	3 GPM			Static Water Level:	38 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	385.02			Elevation Reliability:	
Depth to Bedrock:	12			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	12 ft			Original Depth:	12 ft
Material Colour:				Material:	PREVIOUSLY DUG
+					
Thickness:	36 ft			Original Depth:	48 ft
Material Colour:	GREY			Material:	LIMESTONE
<hr/>					
12	1 of 1	N/31.6	378.8	lot 10 con 5 ON	WWIS
Well ID:	4908259			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579615			Northing Nad83:	4849394
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	25-SEP-97
Sec. Water Use:				Well Depth:	63 ft
Pump Rate:	2 GPM			Static Water Level:	76 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	384.25			Elevation Reliability:	
Depth to Bedrock:	42			Overburden/Bedrock:	Mixed in a Layer
Water Type:	FRESH			Casing Material:	PLASTIC,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	14 ft			Original Depth:	15 ft
Material Colour:	BROWN			Material:	GRAVEL, SANDY, ROCK
+					
Thickness:	27 ft			Original Depth:	42 ft
Material Colour:	BROWN			Material:	GRAVEL, CLAY

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	12 ft			Original Depth:	54 ft
Material Colour:	GREY			Material:	CLAY, ROCK
+					
Thickness:	9 ft			Original Depth:	63 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	42 ft			Original Depth:	105 ft
Material Colour:	GREEN			Material:	SHALE
+					
Thickness:	24 ft			Original Depth:	129 ft
Material Colour:	GREY			Material:	LIMESTONE, SHALE
+					
Thickness:	13 ft			Original Depth:	142 ft
Material Colour:	GREY			Material:	SANDSTONE
+					
Thickness:	7 ft			Original Depth:	149 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	2 ft			Original Depth:	151 ft
Material Colour:	GREEN			Material:	SHALE
+					
Thickness:	19 ft			Original Depth:	170 ft
Material Colour:	RED			Material:	SHALE
13	1 of 1	NNW/45.0	380.5	lot 9 con 5 ON	WWIS
Well ID:	4901008			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579460.3			Northing Nad83:	4849367
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	09-APR-62
Sec. Water Use:				Well Depth:	60 ft
Pump Rate:	8 GPM			Static Water Level:	17 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	384.37			Elevation Reliability:	
Depth to Bedrock:	42			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	17 ft			Original Depth:	18 ft
Material Colour:				Material:	STONES, GRAVEL
+					
Thickness:	24 ft			Original Depth:	42 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
+					
Thickness:	12 ft			Original Depth:	54 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	6 ft			Original Depth:	60 ft
Material Colour:	BLUE			Material:	SHALE
<hr/>					
14	1 of 1	NNW/45.8	380.6	lot 10 con 5 ON	WWIS
Well ID:	4907142			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579458.3			Northing Nad83:	4849367
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	04-JUL-89
Sec. Water Use:				Well Depth:	86 ft
Pump Rate:	3 GPM			Static Water Level:	37 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	384.29			Elevation Reliability:	
Depth to Bedrock:	60			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	PLASTIC,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	48 ft			Original Depth:	49 ft
Material Colour:	BROWN			Material:	CLAY, SILT, GRAVEL
+					
Thickness:	11 ft			Original Depth:	60 ft
Material Colour:	BLUE			Material:	CLAY
+					
Thickness:	5 ft			Original Depth:	65 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	5 ft			Original Depth:	70 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	5 ft			Original Depth:	75 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	11 ft			Original Depth:	86 ft
Material Colour:	BLUE			Material:	SHALE
<hr/>					
15	1 of 1	NNW/62.6	381.8	lot 7 con 5 ON	WWIS
Well ID:	4907566			Lot:	007
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	579432.3 17 Domestic 3 GPM Rotary (Air) 383.73 42 Not stated			Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	4849369 margin of error : 10 - 30 m 07-OCT-91 96 ft 21 ft CLOUDY Water Supply N Bedrock OPEN HOLE,PLASTIC,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	10 ft			Original Depth:	11 ft
Material Colour:	BROWN			Material:	STONES, GRAVEL
+					
Thickness:	31 ft			Original Depth:	42 ft
Material Colour:	GREY			Material:	GRAVEL, CLAY
+					
Thickness:	13 ft			Original Depth:	55 ft
Material Colour:	GREY			Material:	LIMESTONE, FRACTURED
+					
Thickness:	5 ft			Original Depth:	60 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	9 ft			Original Depth:	69 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	27 ft			Original Depth:	96 ft
Material Colour:	BLUE			Material:	SHALE
<u>16</u>	1 of 2	NW/129.2	385.4	lot 10 con 5 ON	WWIS
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	4906310 05 PEEL 579338.3 17 Public 5 GPM Cable Tool 385.53 FRESH			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	010 HS W CALEDON TOWN (CALEDON TWP) 4849346 margin of error : 10 - 30 m 31-MAY-85 40 ft 20 ft CLEAR Water Supply N Overburden STEEL
--- Details ---					
Thickness:	35 ft			Original Depth:	35 ft
Material Colour:	BROWN			Material:	CLAY, STONES

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
+					
Thickness:	3 ft			Original Depth:	38 ft
Material Colour:	RED			Material:	CLAY, GRAVEL
+					
Thickness:	2 ft			Original Depth:	40 ft
Material Colour:				Material:	GRAVEL, SAND
<hr/>					
16	2 of 2	NW/129.2	385.4	lot 10 con 5 ON	WWIS
Well ID:	4906673			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579338.3			Northing Nad83:	4849346
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	19-AUG-87
Sec. Water Use:				Well Depth:	85 ft
Pump Rate:	3 GPM			Static Water Level:	57 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	385.53			Elevation Reliability:	
Depth to Bedrock:	60			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	35 ft			Original Depth:	35 ft
Material Colour:	BROWN			Material:	CLAY, SAND, STONES
+					
Thickness:	10 ft			Original Depth:	45 ft
Material Colour:	RED			Material:	CLAY, GRAVEL
+					
Thickness:	15 ft			Original Depth:	60 ft
Material Colour:	GREY			Material:	CLAY, GRAVEL
+					
Thickness:	25 ft			Original Depth:	85 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	20 ft			Original Depth:	105 ft
Material Colour:	GREY			Material:	ROCK
+					
Thickness:	15 ft			Original Depth:	120 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	10 ft			Original Depth:	130 ft
Material Colour:	RED			Material:	SHALE
<hr/>					
17	1 of 1	NNW/107.3	381.3	lot 5 con 5 ON	WWIS
Well ID:	4906377			Lot:	005
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
<hr/>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Easting Nad83:</i> <i>Zone:</i> <i>Primary Water Use:</i> <i>Sec. Water Use:</i> <i>Pump Rate:</i> <i>Flow Rate:</i> <i>Specific Capacity:</i> <i>Construction Method:</i> <i>Elevation (m):</i> <i>Depth to Bedrock:</i> <i>Water Type:</i>	579397.3 17 Domestic 3 GPM Cable Tool 384.49 45 Not stated			<i>Northing Nad83:</i> <i>Utm Reliability:</i> <i>Construction Date:</i> <i>Well Depth:</i> <i>Static Water Level:</i> <i>Clear/Cloudy:</i> <i>Final Well Status:</i> <i>Flowing (y/n):</i> <i>Elevation Reliability:</i> <i>Overburden/Bedrock:</i> <i>Casing Material:</i>	4849397 margin of error : 10 - 30 m 10-OCT-91 51 ft 56 ft CLOUDY Water Supply N Bedrock OPEN HOLE,STEEL
--- Details ---					
<i>Thickness:</i>	40 ft			<i>Original Depth:</i>	40 ft
<i>Material Colour:</i>				<i>Material:</i>	PREV. DRILLED
+					
<i>Thickness:</i>	5 ft			<i>Original Depth:</i>	45 ft
<i>Material Colour:</i>	GREY			<i>Material:</i>	CLAY, , LOOSE
+					
<i>Thickness:</i>	6 ft			<i>Original Depth:</i>	51 ft
<i>Material Colour:</i>	RED			<i>Material:</i>	SHALE, , HARD
+					
<i>Thickness:</i>	79 ft			<i>Original Depth:</i>	130 ft
<i>Material Colour:</i>	GREY			<i>Material:</i>	LIMESTONE
+					
<i>Thickness:</i>	10 ft			<i>Original Depth:</i>	140 ft
<i>Material Colour:</i>	RED			<i>Material:</i>	SHALE
18	1 of 1	NNW/106.1	375.1	lot 10 con 5 ON	WWIS
<i>Well ID:</i> <i>Concession:</i> <i>County:</i> <i>Easting Nad83:</i> <i>Zone:</i> <i>Primary Water Use:</i> <i>Sec. Water Use:</i> <i>Pump Rate:</i> <i>Flow Rate:</i> <i>Specific Capacity:</i> <i>Construction Method:</i> <i>Elevation (m):</i> <i>Depth to Bedrock:</i> <i>Water Type:</i>	4907527 05 PEEL 579431.3 17 Domestic 4 GPM Cable Tool 376.18 39 FRESH			<i>Lot:</i> <i>Concession Name:</i> <i>Municipality:</i> <i>Northing Nad83:</i> <i>Utm Reliability:</i> <i>Construction Date:</i> <i>Well Depth:</i> <i>Static Water Level:</i> <i>Clear/Cloudy:</i> <i>Final Well Status:</i> <i>Flowing (y/n):</i> <i>Elevation Reliability:</i> <i>Overburden/Bedrock:</i> <i>Casing Material:</i>	010 HS W CALEDON TOWN (CALEDON TWP) 4849421 margin of error : 10 - 30 m 31-AUG-90 44 ft 16 ft CLOUDY Water Supply N Overburden below Bedrock OPEN HOLE,STEEL
--- Details ---					
<i>Thickness:</i>	1 ft			<i>Original Depth:</i>	1 ft
<i>Material Colour:</i>	BLACK			<i>Material:</i>	TOPSOIL
+					
<i>Thickness:</i>	20 ft			<i>Original Depth:</i>	21 ft
<i>Material Colour:</i>	BROWN			<i>Material:</i>	CLAY, STONES
+					
<i>Thickness:</i>	18 ft			<i>Original Depth:</i>	39 ft
<i>Material Colour:</i>	GREY			<i>Material:</i>	GRAVEL, CLAY

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	4 ft			Original Depth:	43 ft
Material Colour:	BROWN			Material:	LIMESTONE, BOULDERS
+					
Thickness:	1 ft			Original Depth:	44 ft
Material Colour:	GREY			Material:	GRAVEL
19	1 of 1	N/120.1	358.6	lot 10 con 5 ON	WWIS
Well ID:	4901018			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579581.4			Northing Nad83:	4849479
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	16-MAY-62
Sec. Water Use:				Well Depth:	75 ft
Pump Rate:	1 GPM			Static Water Level:	50 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	357.69			Elevation Reliability:	
Depth to Bedrock:	19			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	5 ft			Original Depth:	5 ft
Material Colour:				Material:	GRAVEL, STONES
+					
Thickness:	14 ft			Original Depth:	19 ft
Material Colour:	GREY			Material:	GRAVEL, CLAY
+					
Thickness:	39 ft			Original Depth:	58 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	17 ft			Original Depth:	75 ft
Material Colour:	RED			Material:	SHALE
21	1 of 1	NW/177.2	384.4	lot 9 con 5 ON	WWIS
Well ID:	4901010			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579304.3			Northing Nad83:	4849391
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	29-MAR-65
Sec. Water Use:				Well Depth:	36 ft
Pump Rate:	5 GPM			Static Water Level:	20 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	384.76			Elevation Reliability:	
Depth to Bedrock:	36			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Thickness:	25 ft			Original Depth:	25 ft
Material Colour:				Material:	HARDPAN, BOULDERS
+					
Thickness:	11 ft			Original Depth:	36 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	84 ft			Original Depth:	120 ft
Material Colour:	RED			Material:	SHALE
23	1 of 1	NNW/163.7	378.7	lot 9 con 5 ON	WWIS
Well ID:	4908028			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579359.3			Northing Nad83:	4849439
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	17-AUG-95
Sec. Water Use:				Well Depth:	75 ft
Pump Rate:	3 GPM			Static Water Level:	45 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	381.16			Elevation Reliability:	
Depth to Bedrock:	33			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,PLASTIC,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	5 ft			Original Depth:	6 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	16 ft			Original Depth:	22 ft
Material Colour:	BROWN			Material:	CLAY, STONES, GRAVEL
+					
Thickness:	11 ft			Original Depth:	33 ft
Material Colour:	GREY			Material:	GRAVEL, CLAY
+					
Thickness:	7 ft			Original Depth:	40 ft
Material Colour:	RED			Material:	SHALE, SOFT
+					
Thickness:	10 ft			Original Depth:	50 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	2 ft			Original Depth:	52 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	10 ft			Original Depth:	62 ft
Material Colour:	BLUE			Material:	SHALE, SOFT, LAYERED

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
+					
Thickness:	2 ft			Original Depth:	64 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	11 ft			Original Depth:	75 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	36 ft			Original Depth:	111 ft
Material Colour:	GREY			Material:	SHALE, LIMESTONE, HARD
<hr/>					
24	1 of 1	NNW/166.4	370.0	lot 9 con 5 ON	WWIS
Well ID:	4904816			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579434.3			Northing Nad83:	4849486
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	23-DEC-75
Sec. Water Use:				Well Depth:	78 ft
Pump Rate:	5 GPM			Static Water Level:	38 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	370.68			Elevation Reliability:	
Depth to Bedrock:	47			Overburden/Bedrock:	Mixed in a Layer
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	25 ft			Original Depth:	25 ft
Material Colour:	BROWN			Material:	SAND, BOULDERS
+					
Thickness:	3 ft			Original Depth:	28 ft
Material Colour:	RED			Material:	SAND, CLAY
+					
Thickness:	2 ft			Original Depth:	30 ft
Material Colour:	GREY			Material:	SAND, CLAY
+					
Thickness:	3 ft			Original Depth:	33 ft
Material Colour:	RED			Material:	SAND, CLAY
+					
Thickness:	14 ft			Original Depth:	47 ft
Material Colour:	GREY			Material:	SAND, CLAY
+					
Thickness:	11 ft			Original Depth:	58 ft
Material Colour:	GREY			Material:	STONES, ROCK
+					
Thickness:	20 ft			Original Depth:	78 ft
Material Colour:	GREY			Material:	ROCK
<hr/>					
25	1 of 1	NNW/188.6	363.5	lot 9 con 5 ON	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	4905490			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579514.4			Northing Nad83:	4849523
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	18-OCT-77
Sec. Water Use:				Well Depth:	95 ft
Pump Rate:	5 GPM			Static Water Level:	57 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	361.7			Elevation Reliability:	
Depth to Bedrock:	95			Overburden/Bedrock:	Mixed in a Layer
Water Type:	Not stated			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	48 ft			Original Depth:	48 ft
Material Colour:	BROWN			Material:	COARSE GRAVEL, STONES
+					
Thickness:	32 ft			Original Depth:	80 ft
Material Colour:	GREY			Material:	CLAY, STONES
+					
Thickness:	15 ft			Original Depth:	95 ft
Material Colour:	GREY			Material:	CLAY, SOFT
+					
Thickness:	17 ft			Original Depth:	112 ft
Material Colour:	GREY			Material:	CLAY, ROCK
+					
Thickness:	31 ft			Original Depth:	143 ft
Material Colour:	GREY			Material:	ROCK, CLAY
+					
Thickness:	37 ft			Original Depth:	180 ft
Material Colour:	RED			Material:	SHALE
26	1 of 1	NNW/186.6	377.6	lot 9 con 5 ON	WWIS
Well ID:	4901007			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579352.3			Northing Nad83:	4849464
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	04-APR-62
Sec. Water Use:				Well Depth:	73 ft
Pump Rate:	10 GPM			Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	379.52			Elevation Reliability:	
Depth to Bedrock:	38			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:				Material:	TOPSOIL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	13 ft			Original Depth:	15 ft
Material Colour:				Material:	CLAY, BOULDERS
+					
Thickness:	23 ft			Original Depth:	38 ft
Material Colour:	BROWN			Material:	CLAY
+					
Thickness:	35 ft			Original Depth:	73 ft
Material Colour:	RED			Material:	SHALE

27	1 of 1	WNW/118.9	391.7	lot 10 con 5 ON	WWIS
Well ID:	4908260			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579070.3			Northing Nad83:	4849102
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	22-OCT-97
Sec. Water Use:				Well Depth:	98 ft
Pump Rate:	3 GPM			Static Water Level:	35 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	393.75			Elevation Reliability:	
Depth to Bedrock:	98			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	30 ft			Original Depth:	30 ft
Material Colour:	BROWN			Material:	CLAY, SAND, STONES
+					
Thickness:	68 ft			Original Depth:	98 ft
Material Colour:	BROWN			Material:	CLAY, SAND, GRAVEL
+					
Thickness:	56 ft			Original Depth:	154 ft
Material Colour:	BLUE-GREY			Material:	SHALE
+					
Thickness:	6 ft			Original Depth:	160 ft
Material Colour:	RED			Material:	SHALE

28	1 of 1	WNW/137.5	390.3	lot 9 con 5 ON	WWIS
Well ID:	4905356			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579064.3			Northing Nad83:	4849123
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	05-MAY-78
Sec. Water Use:				Well Depth:	98 ft
Pump Rate:	12 GPM			Static Water Level:	55 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elevation (m):	390.83			Elevation Reliability:	
Depth to Bedrock:	98			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	3 ft			Original Depth:	3 ft
Material Colour:	GREY			Material:	CLAY, STONES, SOFT
+					
Thickness:	7 ft			Original Depth:	10 ft
Material Colour:	BROWN			Material:	STONES, SAND, CLAY
+					
Thickness:	11 ft			Original Depth:	21 ft
Material Colour:	BROWN			Material:	SAND, CLAY, BOULDERS
+					
Thickness:	54 ft			Original Depth:	75 ft
Material Colour:	GREY			Material:	CLAY, SAND, BOULDERS
+					
Thickness:	2 ft			Original Depth:	77 ft
Material Colour:	RED			Material:	CLAY, SAND, STONES
+					
Thickness:	21 ft			Original Depth:	98 ft
Material Colour:	BLUE			Material:	CLAY, SAND, HARD
+					
Thickness:	7 ft			Original Depth:	105 ft
Material Colour:	GREY			Material:	SHALE, CLAY, SAND
+					
Thickness:	30 ft			Original Depth:	135 ft
Material Colour:	GREY			Material:	LIMESTONE, SHALE, LAYERED
+					
Thickness:	3 ft			Original Depth:	138 ft
Material Colour:	RED			Material:	SANDSTONE, SOFT
+					
Thickness:	2 ft			Original Depth:	140 ft
Material Colour:	GREY			Material:	SANDSTONE, HARD
+					
Thickness:	33 ft			Original Depth:	173 ft
Material Colour:	RED			Material:	SHALE, SANDSTONE, SOFT

[29](#)

1 of 1

NW/212.7

384.7

**HIGHLAND WELLS
763 BUSH ST BELFOUNTAIN N.W.
CORNER OF CALEDON TWP
CALEDON TOWN ON**

[SPL](#)

Ref No.: 170868
Incident Dt: 7/29/1999
MOE Reported Dt: 7/29/1999
Contaminant Name:
Contaminant Quantity:
Incident Summary: HIGHLAND WELLS: DRILLING OPERATION SLURRY DSCHRGEDTO BELFOUNTAIN CREEK
Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE
Incident Reason: NEGLIGENCE (APPARENT)
Nature of Impact: Water course or lake

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Receiving Medium: Environmental Impact:		WATER POSSIBLE			
30	1 of 1	NW/206.8	384.8	lot 10 con 5 ON	WWIS
Well ID:	4908201			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579212.3			Northing Nad83:	4849382
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	22-APR-97
Sec. Water Use:				Well Depth:	99 ft
Pump Rate:				Static Water Level:	68 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	384.85			Elevation Reliability:	
Depth to Bedrock:	99			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	18 ft			Original Depth:	18 ft
Material Colour:	BROWN			Material:	CLAY, BOULDERS, DENSE
+					
Thickness:	28 ft			Original Depth:	46 ft
Material Colour:	BROWN			Material:	CLAY, STONES, DENSE
+					
Thickness:	39 ft			Original Depth:	85 ft
Material Colour:	BLUE			Material:	CLAY, STONES, DENSE
+					
Thickness:	14 ft			Original Depth:	99 ft
Material Colour:	BLUE			Material:	CLAY, DENSE
+					
Thickness:	32 ft			Original Depth:	131 ft
Material Colour:	GREY			Material:	LIMESTONE, HARD
+					
Thickness:	37 ft			Original Depth:	168 ft
Material Colour:	RED			Material:	SHALE, HARD
31	1 of 1	NNW/219.8	380.2	lot 9 con 5 ON	WWIS
Well ID:	4903832			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579314.3			Northing Nad83:	4849473
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	24-MAY-72
Sec. Water Use:				Well Depth:	90 ft
Pump Rate:	4 GPM			Static Water Level:	50 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	381.47			Elevation Reliability:	
38	erisinfo.com EcoLog ERIS Ltd. Belfountain Phase I ESA Mississauga Rd Old Main St Caledon ON				Order #: 20140515015

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Depth to Bedrock: Water Type:	28 FRESH			Overburden/Bedrock: Casing Material:	Bedrock STEEL
--- Details ---					
Thickness:	28 ft			Original Depth:	28 ft
Material Colour:	BROWN			Material:	GRAVEL, CLAY
+					
Thickness:	7 ft			Original Depth:	35 ft
Material Colour:	GREY			Material:	LIMESTONE, SHALE
+					
Thickness:	55 ft			Original Depth:	90 ft
Material Colour:	BLUE			Material:	SHALE, LIMESTONE
+					
Thickness:	28 ft			Original Depth:	118 ft
Material Colour:	GREY			Material:	LIMESTONE

<u>32</u>	1 of 1	NW/233.4	383.7	lot 9 con 5 ON	WWIS
Well ID:	4908409			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579237.3			Northing Nad83:	4849428
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	28-JAN-99
Sec. Water Use:				Well Depth:	98 ft
Pump Rate:	10 GPM			Static Water Level:	36 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	384.71			Elevation Reliability:	
Depth to Bedrock:	30			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	5 ft			Original Depth:	6 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL
+					
Thickness:	15 ft			Original Depth:	21 ft
Material Colour:				Material:	STONES, BOULDERS, GRAVEL
+					
Thickness:	9 ft			Original Depth:	30 ft
Material Colour:	BROWN			Material:	GRAVEL, SAND
+					
Thickness:	22 ft			Original Depth:	52 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	8 ft			Original Depth:	60 ft
Material Colour:	BLUE			Material:	SHALE
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	23 ft			Original Depth:	83 ft
Material Colour:	BLUE			Material:	SHALE, LIMESTONE, LAYERED
+					
Thickness:	15 ft			Original Depth:	98 ft
Material Colour:	BLUE			Material:	LIMESTONE
33	1 of 1	NNW/226.9	373.2	lot 10 con 5 ON	WWIS
Well ID:	4904854			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579373.3			Northing Nad83:	4849527
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	23-DEC-75
Sec. Water Use:				Well Depth:	54 ft
Pump Rate:	6 GPM			Static Water Level:	18 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	374.26			Elevation Reliability:	
Depth to Bedrock:	20			Overburden/Bedrock:	Bedrock
Water Type:	Not stated			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	20 ft			Original Depth:	20 ft
Material Colour:	BROWN			Material:	SAND, BOULDERS
+					
Thickness:	34 ft			Original Depth:	54 ft
Material Colour:	RED			Material:	SHALE
35	1 of 1	S/36.6	415.0	lot 8 con 5 ON	WWIS
Well ID:	4906848			Lot:	008
Concession:	05			Concession Name:	CON
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579584.3			Northing Nad83:	4848324
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	16-APR-88
Sec. Water Use:				Well Depth:	2 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):	415.08			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	98 ft			Original Depth:	100 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL, SILT

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
36	1 of 1	NW/237.8	383.2	lot 10 con 5 ON	WWIS
Well ID:	4906846			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579180.3			Northing Nad83:	4849396
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	24-APR-88
Sec. Water Use:				Well Depth:	7 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):	384.01			Elevation Reliability:	
Depth to Bedrock:	7			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	PLASTIC
--- Details ---					
Thickness:	7 ft			Original Depth:	7 ft
Material Colour:	BROWN			Material:	TILL, SAND, GRAVEL
+					
Thickness:	10 ft			Original Depth:	17 ft
Material Colour:	GREY			Material:	LIMESTONE
37	1 of 1	NNW/240.4	372.2	lot 9 con 5 ON	WWIS
Well ID:	4904750			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579384.3			Northing Nad83:	4849547
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	02-SEP-75
Sec. Water Use:				Well Depth:	65 ft
Pump Rate:	3 GPM			Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	373.52			Elevation Reliability:	
Depth to Bedrock:	34			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	32 ft			Original Depth:	34 ft
Material Colour:	GREY			Material:	CLAY, STONES, CLAY
+					
Thickness:	31 ft			Original Depth:	65 ft
Material Colour:	GREY			Material:	LIMESTONE
38	1 of 1	NW/235.7	385.1	lot 10 con 5 ON	WWIS

39	1 of 1	WNW/223.2	386.4	lot 10 con 5 ON	WWIS
Well ID:	4901020			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579076.3			Northing Nad83:	4849263
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	24-APR-64
Sec. Water Use:				Well Depth:	62 ft
Pump Rate:	8 GPM			Static Water Level:	24 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	386.34			Elevation Reliability:	
Depth to Bedrock:	58			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	10 ft			Original Depth:	10 ft
Material Colour:				Material:	CLAY, BOULDERS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	40 ft			Original Depth:	50 ft
Material Colour:				Material:	CLAY, GRAVEL
+					
Thickness:	8 ft			Original Depth:	58 ft
Material Colour:				Material:	GRAVEL, BOULDERS
+					
Thickness:	4 ft			Original Depth:	62 ft
Material Colour:				Material:	SHALE, LIMESTONE

40	1 of 1	WNW/184.8	388.0	lot 10 con 5 ON	WWIS
Well ID:	4907914			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579020.3			Northing Nad83:	4849145
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	04-NOV-94
Sec. Water Use:				Well Depth:	99 ft
Pump Rate:	3 GPM			Static Water Level:	19 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	387.26			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	29 ft			Original Depth:	29 ft
Material Colour:	BROWN			Material:	CLAY, BOULDERS, PACKED
+					
Thickness:	16 ft			Original Depth:	45 ft
Material Colour:	BLUE			Material:	CLAY, STONES, SAND
+					
Thickness:	35 ft			Original Depth:	80 ft
Material Colour:	BLUE			Material:	CLAY, STONES, SAND
+					
Thickness:	17 ft			Original Depth:	97 ft
Material Colour:	BLUE			Material:	CLAY, STONES, SAND
+					
Thickness:	2 ft			Original Depth:	99 ft
Material Colour:	BLUE			Material:	CLAY, SAND, DENSE

41	1 of 1	WNW/204.1	387.9	lot 10 con 5 ON	WWIS
Well ID:	4906918			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579035.3			Northing Nad83:	4849190
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	22-SEP-88
Sec. Water Use:				Well Depth:	65 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pump Rate:				Static Water Level:	-30 ft
Flow Rate:	4 GPM			Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	Y
Elevation (m):	386.8			Elevation Reliability:	
Depth to Bedrock:	45			Overburden/Bedrock:	Bedrock
Water Type:	SALTY			Casing Material:	STEEL
--- Details ---					
Thickness:	5 ft			Original Depth:	5 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	5 ft			Original Depth:	10 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	20 ft			Original Depth:	30 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	15 ft			Original Depth:	45 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	20 ft			Original Depth:	65 ft
Material Colour:	RED			Material:	SHALE, WATER-BEARING

42	1 of 1	WNW/205.6	387.8	lot 10 con 5 ON	WWIS
Well ID:	4906996			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579033.3			Northing Nad83:	4849190
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	22-SEP-88
Sec. Water Use:				Well Depth:	65 ft
Pump Rate:				Static Water Level:	-30 ft
Flow Rate:	4 GPM			Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	Y
Elevation (m):	386.73			Elevation Reliability:	
Depth to Bedrock:	45			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	STEEL
--- Details ---					
Thickness:	5 ft			Original Depth:	5 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	5 ft			Original Depth:	10 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	20 ft			Original Depth:	30 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	15 ft			Original Depth:	45 ft
Material Colour:				Material:	GRAVEL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<div><div><div><div>+</div><div>Thickness:20 ft</div><div>Material Colour:RED</div></div><div><div>Original Depth:65 ft</div><div>Material:SHALE, WATER-BEARING</div></div></div></div>					
43	1 of 1	S/39.9	415.0	lot 8 con 5 ON	WWIS
<div>Well ID:4906847</div> <div>Concession:05</div> <div>County:PEEL</div> <div>Easting Nad83:579567.3</div> <div>Zone:17</div> <div>Primary Water Use:Not Used</div> <div>Sec. Water Use:</div> <div>Pump Rate:</div> <div>Flow Rate:</div> <div>Specific Capacity:</div> <div>Construction Method:Rotary (Convent.)</div> <div>Elevation (m):415.09</div> <div>Depth to Bedrock:100</div> <div>Water Type:FRESH</div>		<div>Lot:008</div> <div>Concession Name:CON</div> <div>Municipality:CALEDON TOWN (CALEDON TWP)</div> <div>Northing Nad83:4848301</div> <div>Utm Reliability:margin of error : 10 - 30 m</div> <div>Construction Date:20-APR-88</div> <div>Well Depth:2 ft</div> <div>Static Water Level:</div> <div>Clear/Cloudy:</div> <div>Final Well Status:Observation Wells</div> <div>Flowing (y/n):</div> <div>Elevation Reliability:</div> <div>Overburden/Bedrock:Bedrock</div> <div>Casing Material:PLASTIC</div>			
--- Details ---					
<div>Thickness:2 ft</div> <div>Material Colour:BROWN</div>		<div>Original Depth:2 ft</div> <div>Material:TOPSOIL</div>			
+					
<div>Thickness:98 ft</div> <div>Material Colour:BROWN</div>		<div>Original Depth:100 ft</div> <div>Material:SAND, GRAVEL, SILT</div>			
+					
<div>Thickness:12 ft</div> <div>Material Colour:GREY</div>		<div>Original Depth:112 ft</div> <div>Material:LIMESTONE</div>			
44	1 of 1	S/41.3	415.0	lot 8 con 5 ON	WWIS
<div>Well ID:4906842</div> <div>Concession:05</div> <div>County:PEEL</div> <div>Easting Nad83:579567.3</div> <div>Zone:17</div> <div>Primary Water Use:Not Used</div> <div>Sec. Water Use:</div> <div>Pump Rate:</div> <div>Flow Rate:</div> <div>Specific Capacity:</div> <div>Construction Method:Rotary (Convent.)</div> <div>Elevation (m):415.12</div> <div>Depth to Bedrock:23</div> <div>Water Type:FRESH</div>		<div>Lot:008</div> <div>Concession Name:CON</div> <div>Municipality:CALEDON TOWN (CALEDON TWP)</div> <div>Northing Nad83:4848299</div> <div>Utm Reliability:margin of error : 10 - 30 m</div> <div>Construction Date:06-APR-88</div> <div>Well Depth:97 ft</div> <div>Static Water Level:</div> <div>Clear/Cloudy:</div> <div>Final Well Status:Observation Wells</div> <div>Flowing (y/n):</div> <div>Elevation Reliability:</div> <div>Overburden/Bedrock:Bedrock</div> <div>Casing Material:PLASTIC</div>			
--- Details ---					
<div>Thickness:4 ft</div> <div>Material Colour:BROWN</div>		<div>Original Depth:4 ft</div> <div>Material:TOPSOIL</div>			
+					
<div>Thickness:19 ft</div> <div>Material Colour:BROWN</div>		<div>Original Depth:23 ft</div> <div>Material:SAND, GRAVEL, SANDY</div>			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	61 ft			Original Depth:	84 ft
Material Colour:	GREY			Material:	LIMESTONE, FRACTURED
+					
Thickness:	13 ft			Original Depth:	97 ft
Material Colour:	BLACK			Material:	SHALE, FRACTURED

45	1 of 1	W/33.8	397.9	lot 9 con 5 ON	WWIS
Well ID:	4901009			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578984.3			Northing Nad83:	4848882
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Public			Construction Date:	16-JUL-62
Sec. Water Use:				Well Depth:	72 ft
Pump Rate:	10 GPM			Static Water Level:	50 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	398.86			Elevation Reliability:	
Depth to Bedrock:	68			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	3 ft			Original Depth:	3 ft
Material Colour:	BLACK			Material:	TOPSOIL, MEDIUM SAND
+					
Thickness:	35 ft			Original Depth:	38 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	24 ft			Original Depth:	62 ft
Material Colour:	WHITE			Material:	CLAY, STONES
+					
Thickness:	6 ft			Original Depth:	68 ft
Material Colour:	WHITE			Material:	CLAY, MEDIUM SAND
+					
Thickness:	4 ft			Original Depth:	72 ft
Material Colour:				Material:	SANDSTONE

46	1 of 1	W/45.9	397.3	lot 9 con 5 ON	WWIS
Well ID:	4909875			Lot:	009
Concession:	05			Concession Name:	
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578977			Northing Nad83:	4848892
Zone:	17			Utm Reliability:	
Primary Water Use:	Public			Construction Date:	11-AUG-05
Sec. Water Use:				Well Depth:	24.39 m
Pump Rate:	102 LPM			Static Water Level:	11.83 m
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elevation (m):	398.22			Elevation Reliability:	
Depth to Bedrock:	60			Overburden/Bedrock:	Overburden below Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	18.29 m			Original Depth:	18.29 m
Material Colour:	BROWN			Material:	SAND, GRAVEL, STONES
+					
Thickness:	.91 m			Original Depth:	19.2 m
Material Colour:	BROWN			Material:	LIMESTONE
+					
Thickness:	2.14 m			Original Depth:	21.34 m
Material Colour:	GREY			Material:	CLAY, GRAVEL
+					
Thickness:	3.05 m			Original Depth:	24.39 m
Material Colour:	GREY			Material:	LIMESTONE

47	1 of 1	W/2.2	400.0	Peel District School Board 17247 Shaws Creek Road Caledon ON	GEN
SIC Code:	611710				
SIC Description:	Educational Support Services				
Generator #:	ON9684571				
Approval Yrs:	2012				

48	1 of 1	WNW/191.0	386.8	lot 10 con 5 ON	WWIS
Well ID:	4908261			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578985.3			Northing Nad83:	4849116
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	23-OCT-97
Sec. Water Use:				Well Depth:	99 ft
Pump Rate:	3 GPM			Static Water Level:	36 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	385.3			Elevation Reliability:	
Depth to Bedrock:	95			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	45 ft			Original Depth:	45 ft
Material Colour:	BROWN			Material:	CLAY, SAND, STONES
+					
Thickness:	50 ft			Original Depth:	95 ft
Material Colour:	BROWN			Material:	CLAY, SAND, GRAVEL
+					
Thickness:	4 ft			Original Depth:	99 ft
Material Colour:	RED			Material:	SHALE
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	55 ft			Original Depth:	154 ft
Material Colour:	BLUE-GREY			Material:	SHALE
+					
Thickness:	6 ft			Original Depth:	160 ft
Material Colour:	RED			Material:	SHALE
49	1 of 1	WNW/236.0	385.9	lot 10 con 5 ON	WWIS
Well ID:	4901012			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579011.3			Northing Nad83:	4849211
Zone:	17			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	10-JUL-54
Sec. Water Use:				Well Depth:	39 ft
Pump Rate:	3 GPM			Static Water Level:	24 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	385.68			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	39 ft			Original Depth:	39 ft
Material Colour:				Material:	CLAY, STONES
51	1 of 1	S/127.5	415.0	lot 8 con 5 ON	WWIS
Well ID:	4906948			Lot:	008
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579627.3			Northing Nad83:	4848237
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	02-JUN-88
Sec. Water Use:				Well Depth:	96 ft
Pump Rate:	3 GPM			Static Water Level:	64 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	415.35			Elevation Reliability:	
Depth to Bedrock:	94			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	9 ft			Original Depth:	9 ft
Material Colour:	BROWN			Material:	CLAY, SANDY, BOULDERS
+					
Thickness:	28 ft			Original Depth:	37 ft
Material Colour:				Material:	GRAVEL, SAND, BOULDERS
+					
Thickness:	23 ft			Original Depth:	60 ft
Material Colour:				Material:	BOULDERS, GRAVEL
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	24 ft			Original Depth:	84 ft
Material Colour:				Material:	SAND, GRAVEL
+					
Thickness:	10 ft			Original Depth:	94 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	2 ft			Original Depth:	96 ft
Material Colour:				Material:	SHALE
+					
Thickness:	27 ft			Original Depth:	123 ft
Material Colour:				Material:	LIMESTONE, , FRACTURED

52	1 of 1	NE/16.2	388.2	lot 9 con 4 ON	WWIS
Well ID:	4907835			Lot:	009
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580054.4			Northing Nad83:	4849565
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	10-MAY-94
Sec. Water Use:				Well Depth:	90 ft
Pump Rate:	15 GPM			Static Water Level:	34 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	392.15			Elevation Reliability:	
Depth to Bedrock:	42			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	17 ft			Original Depth:	18 ft
Material Colour:	BROWN			Material:	SILT, STONES
+					
Thickness:	11 ft			Original Depth:	29 ft
Material Colour:	BROWN			Material:	SILT
+					
Thickness:	4 ft			Original Depth:	33 ft
Material Colour:	GREY			Material:	SILT, GRAVEL
+					
Thickness:	9 ft			Original Depth:	42 ft
Material Colour:	BROWN			Material:	SILT, CLAY, GRAVEL
+					
Thickness:	20 ft			Original Depth:	62 ft
Material Colour:	RED			Material:	SHALE
+					
Thickness:	28 ft			Original Depth:	90 ft
Material Colour:	BLUE			Material:	SHALE
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	16 ft			Original Depth:	106 ft
Material Colour:	BLUE			Material:	LIMESTONE, HARD
53	1 of 1	ENE/129.2	408.2	lot 8 con 5 ON	WWIS
Well ID:	4901005			Lot:	008
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580366.4			Northing Nad83:	4849130
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	30-DEC-66
Sec. Water Use:				Well Depth:	81 ft
Pump Rate:	10 GPM			Static Water Level:	55 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	408.52			Elevation Reliability:	
Depth to Bedrock:	81			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	8 ft			Original Depth:	8 ft
Material Colour:				Material:	PREVIOUSLY DUG
+					
Thickness:	27 ft			Original Depth:	35 ft
Material Colour:	BROWN			Material:	CLAY, STONES
+					
Thickness:	19 ft			Original Depth:	54 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	27 ft			Original Depth:	81 ft
Material Colour:	BROWN			Material:	CLAY, STONES, GRAVEL
+					
Thickness:	41 ft			Original Depth:	122 ft
Material Colour:	BROWN			Material:	LIMESTONE
54	1 of 1	WNW/248.2	384.8	lot 10 con 5 ON	WWIS
Well ID:	4904879			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578914.3			Northing Nad83:	4849123
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	25-MAY-76
Sec. Water Use:				Well Depth:	19 ft
Pump Rate:	7 GPM			Static Water Level:	5 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Boring			Flowing (y/n):	N
Elevation (m):	384.48			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	CONCRETE
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	15 ft			Original Depth:	15 ft
Material Colour:	BROWN			Material:	STONES, SAND, BOULDERS
+					
Thickness:	4 ft			Original Depth:	19 ft
Material Colour:				Material:	GRAVEL, SAND
55	1 of 4	WSW/40.2	400.0	LTD LAWN CARE 17254 SHAWS CREEK RD CALEDON ON L7K0E8	PES
Licence No.:					
Licence Type:					
55	2 of 4	WSW/40.2	400.0	LTD LAWN CARE 17254 SHAWS CREEK RD BELFOUNTAIN ON L7K 0E8	PES
Licence No.:					
Licence Type:		Operator			
55	3 of 4	WSW/40.2	400.0	L T D WEED CONTROL LTD 17254 SHAWS CREEK ROAD BELFOUNTAIN ON L7K 0E8	PES
Licence No.:					
Licence Type:		Operator			
55	4 of 4	WSW/40.2	400.0	LTD LAWN CARE/CANADIAN OUTDOOR SERVICES 17254 SHAWS CREEK RD BELFOUNTAIN ON L7K 0E8	PES
Licence No.:					
Licence Type:		Operator			
56	1 of 1	W/217.5	385.4	lot 10 con 5 ON	WWIS
Well ID:	4905863			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578864.3			Northing Nad83:	4849023
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	19-JUN-81
Sec. Water Use:				Well Depth:	98 ft
Pump Rate:	6 GPM			Static Water Level:	60 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	384.95			Elevation Reliability:	
Depth to Bedrock:	114			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Thickness:	12 ft			Original Depth:	12 ft
Material Colour:				Material:	GRAVEL, BOULDERS
+					
Thickness:	24 ft			Original Depth:	36 ft
Material Colour:				Material:	SAND, STONES
+					
Thickness:	14 ft			Original Depth:	50 ft
Material Colour:				Material:	GRAVEL, BOULDERS
+					
Thickness:	35 ft			Original Depth:	85 ft
Material Colour:				Material:	CLAY, STONES
+					
Thickness:	13 ft			Original Depth:	98 ft
Material Colour:	GREY			Material:	CLAY, SAND, SILTY
+					
Thickness:	16 ft			Original Depth:	114 ft
Material Colour:	GREY			Material:	CLAY, STONES
+					
Thickness:	12 ft			Original Depth:	126 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	29 ft			Original Depth:	155 ft
Material Colour:	GREY			Material:	DOLOMITE, SHALE
+					
Thickness:	17 ft			Original Depth:	172 ft
Material Colour:				Material:	SANDSTONE
--- Details ---					
57	1 of 1	NE/45.0	374.5	lot 9 con 4 ON	WWIS
Well ID:	4900935			Lot:	009
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580130.4			Northing Nad83:	4849589
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Not Used			Construction Date:	25-MAY-67
Sec. Water Use:				Well Depth:	40 ft
Pump Rate:	1 GPM			Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	383.07			Elevation Reliability:	
Depth to Bedrock:	18			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	14 ft			Original Depth:	15 ft
Material Colour:	BROWN			Material:	CLAY, STONES

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	3 ft			Original Depth:	18 ft
Material Colour:				Material:	GRAVEL, MEDIUM SAND
+					
Thickness:	19 ft			Original Depth:	37 ft
Material Colour:				Material:	LIMESTONE
+					
Thickness:	2 ft			Original Depth:	39 ft
Material Colour:	BLUE			Material:	SHALE
+					
Thickness:	1 ft			Original Depth:	40 ft
Material Colour:	RED			Material:	SHALE

58	1 of 1	NE/65.8	368.4	lot 9 con 4 ON	WWIS
Well ID:	4900936			Lot:	009
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580155.4			Northing Nad83:	4849605
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	05-JUN-67
Sec. Water Use:				Well Depth:	45 ft
Pump Rate:	10 GPM			Static Water Level:	28 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	375.02			Elevation Reliability:	
Depth to Bedrock:	18			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	17 ft			Original Depth:	18 ft
Material Colour:	BROWN			Material:	CLAY, STONES
+					
Thickness:	25 ft			Original Depth:	43 ft
Material Colour:	BROWN			Material:	LIMESTONE
+					
Thickness:	2 ft			Original Depth:	45 ft
Material Colour:	BLUE			Material:	SHALE

59	1 of 1	W/228.8	386.8	lot 10 con 5 ON	WWIS
Well ID:	4901021			Lot:	010
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578822.3			Northing Nad83:	4848994
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	06-AUG-64
Sec. Water Use:				Well Depth:	50 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pump Rate:	10 GPM			Static Water Level:	20 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	387.9			Elevation Reliability:	
Depth to Bedrock:	120			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	30 ft			Original Depth:	30 ft
Material Colour:				Material:	PREVIOUSLY DUG
+					
Thickness:	20 ft			Original Depth:	50 ft
Material Colour:				Material:	QUICKSAND
+					
Thickness:	60 ft			Original Depth:	110 ft
Material Colour:				Material:	HARDPAN, BOULDERS
+					
Thickness:	10 ft			Original Depth:	120 ft
Material Colour:	BLUE			Material:	CLAY
+					
Thickness:	50 ft			Original Depth:	170 ft
Material Colour:	GREY			Material:	LIMESTONE

60	1 of 1	W/156.1	394.4	lot 9 con 5 ON	WWIS
Well ID:	4905867			Lot:	009
Concession:	05			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578814.3			Northing Nad83:	4848873
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	20-AUG-81
Sec. Water Use:				Well Depth:	83 ft
Pump Rate:	10 GPM			Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	394.3			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	20 ft			Original Depth:	20 ft
Material Colour:				Material:	BOULDERS, GRAVEL, CLAY
+					
Thickness:	47 ft			Original Depth:	67 ft
Material Colour:				Material:	FINE SAND
+					
Thickness:	12 ft			Original Depth:	79 ft
Material Colour:				Material:	CLAY, BOULDERS
+					
Thickness:	4 ft			Original Depth:	83 ft
Material Colour:				Material:	STONES

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
61	1 of 1	W/212.7	389.6	lot 22 con 6 ON	WWIS
Well ID:	6712134			Lot:	022
Concession:	06			Concession Name:	CON
County:	WELLINGTON			Municipality:	ERAMOSA
Easting Nad83:	578800.3			Northing Nad83:	4848946
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	20-DEC-96
Sec. Water Use:				Well Depth:	400 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Diamond			Flowing (y/n):	
Elevation (m):	389.97			Elevation Reliability:	
Depth to Bedrock:	30			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	STEEL
--- Details ---					
Thickness:	30 ft			Original Depth:	30 ft
Material Colour:	BROWN			Material:	SAND, GRAVEL
+					
Thickness:	366 ft			Original Depth:	396 ft
Material Colour:	GREY			Material:	ROCK, LIMESTONE, DOLOMITE
+					
Thickness:	4 ft			Original Depth:	400 ft
Material Colour:	RED			Material:	ROCK, GREENSTONE, SHALE
62	1 of 1	WSW/154.2	395.3	lot 9 con 6 ON	WWIS
Well ID:	4904407			Lot:	009
Concession:	06			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578846.3			Northing Nad83:	4848676
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	23-JUL-74
Sec. Water Use:				Well Depth:	55 ft
Pump Rate:	10 GPM			Static Water Level:	40 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	395.71			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:	BROWN			Material:	TOPSOIL
+					
Thickness:	29 ft			Original Depth:	30 ft
Material Colour:	BROWN			Material:	GRAVEL, SAND, BOULDERS
+					
Thickness:	2 ft			Original Depth:	32 ft
Material Colour:	GREY			Material:	GRAVEL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	20 ft			Original Depth:	52 ft
Material Colour:	BROWN			Material:	GRAVEL, SAND, BOULDERS
+					
Thickness:	3 ft			Original Depth:	55 ft
Material Colour:	GREY			Material:	GRAVEL
63	1 of 1	NE/115.6	399.0	lot 8 con 4 ON	WWIS
Well ID:	4905347			Lot:	008
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580364.4			Northing Nad83:	4849473
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	10-MAY-78
Sec. Water Use:				Well Depth:	61 ft
Pump Rate:	8 GPM			Static Water Level:	22 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	399.3			Elevation Reliability:	
Depth to Bedrock:	16			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	16 ft			Original Depth:	16 ft
Material Colour:	BROWN			Material:	SAND, CLAY, BOULDERS
+					
Thickness:	45 ft			Original Depth:	61 ft
Material Colour:	BROWN			Material:	LIMESTONE
64	1 of 1	WSW/192.6	397.1	lot 9 con 6 ON	WWIS
Well ID:	7106064			Lot:	009
Concession:	06			Concession Name:	CON
County:	PEEL			Municipality:	CALEDON TOWN (ALBION)
Easting Nad83:	578821			Northing Nad83:	4848647
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	28-APR-08
Sec. Water Use:				Well Depth:	43 ft
Pump Rate:	15 GPM			Static Water Level:	32 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):	398.99			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	39 ft			Original Depth:	39 ft
Material Colour:	BROWN			Material:	GRAVEL, CLAY, STONES
+					
Thickness:	4 ft			Original Depth:	43 ft
Material Colour:	GREY			Material:	ROCK, GRAVEL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
65	1 of 1	ENE/107.1	408.0	lot 8 con 4 ON	WWIS
Well ID:	4904971			Lot:	008
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580464.4			Northing Nad83:	4849323
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	27-AUG-76
Sec. Water Use:				Well Depth:	60 ft
Pump Rate:	11 GPM			Static Water Level:	
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	407.36			Elevation Reliability:	
Depth to Bedrock:	22			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	22 ft			Original Depth:	22 ft
Material Colour:	BROWN			Material:	SAND, BOULDERS, CLAY
+					
Thickness:	38 ft			Original Depth:	60 ft
Material Colour:	WHITE			Material:	LIMESTONE
66	1 of 1	ENE/116.2	404.9	lot 8 con 4 ON	WWIS
Well ID:	4905174			Lot:	008
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580414.4			Northing Nad83:	4849423
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	23-JUN-77
Sec. Water Use:				Well Depth:	63 ft
Pump Rate:	10 GPM			Static Water Level:	21 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	405.17			Elevation Reliability:	
Depth to Bedrock:	24			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	24 ft			Original Depth:	24 ft
Material Colour:	BROWN			Material:	SAND, BOULDERS
+					
Thickness:	39 ft			Original Depth:	63 ft
Material Colour:	WHITE			Material:	LIMESTONE, HARD
67	1 of 1	W/230.1	390.2	lot 10 con 6 ON	WWIS
Well ID:	4901048			Lot:	010
Concession:	06			Concession Name:	HS W

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	578747.3			Northing Nad83:	4848905
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	14-OCT-67
Sec. Water Use:				Well Depth:	87 ft
Pump Rate:	5 GPM			Static Water Level:	43 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	390.83			Elevation Reliability:	
Depth to Bedrock:	105			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	54 ft			Original Depth:	55 ft
Material Colour:	BROWN			Material:	CLAY, STONES
+					
Thickness:	3 ft			Original Depth:	58 ft
Material Colour:	BROWN			Material:	MEDIUM SAND
+					
Thickness:	12 ft			Original Depth:	70 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	17 ft			Original Depth:	87 ft
Material Colour:	BROWN			Material:	MEDIUM SAND
+					
Thickness:	18 ft			Original Depth:	105 ft
Material Colour:	BROWN			Material:	CLAY, GRAVEL
+					
Thickness:	2 ft			Original Depth:	107 ft
Material Colour:	RED			Material:	SHALE, STONES
--- Details ---					
Thickness:	18 ft			Original Depth:	18 ft

68	1 of 1	ENE/166.8	412.9	lot 8 con 4 ON	WWIS
Well ID:	4904661			Lot:	008
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580509.4			Northing Nad83:	4849246
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	07-MAY-75
Sec. Water Use:				Well Depth:	62 ft
Pump Rate:	7 GPM			Static Water Level:	39 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	410.02			Elevation Reliability:	
Depth to Bedrock:	41			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	18 ft			Original Depth:	18 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:	BROWN			Material:	CLAY, BOULDERS
+					
Thickness:	23 ft			Original Depth:	41 ft
Material Colour:	BROWN			Material:	SAND
+					
Thickness:	21 ft			Original Depth:	62 ft
Material Colour:	GREY			Material:	LIMESTONE
69	1 of 1	S/211.0	418.1	lot 8 con 6 ON	WWIS
Well ID:	4907588			Lot:	008
Concession:	06			Concession Name:	HS E
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	579513.3			Northing Nad83:	4848057
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	13-JUN-91
Sec. Water Use:				Well Depth:	95 ft
Pump Rate:	11 GPM			Static Water Level:	65 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	417.77			Elevation Reliability:	
Depth to Bedrock:	100			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	40 ft			Original Depth:	40 ft
Material Colour:	BROWN			Material:	CLAY, STONES, BOULDERS
+					
Thickness:	55 ft			Original Depth:	95 ft
Material Colour:				Material:	CLAY, STONES, GRAVEL
+					
Thickness:	5 ft			Original Depth:	100 ft
Material Colour:	GREY			Material:	CLAY, STONES
+					
Thickness:	2 ft			Original Depth:	102 ft
Material Colour:				Material:	LIMESTONE
70	1 of 1	NE/170.7	395.8	lot 8 con 4 ON	WWIS
Well ID:	4904488			Lot:	008
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580349.4			Northing Nad83:	4849567
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	29-SEP-74
Sec. Water Use:				Well Depth:	38 ft
Pump Rate:	15 GPM			Static Water Level:	28 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	397.76			Elevation Reliability:	
Depth to Bedrock:	30			Overburden/Bedrock:	Bedrock

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	30 ft			Original Depth:	30 ft
Material Colour:	BROWN			Material:	CLAY, SAND
+					
Thickness:	8 ft			Original Depth:	38 ft
Material Colour:	BROWN			Material:	LIMESTONE

71	1 of 1	NE/172.4	356.6	lot 9 con 4 ON	WWIS
Well ID:	4902948			Lot:	009
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580234.4			Northing Nad83:	4849683
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	22-JAN-68
Sec. Water Use:				Well Depth:	53 ft
Pump Rate:	10 GPM			Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	354.51			Elevation Reliability:	
Depth to Bedrock:	15			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:				Material:	TOPSOIL
+					
Thickness:	14 ft			Original Depth:	15 ft
Material Colour:	BROWN			Material:	CLAY, STONES
+					
Thickness:	30 ft			Original Depth:	45 ft
Material Colour:	BROWN			Material:	LIMESTONE
+					
Thickness:	6 ft			Original Depth:	51 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	2 ft			Original Depth:	53 ft
Material Colour:	RED			Material:	SHALE

72	1 of 1	ENE/184.0	415.4	lot 8 con 4 ON	WWIS
Well ID:	4904726			Lot:	008
Concession:	04			Concession Name:	HS W
County:	PEEL			Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:	580541.4			Northing Nad83:	4849306
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	17-AUG-75
Sec. Water Use:				Well Depth:	60 ft
Pump Rate:	9 GPM			Static Water Level:	35 ft
Flow Rate:				Clear/Cloudy:	CLEAR

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:			Cable Tool	Flowing (y/n):	N
Elevation (m):			409.35	Elevation Reliability:	
Depth to Bedrock:			39	Overburden/Bedrock:	Bedrock
Water Type:			FRESH	Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:			39 ft	Original Depth:	39 ft
Material Colour:			BROWN	Material:	BOULDERS, SAND
+					
Thickness:			21 ft	Original Depth:	60 ft
Material Colour:			YELLOW	Material:	LIMESTONE

73	1 of 1	ENE/189.3	414.0	lot 8 con 4 ON	WWIS
Well ID:			4904812	Lot:	008
Concession:			04	Concession Name:	HS W
County:			PEEL	Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:			580541.4	Northing Nad83:	4849360
Zone:			17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:			Domestic	Construction Date:	27-OCT-75
Sec. Water Use:				Well Depth:	63 ft
Pump Rate:			6 GPM	Static Water Level:	22 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:			Cable Tool	Flowing (y/n):	N
Elevation (m):			408.12	Elevation Reliability:	
Depth to Bedrock:			21	Overburden/Bedrock:	Bedrock
Water Type:			FRESH	Casing Material:	OPEN HOLE,STEEL
--- Details ---					
Thickness:			21 ft	Original Depth:	21 ft
Material Colour:			BROWN	Material:	SAND, BOULDERS
+					
Thickness:			8 ft	Original Depth:	29 ft
Material Colour:			YELLOW	Material:	LIMESTONE
+					
Thickness:			34 ft	Original Depth:	63 ft
Material Colour:			WHITE	Material:	LIMESTONE

74	1 of 1	ENE/234.5	412.3	lot 8 con 4 ON	WWIS
Well ID:			4904728	Lot:	008
Concession:			04	Concession Name:	HS W
County:			PEEL	Municipality:	CALEDON TOWN (CALEDON TWP)
Easting Nad83:			580555.4	Northing Nad83:	4849441
Zone:			17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:			Domestic	Construction Date:	27-AUG-75
Sec. Water Use:				Well Depth:	60 ft
Pump Rate:			10 GPM	Static Water Level:	12 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:			Cable Tool	Flowing (y/n):	N
Elevation (m):			409.68	Elevation Reliability:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Depth to Bedrock: Water Type:	20 FRESH			Overburden/Bedrock: Casing Material:	Bedrock OPEN HOLE,STEEL
--- Details ---					
Thickness:	20 ft			Original Depth:	20 ft
Material Colour:	BROWN			Material:	SAND, STONES, BOULDERS
+					
Thickness:	40 ft			Original Depth:	60 ft
Material Colour:	WHITE			Material:	LIMESTONE

Unplottable Summary

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF PEEL-LOT 28, CONC. 4 & 5	MISSISSAUGA RD. PEEL REG. RD.1	CALEDON TOWN ON	
CA	R.M. OF PEEL	MISSISSAUGA RD. SLOPE STAB.	CALEDON TOWN ON	
CA	R.M. OF PEEL	RESERVOIR SITE/MISSISSAUGA RD.	CALEDON TOWN ON	

Unplottable Report

Site: **R.M. OF PEEL-LOT 28, CONC. 4 & 5**
MISSISSAUGA RD. PEEL REG. RD.1 CALEDON TOWN ON

Database:
CA

Certificate #: 7-1266-90-
Application Year: 90
Issue Date: 8/16/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **R.M. OF PEEL**
MISSISSAUGA RD. SLOPE STAB. CALEDON TOWN ON

Database:
CA

Certificate #: 3-0807-93-
Application Year: 93
Issue Date: 7/26/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **R.M. OF PEEL**
RESERVOIR SITE/MISSISSAUGA RD. CALEDON TOWN ON

Database:
CA

Certificate #: 7-0670-95-
Application Year: 95
Issue Date: 7/17/1995
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Appendix: Database Descriptions

*Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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 all 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 Aug 2012

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-Feb 2013

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 all 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: 2001-Jun 2010

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-Aug 2011

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: 1948-Apr 2013

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: 1992, 1999-Jun 2010

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-Feb 2014

Certificates of Property Use:Provincial **CPU**

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

Government Publication Date: 1994-Feb 2014

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 MNM. 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-Jun 2013

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 31 2011-Feb 2014

Environmental Registry:Provincial [EBR](#)

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

Government Publication Date: 1994-Feb 2014

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 CofA's 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 31, 2011-Feb 2014

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](#)

EcoLog 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-Mar 2013

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**

List of TSSA Expired Facilities:Provincial [EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Current to May 2013

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 all 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: June 2000-Jan 2014

Fisheries & Oceans Fuel Tanks:Federal [FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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-Sept 2003

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: 2010-May 2013

Fuel Storage Tank - Historic:Provincial [FSTH](#)

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: Pre-Jan 2010**

Ontario Regulation 347 Waste Generators Summary:

Provincial GEN

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

*Government Publication Date: 1986-Apr 2014***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 IAFI

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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: June 2009-Apr 2013***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: 2012

Canadian Mine Locations:Private [MINE](#)

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

Government Publication Date: 1998-2009

Mineral Occurrences:Provincial [MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the planimetric (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-Apr 2013

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: 1994-2012

National Defence & Canadian Forces Fuel Tanks:Federal [NDFT](#)

The Department of National Defence 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 Defence & Canadian Forces Spills:Federal [NDSP](#)

The Department of National Defence 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 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 all 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. All federal out-of-service PCB containing equipment and all 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: 1993-2011

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.

Government Publication Date: 1988-Mar 2014

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, well cap date, licence 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: 1800-2013

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

Orders:Provincial **ORD**

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

Government Publication Date: 1994-Feb 2014

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

Parks Canada Fuel Storage Tanks:Federal **PCFT**

Canadian Heritage maintains an inventory of all 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 Environment maintains a database of all manufacturers and vendors of registered pesticides.

Government Publication Date: 1988-Jun 2013

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: June 2009-Mar 2012

Private and Retail Fuel Storage Tanks:Provincial **PRT**

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

*Government Publication Date: 1989-1996**

Permit to Take Water:Provincial **PTTW**

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

Government Publication Date: 1994-Feb 2014

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: 1986-2012

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-Feb 2014

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-Jun 2010

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-Jun 2013

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: 1990-2011

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

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

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: 1970-Feb 2014

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: 1955-May 2013

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.

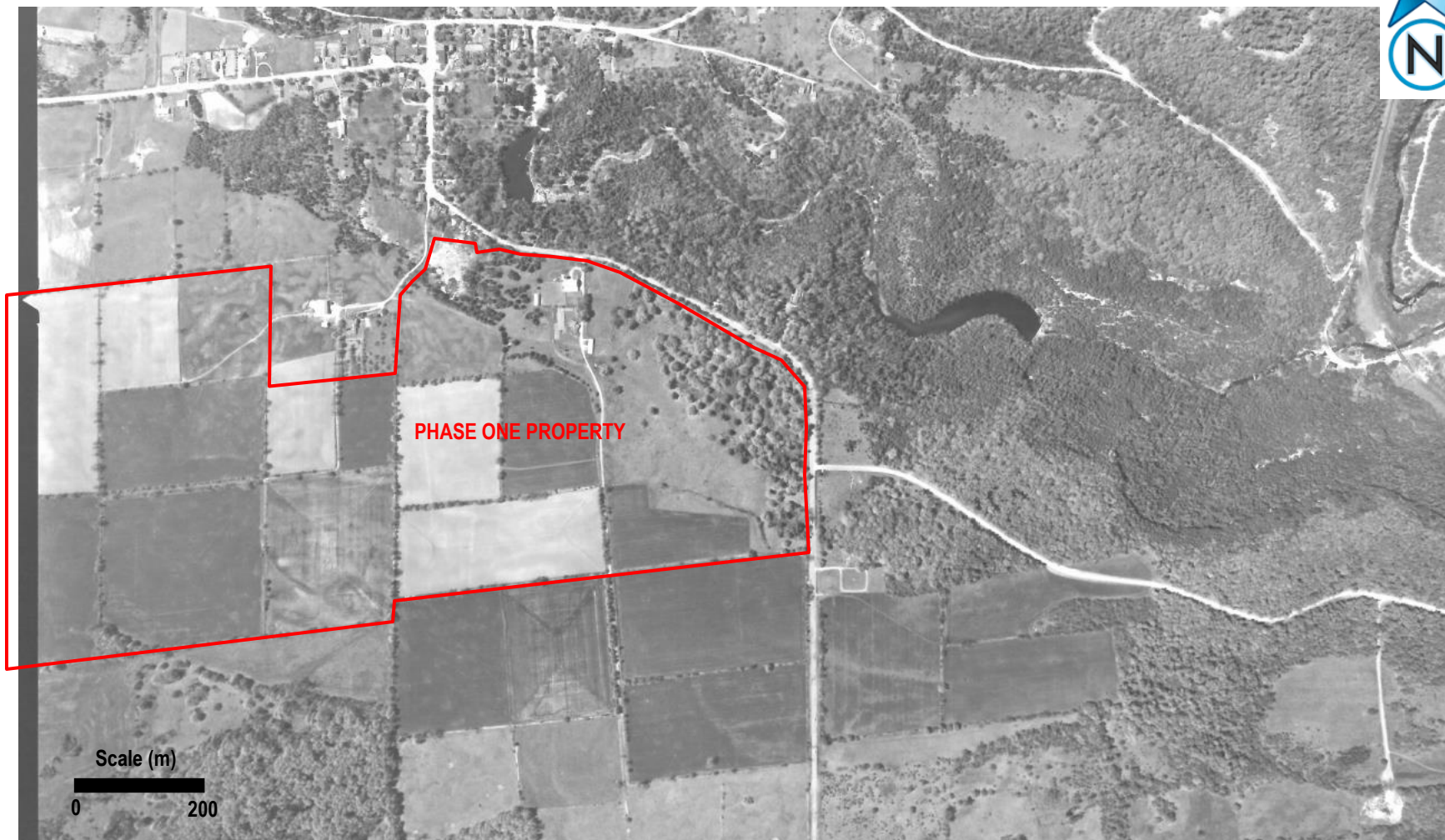
'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

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 were included as reference.

Appendix H: Aerial Photographs



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

AERIAL PHOTOGRAPH - 1967
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.:H.1



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

AERIAL PHOTOGRAPH - 1974
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.:H.2



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

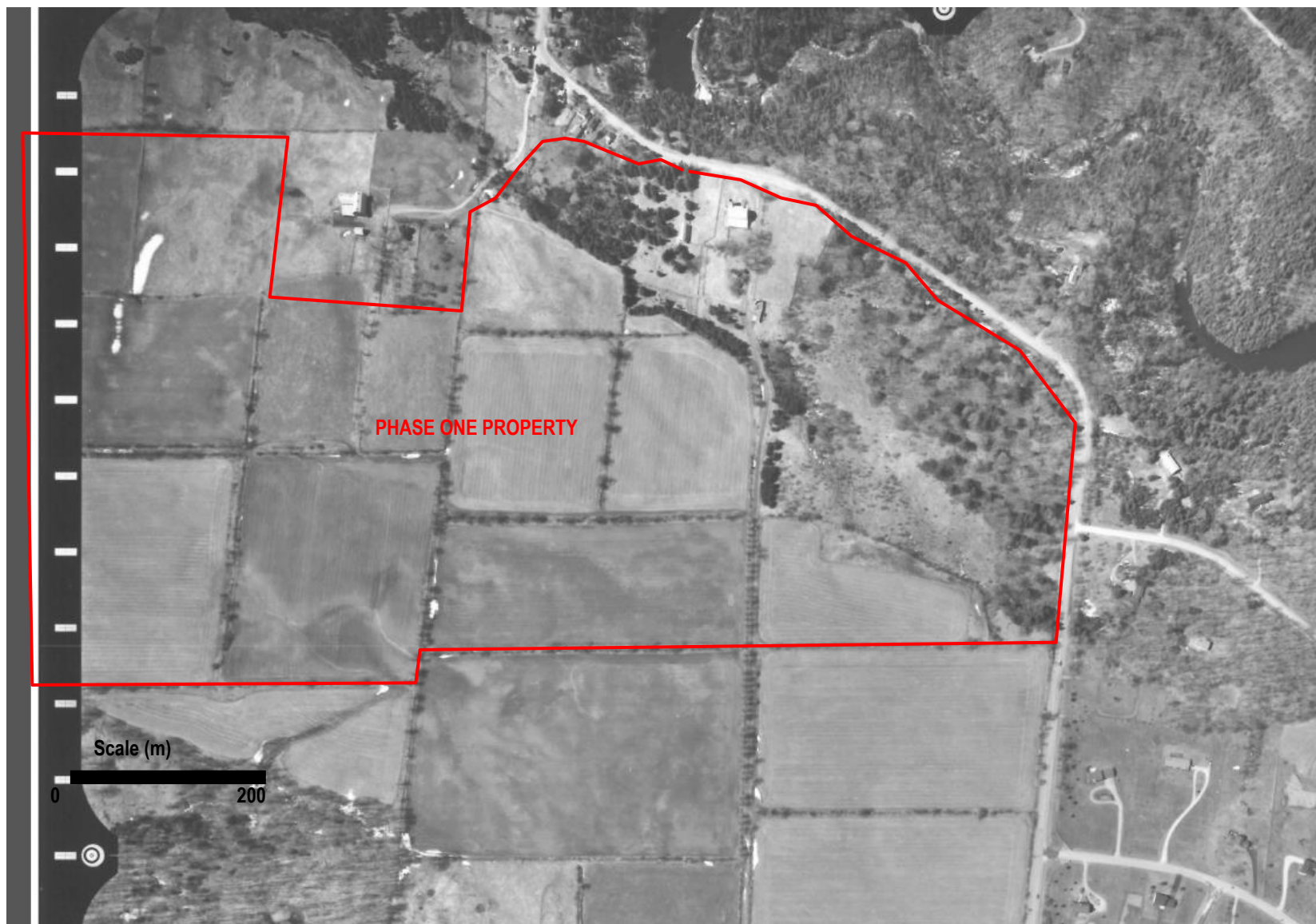
DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

AERIAL PHOTOGRAPH - 1982
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.:H.3



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

AERIAL PHOTOGRAPH - 1985
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.:H.4



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

AERIAL PHOTOGRAPH - 1996
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.:H.6



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

AERIAL PHOTOGRAPH - 2005
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

PROJECT NO.:
BRM-00603505-D0

FIGURE NO.:H.7



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

AERIAL PHOTOGRAPH - 2011
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.:H.8



exp Services Inc.
 1595 Clark Boulevard
 Brampton, Ontario
 L6T 4V1
 Telephone: (905) 793-9800
 Fax: (905) 793-0641

SCALE: As shown

DATE:
 October 2017

DWN.:AA

CHKD.:SL

AERIAL PHOTOGRAPH - 2016
 Parts of Lot 9, Concession 5, W.H.S.
 Hamlet of Belfountain,
 Town of Caledon, Ontario
PROJECT NO.:
 BRM-00603505-D0

FIGURE NO.:H.9

Appendix I: MOECC Records

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

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

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Télééc.: (416) 314-4285



November 2, 2017

Aamna Arora
exp Services Inc
1595 Clark Boulevard
Brampton, ON L6T 4V1

Dear Aamna Arora:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2017-07422, Your Reference BRM-00603505-D0

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to Lot 9, Con 5, Caledon.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Approvals 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 Moliann Weir at Moliann.Weir4@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

Appendix J: TSSA Response

Aamna Arora

From: Prem Lal <plal@tssa.org> on behalf of Public Information Services <publicinformationservices@tssa.org>
Sent: Thursday, October 26, 2017 8:20 AM
To: Aamna Arora
Subject: RE: Lot 9, Concession 5 WHS, Town of Caledon

Hi Aamna:

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Thank you Aamna and you have a great day.

Prem



Prem Lal | Public Information Coordinator

Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3570 | Fax: +1-416-734-3568 | E-Mail: plal@tssa.org
www.tssa.org



From: Aamna Arora [mailto:aamna.arora@exp.com]
Sent: October 25, 2017 6:45 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Lot 9, Concession 5 WHS, Town of Caledon

Hello,
Please check your database for any records pertaining the legal property description – Lot 9, Concession 5, WHS, Town of Caledon.
No Municipal address assigned to this property yet.

Thanks,

Aamna Arora, P.Eng. | exp

Project Manager

exp Services Inc.

t: 905.793.9800 x2250 | m: 416. 710.0016

f:905.793.0641

1595 Clark Boulevard

Brampton Ontario, L6T 4V1

Canada

exp.com | [legal disclaimer](#)

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Appendix K: Site Photographs



Photo 1: View of the Site from the east central field (looking southwest)



Photo 2: View of the Site from the southeast corner (looking west)



Photo 3: View of the Site from north central field (looking northwest) with swale visible



Photo 4: View of the Site from the southwest corner (looking southeast)

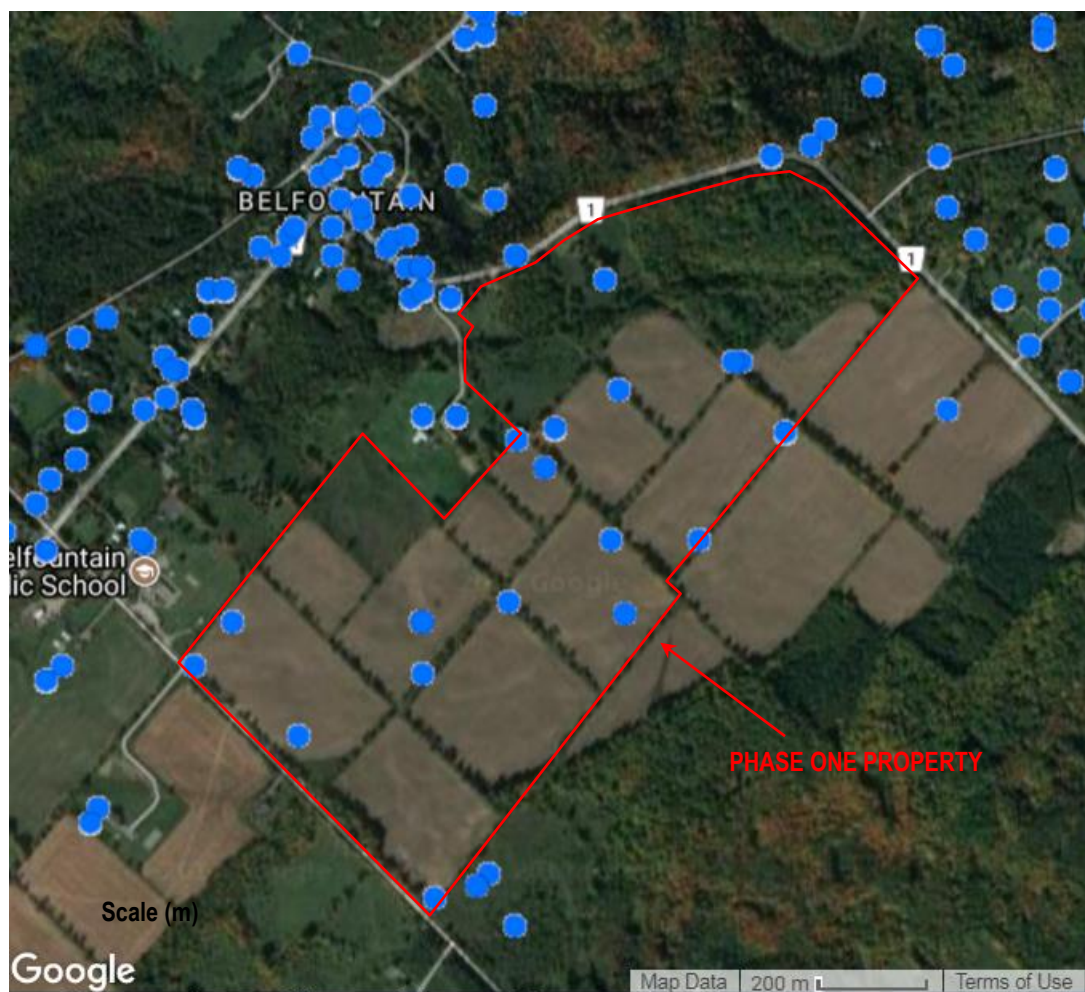


Photo 5: View of the abandoned structures (looking northeast)



Photo 6: View of western abandoned structure (looking east)

Appendix L: Water Well Records



● Well Location as Per MOECC Well Records

exp Services Inc.
 1595 Clark Boulevard
 Brampton, Ontario
 L6T 4V1
 Telephone: (905) 793-9800
 Fax: (905) 793-0641

SCALE: As shown

DATE:
 October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
 BRM-00603505-D0

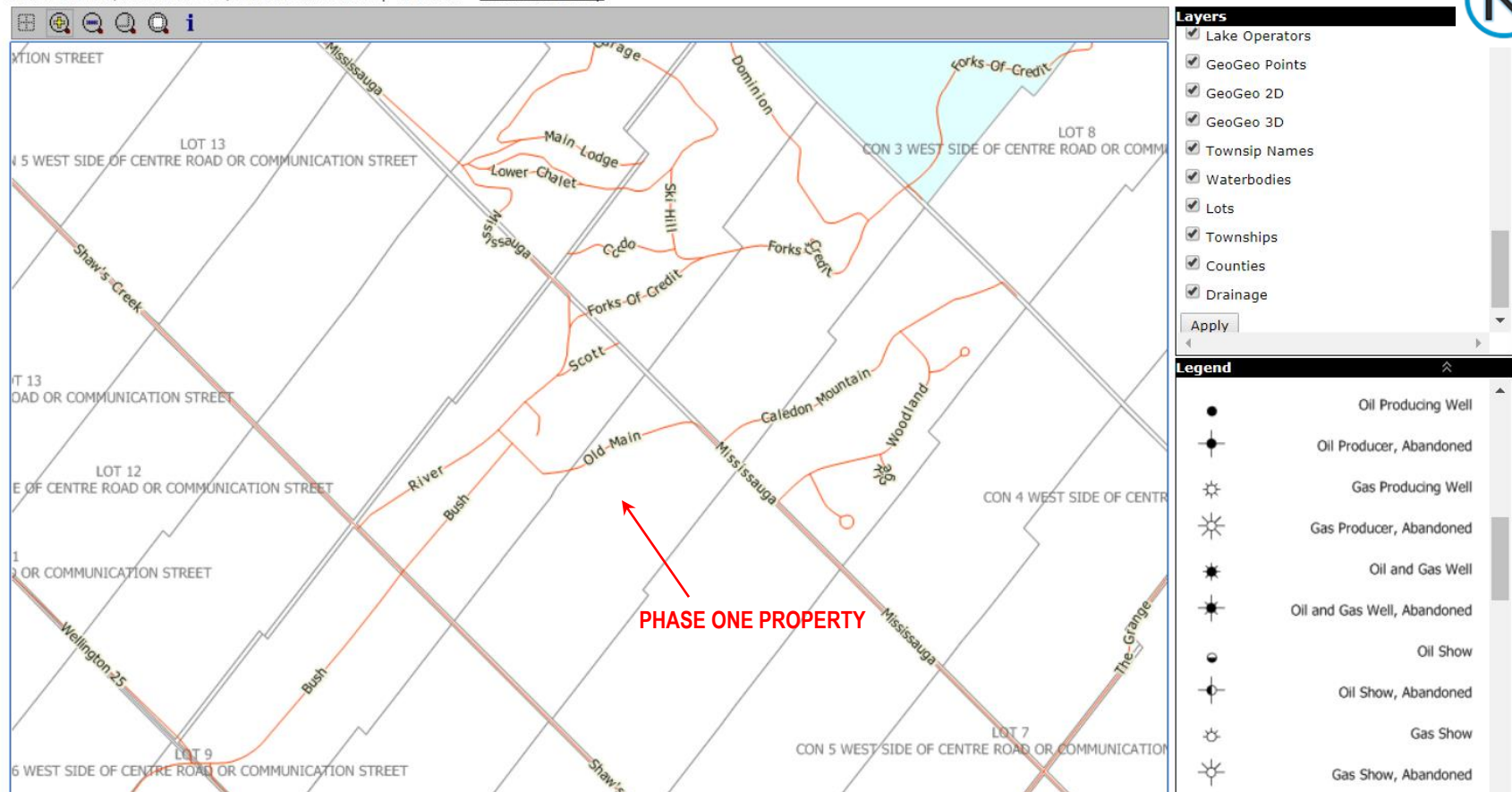
MOECC WELL LOCATION PLAN
 Parts of Lot 9, Concession 5, W.H.S.
 Hamlet of Belfountain,
 Town of Caledon, Ontario

FIGURE NO.: L.1

Appendix M: Oil, Gas, and Salt Records

Oil, Gas & Salt Resources Library

Petroleum Well, Petroleum Pool, Seismic and Fault Map of Ontario - Well Location Map



exp Services Inc.
1595 Clark Boulevard
Brampton, Ontario
L6T 4V1
Telephone: (905) 793-9800
Fax: (905) 793-0641

SCALE: As shown

DATE:
October 2017

DWN.:AA

CHKD.:SL

PROJECT NO.:
BRM-00603505-D0

Oil, Gas & Salt Resources
Parts of Lot 9, Concession 5, W.H.S.
Hamlet of Belfountain,
Town of Caledon, Ontario

FIGURE NO.: M.1

