Phase I Environmental Site Assessment 12210, 12280 and 12304, Heart Lake Road, Caledon, Ontario

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Attention: Mr. Delis Lus

Project Name:
Phase I Environmental Site Assessment

Project Number:
BRM-21004344-A0

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Table of Contents

List of Appendices

1. Legal Notification

This report was prepared by EXP Services Inc. for the account of *Broccolini Real Estate Group Ontario Inc.*

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties unless a reliance letter has been addressed to, or otherwise provides reliance to, such third party. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this project report.

2. Executive Summary

EXP Services Inc. (EXP) was retained by Mr. Delis Lus of *Broccolini Real Estate Group Ontario Inc.* (hereinafter referred to as the 'Client') to complete a Phase I Environmental Site Assessment (ESA) on the property with the municipal addresses of 12210, 12280 and 12304 Heart Lake Road, Caledon, Ontario (hereinafter referred to as the 'Site'). For the purposes of this report, Heart Lake Road is taken as running north-south with the Site being on the west side of Heart Lake Road.

It is EXP's understanding that the Phase I ESA is required for due diligence purposes as part of property acquisition, and that a Record of Site Condition (RSC) is not required at this time.

The objective of this Phase I ESA was to identify areas of potential environmental concern (APECs) to the Site. A Phase I ESA is a systematic qualitative process to assess the environmental condition of a Site based on its historical and current uses.

The Phase I ESA was completed in general accordance to CSA Standard Z768-01 (R2016). 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 Section 12 of this report.

The Site is located on the west side of Heart Lake Road approximately 845 m north of Mayfield Road. The Site is irregular in shape and occupies an approximate area of 37.26 hectares (~92.02 acres).

Based on information provided during the Site visit, the Site has been used for agricultural and residential purposes since at least 1867. A single-family residential dwelling was present on the central portion of the Site since 1867 (12304 Heart Lake Road; 'Building A') and two other single-family residential dwellings have been present on the central east (12280 Heart Lake Road, 'Building B') and southeast (12210 Heart Lake Road, 'Building C') portions of the Site since approximately 1953. Several farmland structures have been present on the central portion of the Site as early as 1867.

The Site is not connected to municipal services for potable water supply or wastewater disposal. Two (2) operational water supply wells and three (3) septic systems are reportedly present on the Site.

At the time of this assessment, the surrounding properties to the east of the Site comprised Heart Lake Road followed by vacant, undeveloped land parcels and two (2) single-family residential structures. The adjacent property to the north was under residential and agricultural land use. The adjacent properties to the west consisted of a residential subdivision and undeveloped vacant land. The surrounding properties to the south consisted of Highway 410 followed by vacant undeveloped land.

Based on the Phase I ESA findings, including Site observations, information provided by the Site representative, the review of environmental databases, available historical information, and the pending information requested from the Ministry of Environment, Conservation and Parks (MECP), the following summary is provided:

Issues of Potential Environmental Concern	Media and Potential Contaminants of Concern	Comments	Relative Degree of Environmental Risk
Site			
Two exterior diesel-containing ASTs located east of farmhouse structures	Soil and Groundwater PHCs, BTEX	Two ASTs were observed on the Site for diesel storage for farming equipment use.	**Low** No staining was observed in the areas surrounding the ASTs. The ASTs were observed to be in good condition.
Historic oil-fire furnace and wood burning in the basement of Building A	Soil and Groundwater PHCs, BTEX, PAHs	Building A was reportedly constructed in 1867 and was historically heated using wood burning and oil-fired furnace.	**Low** The concrete slab in the basement was observed to be in good condition, with no observed staining.
One diesel-containing AST in the basement of Building B	Soil and Groundwater PHCs, BTEX	One AST was observed in the basement of Building B associated with building heating.	**Low** The AST was reportedly installed in 2003 and no staining associated with it was observed. The AST was observed in good condition.
Surrounding Properties			
None identified			

Based on the findings of the Phase I ESA, no Phase II ESA is warranted. The following recommendations are provided as a matter of due diligence:

Issues Identified	Recommendations	Rationale
As detailed in Section 7.1.19, unsuitable fill may be encountered during future site grading.	If encountered, unsuitable fill should be removed off site. Fill testing will be required to assess disposal options.	Due diligence.
Presence of two (2) operational water wells and three (3) septic systems.	Once not in use, prior to site redevelopment, these should be decommissioned in accordance with applicable regulations.	To comply with regulations.
Regulated Building Materials (ACMs, UFFI, Lead and/or Mercury, ODSs)	For building demolition, it is recommended that these materials be managed in accordance with the applicable regulations and guidelines. Conduct a Designated Substances Survey (DSS) prior to any demolition or renovation activities.	Once disturbed, these materials may be released into the environment and pose environmental and/or health concerns.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety. Limitation of liability, scope of report and third-party reliance are outlined in Section 12 of this report.

3. Introduction

EXP Services Inc. (EXP) was retained by Mr. Delis Lus of *Broccolini Real Estate Group Ontario Inc.* (hereinafter referred to as the 'Client') to complete a Phase I Environmental Site Assessment (ESA) on the property with the municipal addresses of 12210, 12280 and 12304 Heart Lake Road, Caledon, Ontario (hereinafter referred to as the 'Site').

It is EXP's understanding that the Phase I ESA is required for due diligence purposes as part of property acquisition, and that a Record of Site Condition (RSC) is not required at this time.

3.1 Objective

The objective of this Phase I ESA was to identify issues of potential environmental concern to the Site. A Phase I ESA is a systematic qualitative process to assess the environmental condition of a Site based on its historical and current uses.

The Phase I ESA was completed in general accordance to CSA Standard Z768-01 (R2016). 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 Section 12 of this report.

3.2 Site Description

The Site occupies the municipal addresses of 12210, 12280 and 12304 Heart Lake Road, Caledon, Ontario. For the purposes of this report, Heart Lake Road is taken as running north-south. The Site is located on the west side of Heart Lake Road approximately 845 m north of Mayfield Road. The Site is irregular in shape and occupies an approximate area of 37.26 hectares (~92.02 acres). A Site Location Plan is provided as Figure 1.

Based on information provided during the Site visit, the Site has been used for agricultural and residential purposes since at least 1867. A single-family residential dwelling was present on the central portion of the Site since 1876 (12304 Heart Lake Road; 'Building A') and two other single-family residential dwellings have been present on the central east (12280 Heart Lake Road, 'Building B') and southeast (12210 Heart Lake Road, 'Building C') portions of the Site since approximately 1953. Several farmland structures have been present on the central portion of the Site as early as 1867.

The Site is not connected to municipal services for potable water supply or wastewater disposal. Two (2) operational water supply wells and three (3) septic systems are reportedly present on the Site.

At the time of this assessment, the surrounding properties to the east of the Site comprised Heart Lake Road followed by vacant, undeveloped land parcels and two (2) single-family residential structures. The adjacent property to the north was under residential and agricultural land use. The adjacent properties to the west consisted of a residential subdivision and undeveloped vacant land. The surrounding properties to the south consisted of Highway 410 followed by vacant undeveloped land.

A Site Plan is provided as Figure 2 and photographs of the Site, documenting the Site visit are included in Appendix A.

4. Scope of Investigation

The scope of work for the Phase I 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, available fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and/or provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Site;
- Obtaining and reviewing readily available information from the environmental database for the Site and Phase I Study Area.
- Conducting a Site visit and reviewing Site infrastructure 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;
- Reviewing the current uses of the Site and any land use practices that may have impacted the 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 the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses or monitoring of materials. In addition, general environmental management and housekeeping practices 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 this investigation.

EXP personnel who conducted assessment work for this project included Ms. Rachel Baldwin, M.Sc. and Mr. David Dennison, P.Eng. An outline of their qualifications is provided in Section 10.

5. Records Review

5.1 General

For the purpose of this assignment, the Phase I Study Area consists of neighbouring properties within a distance of approximately 150 metres from the boundaries of the Site. The Phase I Study Area comprises vacant, undeveloped land parcels as well as residential and agricultural use properties.

Based on information provided during the Site visit, the Site has been used for agricultural and residential purposes since at least 1867. A single-family residential dwelling was present on the central portion of the Site since 1876 (12304 Heart Lake Road; 'Building A') and two other single-family residential dwellings have been present on the central east (12280 Heart Lake Road, 'Building B') and southeast (12210 Heart Lake Road, 'Building C') portions of the Site since approximately 1953. Several farmland structures have been present on the central portion of the Site as early as 1867.

A more detailed discussion of the Site history based on the available documentation is provided in the following sections.

5.2 Maps

The following maps were reviewed during this Phase I ESA:

- Topographic Map available at the Natural Resources Canada (NRC) website http://atlas.gc.ca/toporama/en/index.html
- "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
- "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.

The review of these maps indicated the following:

- The local immediate topography on the Site is generally flat with a gentle slope towards the west. There is no water body present on the Site. The Site is situated in the *Etobicoke Creek Watershed.* The nearest water body is a tributary leading to *Heart Lake*, located approximately 350 metres south of the Site;
- The local groundwater gradient of the Site likely flows south towards the nearest water body. The actual groundwater flow direction can only be determined by long term groundwater elevation investigation in the area;
- The overburden of the Site is dominated by fine-textured glaciolacustrine deposits consisting of predominantly silt to clay-textured till; and
- The bedrock geology of the Site is Ordovician (Upper Ordovician) bedrock consisting of: shale, limestone, dolostone and siltstone belonging to the Queenston Formation.

5.3 Aerial Photographs

At the time of this Phase I ESA, aerial photographs of the Site and the Phase I Study Area, dated: 1967, 1974, 1985, 1993 and 1999 were obtained from the *Region of Peel* digital records and aerial photographs dated 2004, 2007, 2013, 2016 and 2018 were obtained from Google Earth. These aerial photographs were examined to review the development and land use history of the Site and its surrounding properties within the Phase I Study Area.

Due to the scale of some of the aerial photographs, a detailed examination of the Site could not be conducted. The development and land use history of the Site and adjacent properties as seen on the reviewed aerial photographs are summarized in the following Table 1:

Aerial Photograph	Details
1967	• The majority of the Site appears to be undeveloped and under agricultural land use. However the central east portion of the Site is developed with two (2) single-family residential dwellings and several farmhouse structures. Another single-family residential dwelling is present on the southeast corner of the Site. Three (3) driveways provide vehicular access to each of the residential dwellings and the farmhouse from Heart Lake Road; • A road, resembling the present road alignment of Heart Lake Road is visible east adjacent to the Site; • Single-family residential dwellings are located east and southeast of the Site (across Heart Lake Road); • A farming structure is visible at the adjacent property to the east of the Site (across Heart Lake Road and on the adjacent property to the north of Site); and • All other properties within the Phase I Study Area appear to be undeveloped or under agricultural use.
1974	• Several farming structures are visible on the adjacent property to the southeast of the Site (across Heart Lake Road); • One additional single-family residential dwelling is visible to the northeast of the Site (across Heart Lake Road); and • There are no other obvious visible differences between the 1967 and 1974 aerial photographs.
1985	• One additional farming structure is present on the Site, in close proximity to the other farming structures; and • There are no other obvious visible differences between the 1985 and 1974 aerial photographs.
1993	• Three (3) additional single-family residential dwellings are now present on the surrounding properties to the northeast of the Site and one on the adjacent property to the southeast of the Site (across Heart Lake Road); • There are no other obvious visible changes between the 1993 and 1985 aerial photographs.
1999	• Landscape appears modified for vehicular traffic on the surrounding property to the southeast of the Site (across Heart Lake Road); and • There are no other significant visible differences between the 1999 and 1993 aerial photographs.
2004	• There are no obvious visible differences between the 2004 and 1999 aerial photographs.

Aerial Photograph	Details
2007	• There are no obvious visible differences between the 2007 and 2004 aerial photographs.
2013	• The single-family residential dwellings on the adjacent properties to the east of the Site (across Heart Lake Road) are no longer visible; • Highway 410 is present on the adjacent property to the south of the Site oriented in the east-west direction ; and • There are no other obvious visible changes between the 2013 and 2007 aerial photographs.
2016	• The farming structures and single-family residential dwelling located on the adjacent property to the southeast of the Site with the modified landscape area is no longer visible; and • There are no other obvious visible differences between the 2016 and 2013 aerial photographs.
2018	• Construction activities appear present off the southeast portion of the Site, just north of Highway 410; • A storage yard appears visible on the adjacent property to the northeast of the Site (across Heart Lake Road); and • There are no other obvious visible differences between the 2018 and 2016 aerial photographs.

Based on aerial photographs, the Site has been developed with three (3) single-family residential dwellings and under agricultural use since at least 1967.

5.4 City Directories

The available volumes of the Polk's Halton/Peel Region, Ontario Criss-Cross Directories dated between 1958 and 2000 were reviewed by LGI Copy Service Canada in approximately five (5)-year increments to identify the occupancy history of the Site and surrounding properties. However, due to COVID-19, a complete city directory search the Phase I ESA Study Area could be not be completed. When libraries are re-opened and additional information can be collected regarding the Phase I ESA Study Area, pertinent information will be provided in an Addendum. The city directory search available to date is provided in Appendix B. The following pertinent information was obtained from the review of the directories:

- The Site addresses of 12210, 12280 and 12304 Heart Lake Road were not listed from 1958 to 2000;
- The remaining properties in the Phase I Study Area were inaccessible at this time or not listed.

Based on the information provided in the city directories currently available for review, no issues of potential environmental concern were identified for the Site.

5.5 Fire Insurance Plan (FIPs)

The search conducted by EXP for FIPs did not identify any maps that provided coverage of the Site or the Phase I Study Area.

5.6 Previous Reports

No previous environmental reports were available for review at the time of this Phase I ESA.

5.7 Chain of Title

A complete historical title search was not deemed necessary as part of this Phase I ESA since sufficient information to establish site use was available from other sources.

5.8 Regulatory Requests

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints and outstanding environmental regulatory non-compliance issues. EXP did not identify the need to contact any federal agencies.

5.8.1 Ministry of the Environment, Conservation and Parks

On March 19, 2021, a request for information was submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information, Protection of Privacy Office for information in their files regarding the Site that pertain to any Environmental Concerns, Orders and Spills.

A written response from the MECP typically requires several months. If upon receipt of the response from the MECP, any significant environmental issues are identified, EXP will forward their response to the Client as an addendum to this report.

A copy of the request is included in Appendix C.

5.8.2 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) is the Provincial regulatory agency responsible for overseeing the storage of fuels in Ontario. As such, the TSSA maintains a database (approximately 1987 to present) of all registered fuel storage tanks in Ontario.

The TSSA was contacted by e-mail and requested to search the TSSA database for records of fuel storage at the Site. On March 9, 2021 the TSSA was requested to search the address of 12304 Heart Lake Road, Kleinberg, Ontario and on March 15, 2021, the TSSA was requested to search the addresses of 12210 and 12280 Heart Lake Road, Kleinberg, Ontario. Responses were received on March 9, 2021 and on March 15, 2021, respectively. The searches of the TSSA database did not identify any records of fuel storage at the Site.

The e-mail correspondence with the TSSA is presented in Appendix C.

5.9 Company Records

Not applicable since the Site is under residential and agricultural use.

5.10 Waste Disposal Sites

The MECP maintains an inventory of all known active and closed waste disposal sites in Ontario. The review of the Waste Disposal Site Inventory did not identify any active or closed waste disposal sites within a 250 m radius of the Site.

5.11 Inventory of Coal Gasification Plant Waste Sites in Ontario

The Inventory of Coal Gasification Plant Waste Sites was published by the MECP in 1988 to document the industrial facilities in Ontario that produced or used coal tar and other related tars. The information included in this inventory includes facility type, size, land use, soil condition, site operators/occupants, site description, and potential environmental impacts.

The Inventory of Coal Gasification Plant Waste Sites did not identify any former industrial coal gasification plants or disposal sites within a 250 m radius of the Site.

5.12 ERIS Database Report

A search of provincial and federal databases for records pertaining to the Site and Phase I Study Area was conducted on behalf of EXP by ERIS on March 10, 2021. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. It is noted that while the ERIS report was completed using a radius of 250 metre that was taken from the boundaries of the Site, for this Phase I ESA report, only the records located within the Phase I Study Area were reviewed.

A copy of the ERIS report is provided in Appendix D, with a summary of the noteworthy findings provided in the following Table 2:

TABLE 2: SUMMARY OF ERIS REPORT ENTIRES

ADDRESS	DISTANCE FROM SITE	DATABASE	DESCRIPTION	POTENTIAL ENVIRONMENTAL CONCERN (YES/NO)
SITE				
12304 Heart Lake Road	SITE	Water Well Information System (WWIS)	One (1) domestic well for livestock use was reported to have been installed on the Site on 8/24/1965 under Well ID 4901239. One (1) domestic well was reported to have been installed on the Site on 8/7/1973 under Well ID 4904112. One (1) monitoring well was reported to have been installed on the Site on 12/10/2013 under Well ID 7212525. One (1) well under Well ID 7255007 was decommissioned on 12/29/2015.	**NO:** The presence of wells alone is not considered to be of environmental risk to the Site.
SURROUNDING PROPERTIES				
12179 Heart Lake Road	20 m EAST of SITE	Pesticide Register (PES)	*Gore Landscaping Enterprise Limited* was a licensed operator for pesticide use (License No. 00185).	**NO:** The operations at the occupying business are not anticipated to adversely impact the subsurface environmental conditions of the Site.
		Ontario Regulation 347 Waste Generators Summary (GEN)	*Gore Landscaping Enterprises Ltd.* was registered as a waste generator of waste oils and lubricants from 1994 to 2001.	**NO:** The waste generation is cross-gradient of inferred direction of groundwater flow (i.e. south) and adverse effects to the subsurface environmental conditions of the Site are not anticipated.
12211 Heart Lake Road	20 m EAST OF SITE	Scott's Manufacturing Directory (SCT)	*Brampton Woodcraft* conducted hardwood dimension and flooring mills and wood household furniture (except upholstered) operations in 1993.	**NO:** The operations at the occupying business are not anticipated to adversely impact the subsurface environmental conditions of the Site.

ADDRESS	DISTANCE FROM SITE	DATABASE	DESCRIPTION	POTENTIAL ENVIRONMENTAL CONCERN (YES/NO)
20 Aspenview Avenue	115 m NORTHWEST OF SITE	Ontario Spills (SPL)	*The Regional Municipality of Peel* reported a spill of a small quantity of gasoline in a residential area. The gasoline reportedly went to the catch basin and was contained.	**NO:** The spill occurred a sufficient distance from the Site and was reportedly contained, and as such is not anticipated to result in adverse effects to the subsurface environmental conditions of the Site.

Fifteen (15) water well records were noted on the adjacent/surrounding properties in the Phase I Study Area, - seven (7) used for domestic water supply purposes, one (1) for livestock purposes, one (1) was decommissioned and six (6) had unknown purposes.

5.13 Record of Site Condition

A Record of Site Condition (RSC) summarizes the environmental conditions of a property as determined by a qualified person (QP) by conducting a Phase I ESA, and where necessary, a Phase II ESA, confirmatory sampling and a risk assessment. Upon completion of the necessary Environmental Site Assessments, an RSC for an assessed property can be filed with the MECP and added to the Environmental Brownfields Site Registry database. This online, publicly available database can be searched to identify what properties may have potential environmental concerns.

According to the ERIS database report, no RSCs were filed for the Site or any properties within the Phase I Study Area.

6. Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable with respect to both the current and historical uses and operations of the Site. The interviews were conducted to obtain information to assist in identifying areas of potential environmental risk and identify details of potentially contaminating activities or potential contaminant pathways, in, on, or beneath the Site.

The Site property owner was interviewed and accompanied EXP personnel at the time of EXP's Site visit. He provided access to the site buildings and provided information regarding the operations on-site. All information provided has been incorporated into the applicable sections of this report.

7. Site Visit

On March 10, 2021, Ms. Rachel Baldwin of EXP conducted the Site visit in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the visit was to assess the current conditions of the Site. At the time of EXP's Site visit the weather was clear and sunny with an average temperature of 12°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 A.

7.1 Site

7.1.1 Property Use

The Site is currently developed with three (3) residential buildings accessible from Heart Lake Road. The remainder of the Site is under agricultural use.

7.1.2 Buildings and Structures

The Site is currently developed with three (3) residential buildings. Building A is a two-storey structure with a partial basement level. Based on information from the Site contact, Building A was reportedly constructed in 1867. Building B is one-storey structure with a full basement level and was reportedly constructed in approximately 1953. Building C is a one-storey structure with a full basement and attached garage, also reportedly constructed in approximately 1953.

Three (3) farming structures and a silo were located on the central portion of the Site, west of Building A. One (1) farming structure was formerly used for dairy cattle and milk processing, but has reportedly not been in operation since 2005. Two (2) farming structures are used for storage of tractors and other farming equipment.

Two (2) parking garage structures are present on the Site - one located north of Building A and the other located southwest of Building B. One shed used for tool storage is located northwest of Building A.

7.1.3 Limitations at the Site

Due to the presence of overgrown vegetation at certain portions and snow cover, observations of the ground surface were limited at the time of the site visit.

7.1.4 Chemical Inventory, Storage and Handling

Chemical storage at the Site primarily consisted of common household cleaning supplies, propane gas, diesel fuel and lubricants.

7.1.5 Storage Tanks and Containers

Two (2) aboveground storage tanks (ASTs) were observed on the exterior landscaped area to the east of the silo, each with approximately 300 to 400-gallon capacity. Reportedly one of the ASTs is empty and the other contains a small amount of diesel fuel. The ASTs were observed to be in good condition, with no obvious staining.

One (1) AST was observed in the basement of Building B and was reportedly installed in 2003. The AST holds diesel fuel for heating and was observed to be in good condition, with no obvious associated staining.

No evidence of underground storage tanks (USTs) such as fill or vent pipes were observed on the Site at the time of EXP's site reconnaissance.

7.1.6 Special Attention Substances

Polychlorinated Biphenyls

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCBs-containing equipment on the Site. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Recent scientific research has indicated the potential presence of PCBs in window caulking material. A review of the Site was conducted to evaluate the potential presence of PCBs-containing equipment in use or stored at the Site.

Any electrical equipment containing PCBs must be disposed of in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCBs is permissible.

Based on the approximate ages of the on-Site structures (constructed between 1867 and 1953) it is considered possible that the original light ballasts present within the structures may contain PCBs.

7.1.6.2 Asbestos-Containing Materials

Asbestos-containing materials (ACMs) are fibrous hydrated silicates and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos, which is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACMs in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACMs was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

Based on the approximate ages of the on-Site structures (constructed between 1867 and 1953) it is considered possible that ACMs are present in the building materials. At the time of the site visit, vinyl floor tiles and pipe fitting insulation were observed in Building A. Drywall was observed in Building B and Building C.

7.1.6.3 Ozone Depleting Substances (ODSs)

Production of Chlorofluorocarbons (CFCs) often referred to as Freons, ceased in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and a total ban on their use is proposed for 2030. The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

The use of the hydrochlorofluorocarbon HCFC (R-22), commonly found in air conditioning and refrigeration equipment, is not currently regulated. However, strict controls over the manufacture and supply of this compound are in place. The Environmental Protection Act specifies various re-fill restrictions for chillers and large refrigeration equipment (compressors with a total capacity greater than 22kW) with certain exceptions.

Building B and Building C had exterior air conditioning units. Additionally, freezer and/or refrigerator units that could contain Ozone Depleting Substances (ODSs) were present in one of the farmhouse structures and each of the three (3) residential structures.

At the time of EXP's site visit all cooling units on the Site were understood to be in good operating condition.

Under the management of a licensed contractor, the subject systems do not represent a significant threat to human health or the environment. However, if present, CFCs will require replacement by 2030 and as such consideration should be given to future phase out programs. Maintenance of refrigerant containing equipment, if any, should continue to be completed in compliance with Ontario Regulation 189/94 by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor.

7.1.6.4 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Based on the approximate ages of the on-Site structures (between 1867 and 1980), it is considered possible that lead containing paints may be present on the original painted surfaces. Painted surfaces were generally observed to be in good condition, with the exception of peeling paint observed in the basement of Building B. It is recommended that these areas of paint be assumed to contain lead-based paint and be appropriately removed by a qualified contractor.

7.1.6.5 Urea Formaldehyde Foam Insulation

UFFI was formerly sprayed into cavities of walls and above ceilings as an insulating material. UFFI has been discontinued from commercial use since the early 1980s.

Based on the approximate ages of the on-Site residential structures (constructed between 1867 and 1953), the presence of UFFI is considered possible. However, no indications of the use of UFFI such as circular patched holes in walls were noted during EXP's site reconnaissance.

7.1.6.6 Mercury

Mercury was used in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove "interior uses" from their product labels.

Based on the approximate ages of the on-Site structures (between 1867 and 1953), it is considered possible that mercury containing paints may be present on the original painted surfaces. All painted surfaces were observed to be in good condition with the exception of peeling paint observed in the basement of Building B.

7.1.6.7 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)".

No evidence of mould was observed on the Site during our site visit.

7.1.6.8 Radon

Radon is a colorless, 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/m^3). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m^3 in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

A radon gas assessment was beyond the scope of this Phase I ESA, and as such, radon gas was not assessed.

7.1.7 Drains and Sumps

One (1) sump pump was present in the basement of Building B. Drains were noted present in the farming structure utilized for dairy cattle and milk processing. A weeping tile system was reportedly utilized for Building C.

7.1.8 Building Heating and Cooling Systems

Building A is currently heated using a propane furnace, and was historically heated using an oil-fired furnace and wood burning. Building B is currently heated used an oil-fired furnace with associated diesel stored in an AST in the basement. Building C is currently connected to the natural gas supply and the furnace is located in the basement. Building B and Building C were cooled using exterior air conditioning units.

7.1.9 Mechanical Equipment

Farming equipment for crops and dairy cattle operations was present in the various farming structures on the Site. A ride-on lawn mower was also present on the Site.

7.1.10 Air Emissions

Air emissions in Ontario are regulated under the Environmental Protection Act (EPA) and its Regulations (O. Reg. 419/05, O. Reg. 245/11). Owners and operators of activities that may discharge a contaminant into the natural environment must seek approval from the Ministry of the Environment, Conservation and Parks (MECP) to carry out these activities. As of October 31, 2011, amendments to the EPA resulted in a two-path environmental approval process, the Environmental Compliance Approval (ECA) and Environmental Activity and Sector Registry (EASR). The EASR allows businesses to register certain activities with the ministry, rather than apply for approvals. The EASR is for common systems and processes, currently for heating systems, standby power systems and automotive refinishing, to which pre-set rules of operation can be applied. Unless explicitly exempted, most industrial processes or modification to industrial processes and equipment require an ECA, formerly a Certificate of Approval (Air and Noise). Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a Certificate of Approval was added to the EPA. The EPA provides a list of specific equipment and conditions, which are exempt from approval 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])

Air emissions on the Site were limited to exhaust from the Site buildings' heating and cooling systems. No activities suspected of requiring an ECA were observed on the Site at the time of EXP's Site visit.

7.1.11 Odour and Noise

No chemical or other significant odours were detected during the site visit. No excessive noise was noted at the Site during the site visit.

7.1.12 Sewage and Wastewater Disposal

The Site is currently not serviced by the City's sewer/wastewater disposal system. Each of the three (3) residential structures is serviced by its own septic system.

7.1.13 Liquid Chemical Waste Generation, Storage & Disposal

The Site is under residential and agricultural use and does not generate any liquid chemical waste.

7.1.14 Solid Waste Generation, Storage & Disposal

Solid waste generated on the Site is generally limited to common household waste and debris associated with farming activities. One (1) waste container was observed on the Site in close proximity to Building A. The waste is reportedly picked up by a private contractor (*GFL Environmental Inc.*) on an as-needed basis.

7.1.15 Topographic, Geologic and Hydrogeologic Conditions

The local immediate topography on the Site is generally flat with a gentle slope towards the west. The Site is situated in the *Etobicoke Creek Watershed*. The local groundwater gradient of the Site likely flows south towards a tributary leading to *Heart Lake*, located approximately 350 metres south of the Site. The actual groundwater flow direction can only be determined by long term groundwater elevation investigation in the area.

7.1.16 Water Courses, Ditches and Site Drainage

There is no natural water body present on the Site. The site drainage is controlled through natural relief and drains towards the low points of the Site in vegetated areas and an off-site drainage ditch on the adjacent roadway.

7.1.17 Abandoned and Existing Wells

Three (3) domestic water supply wells were observed by EXP at the time of the Site visit. One well was located west of Building A and another located north of Building C, both are reportedly still in operation. Another well was located southwest of Building B. However, this well was reportedly decommissioned.

7.1.18 Potable Water Sources

The site is not connected to the municipal water source.

7.1.19 Fill Material

One stockpile was observed on the Site at the time of the Site visit. The stockpile was approximately 9 m^3 in size and was located south of the farming structures. A sample of the stockpiled material was tested as part of the Geotechnical investigation carried out in conjunction with this Phase I ESA. Chemical quality of the sample was found to be in conformance with the MECP criteria applicable to the Site.

Additionally, it is known that it was common practice in the past, for imported fill to be used to level depressions to allow for easier cultivation of agricultural fields. As such the potential for pockets of fill to be present at the Site cannot be ruled out.

7.1.20 Stained Materials

No evidence of surficial staining was observed at the Site during our site visit. Due to the presence of overgrown vegetation at certain portions and snow cover, observations of the ground surface were limited at the time of the Site visit.

7.1.21 Stressed Vegetation

No stressed vegetation was observed during the site visit.

7.1.22 Roads, Parking Facilities and Right of Ways

Access to the Site is provided via three (3) asphalt paved driveways accessible from Heart Lake Road. Dedicated driveways provided access to each of Building B and Building C and the third driveway provided access to Building A and associated farming structures. No Right of Ways were observed at the time of the site visit.

7.1.23 Pits and Lagoons

No pits and lagoons were noted at the Site during our site visit.

7.1.24 Unidentified Substances

No unidentified substances were observed at the time of the site visit.

7.2 Adjacent and Surrounding Properties

A visual reconnaissance of the adjoining properties and properties within the Phase I Study Area was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concern that may impact the Site. The information collected is as follows:

- **NORTH:** Residential and farmland;
- **EAST:** Heart Lake Road followed by a storage yard and vacant land to the northeast and two (2) single-family residential dwellings to the southeast;
- **SOUTH:** Highway 410 followed by undeveloped vacant land; and
- **WEST:** Single-family residential dwellings to the northwest and undeveloped vacant land to the southwest.

Based on the observations made at the time of the Site visit no properties were identified in the Phase I Study Area with operations of potential environmental concern to the Site.

8. Summary of Findings and Conclusions

Based on the Phase I ESA findings, including Site observations, the review of environmental databases, available historical information, and the pending information requested from the Ministry of Environment, Conservation and Parks (MECP), the following summary regarding potential environmental concerns is provided:

Issues of Potential Environmental Concern	Media and Potential Contaminants of Concern	Comments	Relative Degree of Environmental Risk
Site			
Two exterior diesel-containing ASTs located east of farmhouse structures	Soil and Groundwater PHCs, BTEX	Two ASTs were observed on the Site and for diesel storage for farming equipment use.	**Low** No staining was observed in the areas surrounding the ASTs. The ASTs were observed to be in good condition.
Historic oil-fired furnace and wood burning in the basement of Building A	Soil and Groundwater PHCs, BTEX, PAHs	Building A was reportedly constructed in 1867 and was historically heated using wood burning and oil-fired furnace.	**Low** The concrete slab in the basement was observed to be in good condition, with no observed staining.
One diesel-containing AST in the basement of Building B	Soil and Groundwater PHCs, BTEX	One AST was observed in the basement of Building B associated with building heating.	**Low** The AST was reportedly installed in 2003 and no staining associated with it was observed. The AST and concrete floor were observed to be in good condition.
Surrounding Properties			
None identified			

9. Recommendations

Based on the findings of the Phase I ESA, no Phase II ESA is warranted at this time. The following recommendations are provided as a matter of due diligence.

Issues Identified	Recommendations	Rationale
As detailed in Section 7.1.19, unsuitable fill may be encountered during future site grading.	If encountered, unsuitable fill should be removed off site. Fill testing will be required to assess disposal options.	Due diligence.
Presence of two (2) operational water wells and three (3) septic systems.	Once not in use, prior to site redevelopment, these should be decommissioned in accordance with applicable regulations.	To comply with regulations.
Regulated Building Materials (ACMs, UFFI, Lead and/or Mercury, ODSs)	For building demolition, it is recommended that these materials be managed in accordance with the applicable regulations and guidelines. Conduct a Designated Substances Survey (DSS) prior to any demolition or renovation activities.	Once disturbed, these materials may be released into the environment and pose environmental and/or health concerns.

10. Qualifications of Assessors

The records review and Site visit for this assessment were conducted by Ms. Rachel Baldwin, M.Sc., who has been trained in conducting Phase I ESAs in accordance with the CSA Standard.

This report was reviewed by Mr. David Dennison, P.Eng. is a Senior Geoenvironmental Engineer who has over 27 years experience in conducting Phase I ESAs. He has performed numerous Phase I and II ESAs on residential, commercial, and industrial properties throughout Ontario.

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, Conservation and Parks. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

11. References

1. Canadian Standards Association. November 2001. Z768-0 Phase I Environmental Site Assessment.
2. Occupational Health and Safety Act - Ministry of Labour (MOL).
3. Topographic Map available at the Natural Resources Canada (NRC) website http://atlas.gc.ca/toporama/en/index.html
4. "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
5. "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.
6. Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
7. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
8. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
9. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
10. Hazardous Waste Information Systems (HWIS, 1986-2005).
11. Ontario Ministry of the Environment, Brownfields Registry website (www.ene.gov.on.ca/environet/BESR/index.htm).

12. Limitations and Use of Report

BASIS OF REPORT

This report ("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.

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. Unless EXP has reason to believe information is incorrect exercising the standard of care set out in the Services Agreement, 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. The applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report may not be accurate if there has been a material alteration to or variation from the information provided to EXP. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

STANDARD OF CARE

The 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

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 and any other authorized user. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any unauthorized 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.

We trust this report satisfies your immediate requirements. If you have any questions regarding the information in this report, please do not hesitate to contact this office.

EXP Services Inc.

Rachel Baldwin, M.Sc.
Geo-Environmental Scientist
Earth and Environment

David Dennison, P.Eng.
Senior Project Manager
Geotechnical Division

Figures

Figure 1. Site Location Plan
12210, 12280 and 12304 Heart Lake Road, Caledon, Ontario

Scale:	Checked by:	Date:	Project No.:
As Shown	DD	March, 2021	BRM-21004344-A0
	Drawn by: RB		Figure No.: 1

Figure 2. Site Plan
12210, 12280 and 12304 Heart Lake Road, Caledon, Ontario

Scale:	Checked by:	Date:	Project No.:
As Shown	DD	March, 2021	BRM-21004344-A0
	Drawn by: RB		Figure No.: 2

Appendix A – Site Photographs

Photograph No. 1
View of Building A and water well
(Looking east)

Photograph No. 2
Suspected ACM pipe insulation
(Basement of Building A)

Photograph No. 3
Former dairy cattle operations in farmhouse
(Farmhouse structure)

Photograph No. 4
View of two exterior diesel-containing ASTs
(Looking west)

Photograph No. 5
Farming equipment
(Farmhouse structure)

Photograph No. 6
View of the Site
(Looking west)

Photograph No. 7
View of stockpile
(Looking north)

Photograph No. 8
View of the Site
(Looking east)

Photograph No. 9
View of Building B
(Looking west)

Photograph No. 10
View of the interior AST
(Basement of Building B)

Photograph No. 11
View of Building C
(Looking west)

Photograph No. 12
View of the Site
(Looking north)

Appendix B – City Directories

LGI
COPY SERVICE CANADA

www.lgicscanada.com
alantos@lgicscanada.com
Phone: 613 875-7387

City Directory Information Source
Polk's Halton/Peel, Ontario Criss-Cross Directory ***Note addendum regarding documentation results***

2000	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed 12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600) **Missing (12100-12199)**	-No Listings Within Radius
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed
Bonnieglen Farm Boulevard (All)	-Information Inaccessible

2000	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1994	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed 12280-Address Not Listed

1994	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
	12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600) **Missing (12100-12199)**	-No Listings Within Radius
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed

1994	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1989	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed 12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600)	-Street Not Listed
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed

1989	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1983	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed

1983	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
	12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600)	-Street Not Listed
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed

1983	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1977-78	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed 12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600)	-Street Not Listed
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed

1977-78	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1972-73	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed

1972-73	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
	12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600)	-Street Not Listed
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed

1972-73	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1965	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed 12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600)	-Street Not Listed
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed

1965	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

1958	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Site Listing:	12210-Address Not Listed

1958	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
	12280-Address Not Listed 12304-Address Not Listed
Adjacent Properties:	
Heartlake Road (12100-12600)	-Street Not Listed
Abbotside Way (All)	-Street Not Listed
Aspenview Avenue (All)	-Street Not Listed
Benadir Avenue (All)	-Street Not Listed
Bonnieglen Farm Boulevard (All)	-Information Inaccessible
Cedarcrest Street (All)	-Street Not Listed
Cottonfield Circle (All)	-Information Inaccessible
Doris Pawley Crescent (All)	-Information Inaccessible
Larson Peak Road (All)	-Information Inaccessible
Learmont Avenue (All)	-Street Not Listed

1958	
Project Number: EXP **Site Address: 12210, 12280 & 12304 Heartlake Road, Kleinberg, ON**	
Losino Court (All)	-Street Not Listed
Maplerun Street (All)	-Information Inaccessible
Nectarlane Avenue (All)	-Information Inaccessible
ON-410	-No Civic Address Within Requested Radius

Absent addresses are inaccessible at this time*

****Due to unforeseen circumstances resulting from the Covid-19 pandemic of 2020, access to information sources has been prohibited. While all additional measures were undertaken in order to provide accurate information where possible, some project searches yielded no results****

Appendix C – Regulatory Requests

Rachel Baldwin

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Tuesday, March 9, 2021 5:23 PM
To: Rachel Baldwin
Subject: RE: Fuel Records Storage - 12304 Heart Lake Road, Kleinberg, ON

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

NO RECORD FOUND

Hello Rachel,

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,

Sherees

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Rachel Baldwin <Rachel.Baldwin@exp.com>
Sent: March 9, 2021 1:44 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Fuel Records Storage - 12304 Heart Lake Road, Kleinberg, ON

Good Afternoon,

Could you please search the TSSA database for records associated with **12304 Heart Lake Road** in Kleinberg, ON?

Thank you in advance for your assistance.

Rachel Baldwin
EXP | Geo-Environmental Scientist
t : +1.905.695.3217, 3823 | m : +1.437.214.9754 | e : rachel.baldwin@exp.com
220 Commerce Valley Drive West, Suite 110
Markham, ON L3T 0A8
CANADA
exp.com | legal disclaimer
keep it green, read from the screen

Rachel Baldwin

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Tuesday, March 16, 2021 7:29 AM
To: Rachel Baldwin
Subject: RE: Fuel Records Storage - 12210 and 12280 Heart Lake Road, Kleinberg, ON

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

NO RECORD FOUND

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

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

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

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

Kind regards,

Connie Hill | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3383 | Fax: +1-416-231-6183 | E-Mail: chill@tssa.org
www.tssa.org

From: Rachel Baldwin <Rachel.Baldwin@exp.com>
Sent: March 15, 2021 9:52 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Fuel Records Storage - 12210 and 12280 Heart Lake Road, Kleinberg, ON

Good Afternoon,

Could you please search the TSSA database for records associated with the following addresses?

- 12210, Heart Lake Road, Kleinberg, ON
- 12280, Heart Lake Road, Kleinberg, ON

Thank you in advance.

Rachel Baldwin
EXP | Geo-Environmental Scientist
t : +1.905.695.3217, 3823 | m : +1.437.214.9754 | e : rachel.baldwin@exp.com
220 Commerce Valley Drive West, Suite 110
Markham, ON L3T 0A8
CANADA

exp.com | legal disclaimer

keep it green, read from the screen

Ministry of the Environment
Freedom of Information and Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto, ON M4V 1M2
Tel: 416-314-4075
Fax: 416-314-4285

Ontario

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is 416- 314-4285.

Requester Data

Name, Title, Company Name and Mailing Address of Requester
Rachel Baldwin, Geo-Environmental Scientist
EXP Service Inc., Suite 110
220 Commerce Valley Drive West Markham, Ontario
L3T 0A8
Email Address: rachel.baldwin@exp.com

Tel: 437-214-9754
Fax: 905-695-0169

Your Project/ Reference No.
BRM-21004344-A0

Signature of Requester
RBaldwin

For Ministry Use Only

FOI Request No.

Date Request Received

Fee Paid
☐ CHQ ☐ VISA/MC/AMEX ☐ CASH/MONEY ORDER

☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR
☐ IEB ☐ EAA ☐ EMR ☐ SCB ☐ SDW

Request Parameters

Municipal Address/Lot, Concession, Geographic Township **(Municipal address mandatory for cities, towns or regions)**
12210, 12280 and 12304 Heart Lake Road, Town of Caledon, Ontario [adjacent properties]

Present Property Owner(s) and Date(s) of Ownership
Part Lot 19, Concession 2: David Livingston,Linda Livingston, Kara Livingston, Ashley Livingston since 2016
Part Lot 18, Concession 2: Lori Livingston,Lynn Crawford, Susan Livingston, Muriel Irwin since 2014

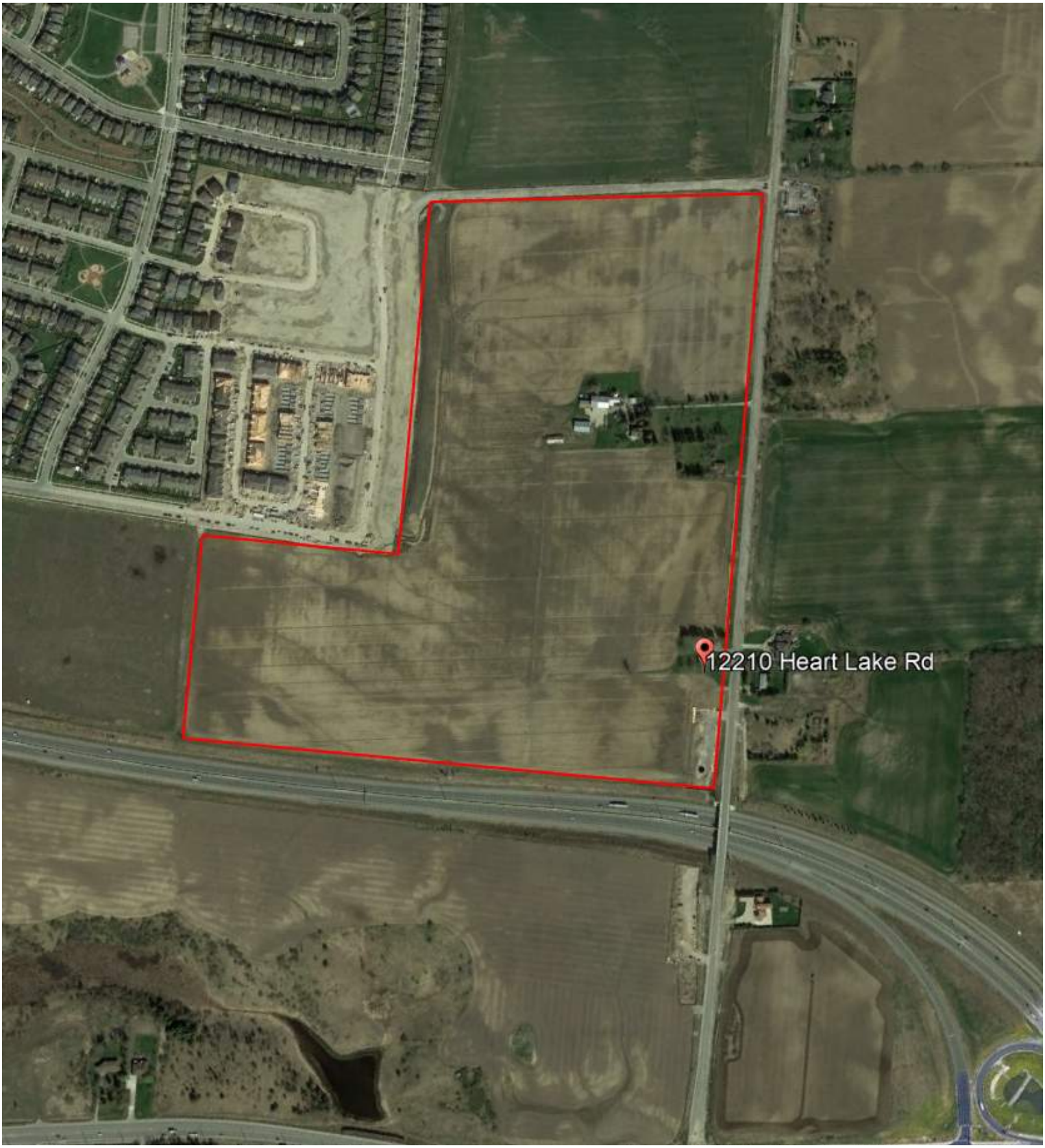
Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s) (if applicable)

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	1985 to Present
Orders	1985 to Present
Spills	1985 to Present
Investigations/prosecutions ▸ ***Owner and tenant information must be provided***	1985 to Present
Waste Generator number/classes	1985 to Present

Certificates of Approval ▸ Proponent information must be provided and Certificates of Approval number(s) (if known). 1985 and prior records are searched manually. **Search fees in excess of $300.00** may be incurred, depending on the types and years of records to be searched. **If supporting documents are also required, mark SD box**.

		SD	Specify Year(s) Requested
Air - *emissions*			1986 to Present
Renewable Energy			1986 to Present
Water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*			1986 to Present
Sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*			1986 to Present
Waste water - *industrial discharge*			1986 to Present
Waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator sites*			1986 to Present
Waste systems	*- haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction*		1986 to Present



Appendix D – ERIS Database Report

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Heart Lakes Boreholes* *12304 Heart Lake Road* *Kleinburg ON L7C 2J3*
Project No:	*Quote*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21030500032*
Requested by:	*exp Services Inc.*
Date Completed:	*March 10, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property: *Heart Lakes Boreholes*
12304 Heart Lake Road Kleinburg ON L7C 2J3

Project No: *Quote*

Order Information:

Order No: *21030500032*
Date Requested: *March 5, 2021*
Requested by: *exp Services Inc.*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	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
DTNK	Delisted Fuel Tanks	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	4	4
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	5	6
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety 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
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	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
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	1	0	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	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 Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	2	2
PINC	Pipeline Incidents	Y	0	1	1
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	2	2
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	4	18	22
	Total:		6	37	43

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 19 con 2 ON ***Well ID:*** 4901239	NNW/0.0	-3.43	20
1	WWIS		lot 19 con 2 ON ***Well ID:*** 4904112	N/0.0	-3.43	23
1	HINC		12210 HEART LAKE ROAD CALEDON ON L7C 2J2	E/0.0	-3.43	26
1	EHS		12280 Heart Lake Road Caledon ON L7C 2J2	NW/0.0	-3.43	27
1	WWIS		HEART LAKE RD. lot 18 con 2 Brampton ON ***Well ID:*** 7212525	E/0.0	-3.43	27
1	WWIS		12304 HEART LAKE RD. lot 19 con 2 CALEDON ON ***Well ID:*** 7255007	NNW/0.0	-3.43	31

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 19 con 2 ON ***Well ID:*** 4901240	E/2.1	-1.79	34
3	WWIS		NW FIELD, MAYFIELD RD & HEARTLAKE RD lot 19 con 2 CALEDON ON ***Well ID:*** 7264134	W/23.6	-2.09	36
4	WWIS		NW FIELD, MAYFIELD RD & HEARTLAKE RD. CALEDON ON ***Well ID:*** 7264136	SW/37.3	-6.02	38
5	BORE		ON	E/46.4	-3.59	40
6	WWIS		ON ***Well ID:*** 7205656	WNW/46.9	-2.05	41
7	WWIS		lot 19 con 3 ON ***Well ID:*** 4901345	ENE/51.7	-2.00	42
8	EHS		Abbotsford Road Caledon ON	SSW/54.2	-6.31	44
9	PES	GORE LANDSCAPING ENTERPRISE LIMITED	RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1	E/56.0	-2.99	44
9	GEN	GORE LANDSCAPING ENTERPRISES LTD.	12179 HEART LAKE ROAD BRAMPTON ON L6T 3S1	E/56.0	-2.99	45
9	WWIS		12179 HEARTLAKE RD lot 19 con 3 ON ***Well ID:*** 7183229	E/56.0	-2.99	45
9	PES	GORE LANDSCAPING ENTERPRISE LIMITED	RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1	E/56.0	-2.99	47
10	EHS		Part Lot 18, Con 2 EHS and Part Block 202 of Plan 43M1800 / Part 2 Plan 43R37497	SSW/60.3	-6.31	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Caledon ON L0J			
11	WWIS		lot 19 con 3 ON ***Well ID:*** 4901347	N/62.0	0.95	48
12	WWIS		lot 18 con 3 ON ***Well ID:*** 4901344	E/62.4	-4.05	51
13	WWIS		NW FIELD, MAYFIELD RD & HEART LAKE RD. CALEDON ON ***Well ID:*** 7264135	WNW/64.1	-2.05	54
14	SCT	BRAMPTON WOODCRAFT	12211 HEART LAKE RD BRAMPTON ON L6T 3S1	ENE/67.3	-1.89	56
14	SCT	BRAMPTON WOODCRAFT	12211 HEARTLAKE RD BRAMPTON ON L6T 3S1	ENE/67.3	-1.89	56
15	BORE		ON	NNW/67.4	0.95	56
16	SPL	Enbridge Gas Distribution Inc.	12405 Heart Lake Rd Caledon ON	NNW/74.5	0.95	57
16	PINC	ST LAWRENCE PLACE C/O HARBOUR PLANT RETIREMENT LODGES	12405 HEART LAKE RD,,CALEDON,ON, L7C 2K4,CA ON	NNW/74.5	0.95	58
17	SPL	The Regional Municipality of Peel	20 Aspenview Ave Caledon ON NA	WSW/101.9	-7.05	58
18	WWIS		NW FIELD MAYFIELD RD & HEART LAKE RD CALEDON ON ***Well ID:*** 7264138	W/109.6	-2.70	59
19	WWIS		lot 20 con 3 ON ***Well ID:*** 4904365	NNW/120.1	0.95	60
20	WWIS		NW FIELD, MAYFIELD RD & HEARTLAKE RD CALEDON ON	W/121.1	-4.05	63

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7264137			
21	WWIS		lot 18 con 3 ON ***Well ID:*** 4906991	E/123.2	-4.05	65
21	WWIS		lot 18 con 3 ON ***Well ID:*** 4907074	E/123.2	-4.05	68
22	EHS		Heart Lake Road Caledon ON	SE/125.2	-3.65	73
23	WWIS		lot 19 con 3 ON ***Well ID:*** 4901346	NNE/126.2	-0.58	73
24	EHS		Abbotside Way Learmont Ave Caledon ON	W/131.2	-4.05	76
25	EHS		Heart Lake Rd 410 Hwy Caledon ON	W/139.4	-4.05	77
26	ECA	South Fields Community Inc. and South Fields Community II Inc.	Caledon ON M2J 5A9	WSW/142.8	-6.10	77
26	ECA	South Fields Community Inc. and South Fields Community II Inc.	Caledon ON M2J 5A9	WSW/142.8	-6.10	77
26	ECA	South Fields Community Inc. and South Fields Community II Inc.	Caledon ON M2J 5A9	WSW/142.8	-6.10	77
26	ECA	South Fields II Community Inc.	Caledon ON M2J 5A9	WSW/142.8	-6.10	78
27	WWIS		12267 KENNEDY RD - N. OF MAYFIELD RD. CALEDON ON ***Well ID:*** 7113604	SW/144.2	-9.05	78
28	WWIS		HEART LAKE RD AT MAYFIELD RD CALEDON ON ***Well ID:*** 7044576	NNE/144.9	-1.43	80
29	WWIS		lot 18 con 2 ON	S/203.2	-8.79	82

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number

Well ID: 4909283

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	46.4	5
	ON	67.4	15

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
South Fields II Community Inc.	Caledon ON M2J 5A9	142.8	26
South Fields Community Inc. and South Fields Community II Inc.	Caledon ON M2J 5A9	142.8	26
South Fields Community Inc. and South Fields Community II Inc.	Caledon ON M2J 5A9	142.8	26
South Fields Community Inc. and South Fields Community II Inc.	Caledon ON M2J 5A9	142.8	26

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	12280 Heart Lake Road Caledon ON L7C 2J2	0.0	1
	Abbotsford Road Caledon ON	54.2	8
	Part Lot 18, Con 2 EHS and Part Block 202 of Plan 43M1800 / Part 2 Plan 43R37497 Caledon ON L0J	60.3	10
	Heart Lake Road Caledon ON	125.2	22
	Abbotside Way Learmont Ave Caledon ON	131.2	24
	Heart Lake Rd 410 Hwy Caledon ON	139.4	25

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
GORE LANDSCAPING ENTERPRISES LTD.	12179 HEART LAKE ROAD BRAMPTON ON L6T 3S1	56.0	9

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	12210 HEART LAKE ROAD CALEDON ON L7C 2J2	0.0	1

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Dec 31, 2020 has found that there are 2 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
GORE LANDSCAPING ENTERPRISE LIMITED	RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1	56.0	9
GORE LANDSCAPING ENTERPRISE LIMITED	RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1	56.0	9

PINC - Pipeline Incidents

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

Site	Address	Distance (m)	Map Key
ST LAWRENCE PLACE C/O HARBOUR PLANT RETIREMENT LODGES	12405 HEART LAKE RD,,CALEDON,ON,L7C 2K4,CA ON	74.5	16

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 2 SCT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BRAMPTON WOODCRAFT	12211 HEART LAKE RD BRAMPTON ON L6T 3S1	67.3	14
BRAMPTON WOODCRAFT	12211 HEARTLAKE RD BRAMPTON ON L6T 3S1	67.3	14

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	12405 Heart Lake Rd Caledon ON	74.5	16
The Regional Municipality of Peel	20 Aspenview Ave Caledon ON NA	101.9	17

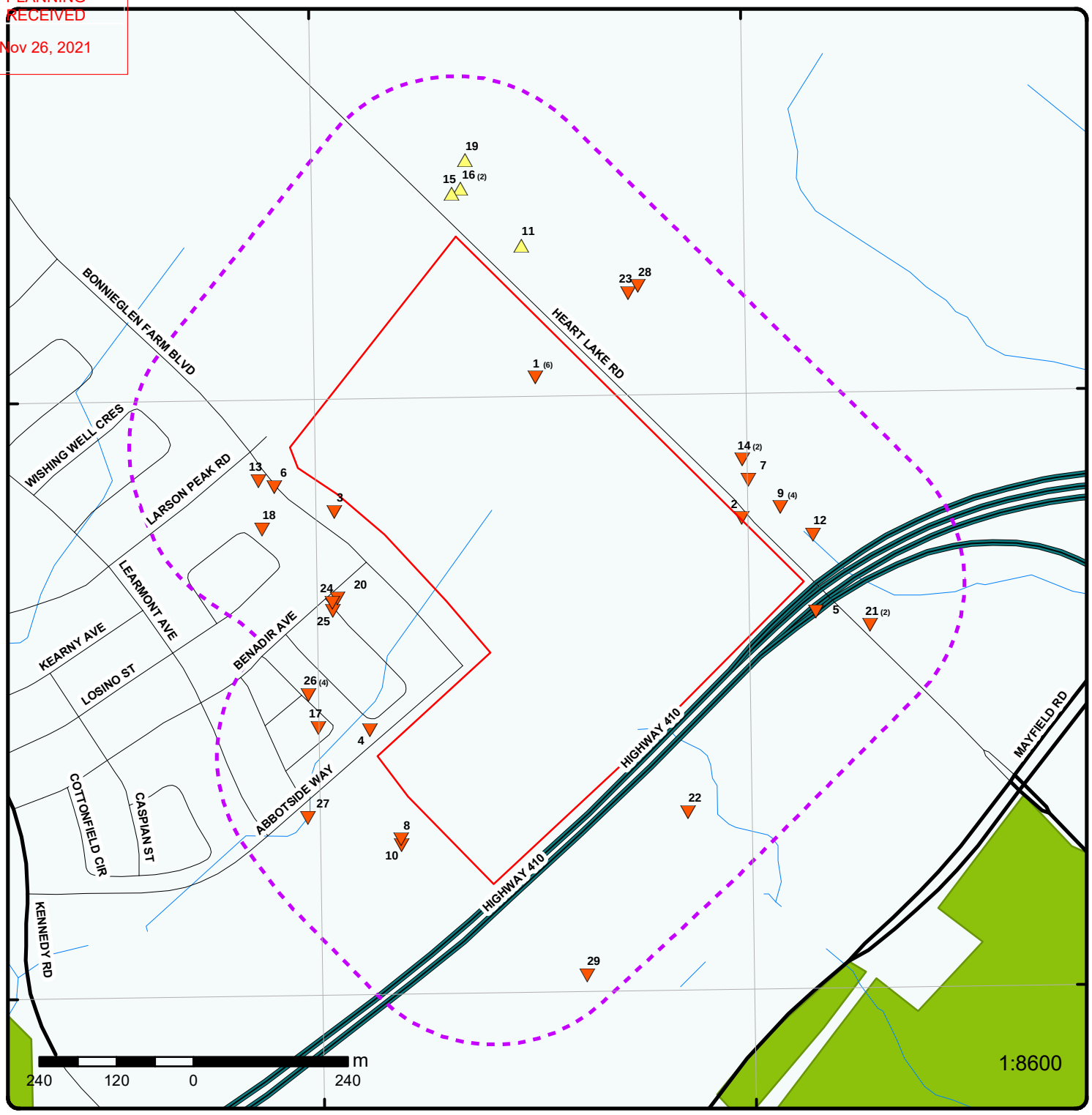
WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 22 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	12304 HEART LAKE RD. lot 19 con 2 CALEDON ON ***Well ID:*** 7255007	0.0	1
	HEART LAKE RD. lot 18 con 2 Brampton ON ***Well ID:*** 7212525	0.0	1
	lot 19 con 2 ON ***Well ID:*** 4904112	0.0	1
	lot 19 con 2 ON ***Well ID:*** 4901239	0.0	1
	lot 19 con 2 ON ***Well ID:*** 4901240	2.1	2
	NW FIELD, MAYFIELD RD & HEARTLAKE RD lot 19 con 2 CALEDON ON ***Well ID:*** 7264134	23.6	3
	NW FIELD, MAYFIELD RD & HEARTLAKE RD. CALEDON ON ***Well ID:*** 7264136	37.3	4
	ON	46.9	6

Site	Address	Distance (m)	Map Key
	Well ID: 7205656		
	lot 19 con 3 ON ***Well ID:*** 4901345	51.7	7
	12179 HEARTLAKE RD lot 19 con 3 ON ***Well ID:*** 7183229	56.0	9
	lot 19 con 3 ON ***Well ID:*** 4901347	62.0	11
	lot 18 con 3 ON ***Well ID:*** 4901344	62.4	12
	NW FIELD, MAYFIELD RD & HEART LAKE RD. CALEDON ON ***Well ID:*** 7264135	64.1	13
	NW FIELD MAYFIELD RD & HEART LAKE RD CALEDON ON ***Well ID:*** 7264138	109.6	18
	lot 20 con 3 ON ***Well ID:*** 4904365	120.1	19
	NW FIELD, MAYFIELD RD & HEARTLAKE RD CALEDON ON ***Well ID:*** 7264137	121.1	20
	lot 18 con 3 ON ***Well ID:*** 4906991	123.2	21
	lot 18 con 3 ON ***Well ID:*** 4907074	123.2	21
	lot 19 con 3 ON ***Well ID:*** 4901346	126.2	23

Site	Address	Distance (m)	Map Key
	12267 KENNEDY RD - N. OF MAYFIELD RD. CALEDON ON ***Well ID:*** 7113604	144.2	27
	HEART LAKE RD AT MAYFIELD RD CALEDON ON ***Well ID:*** 7044576	144.9	28
	lot 18 con 2 ON ***Well ID:*** 4909283	203.2	29



Map: 0.25 Kilometer Radius

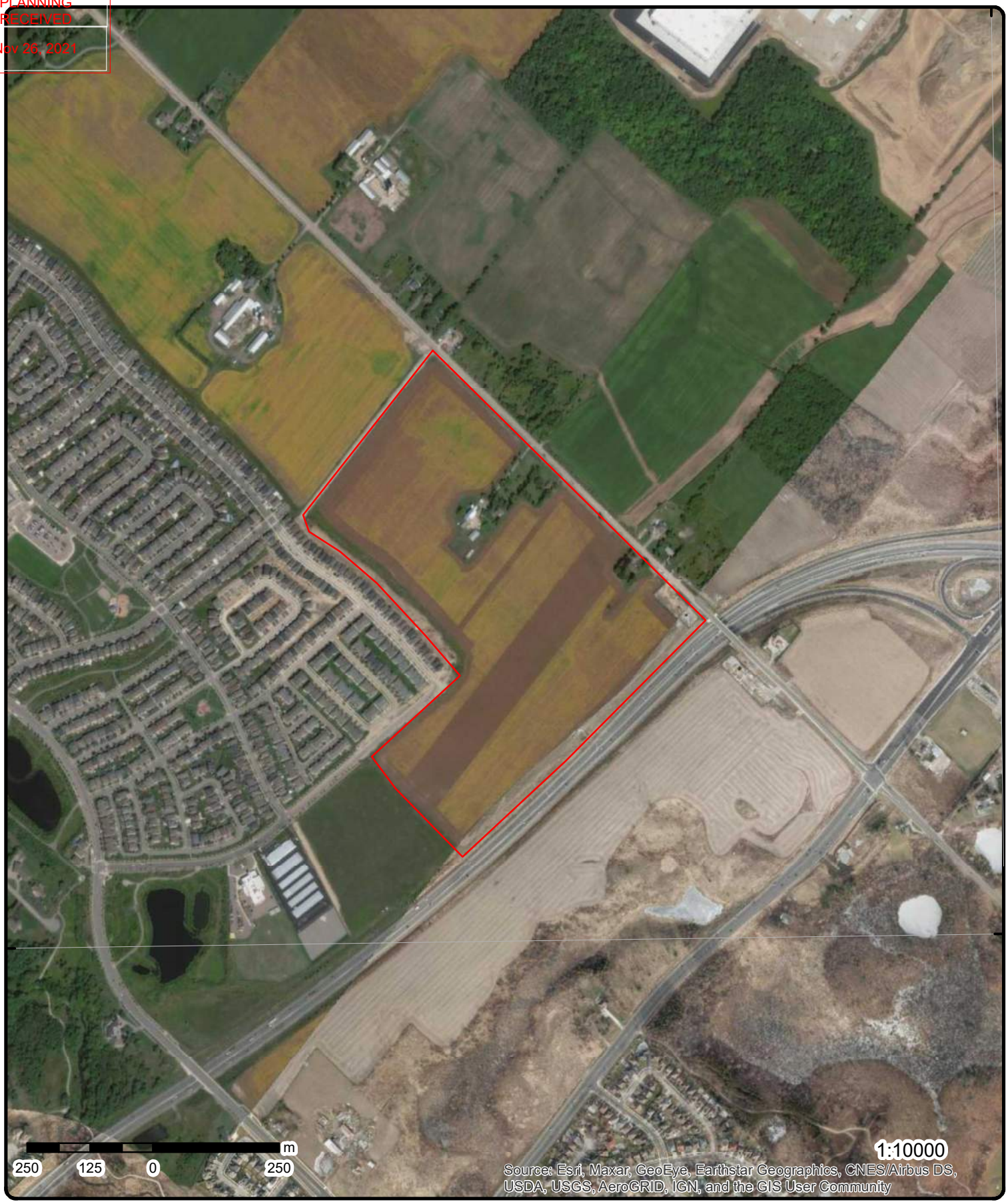
Order Number: 21030500032

Address: 12304 Heart Lake Road, Kleinburg, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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		

79°48'W



Aerial

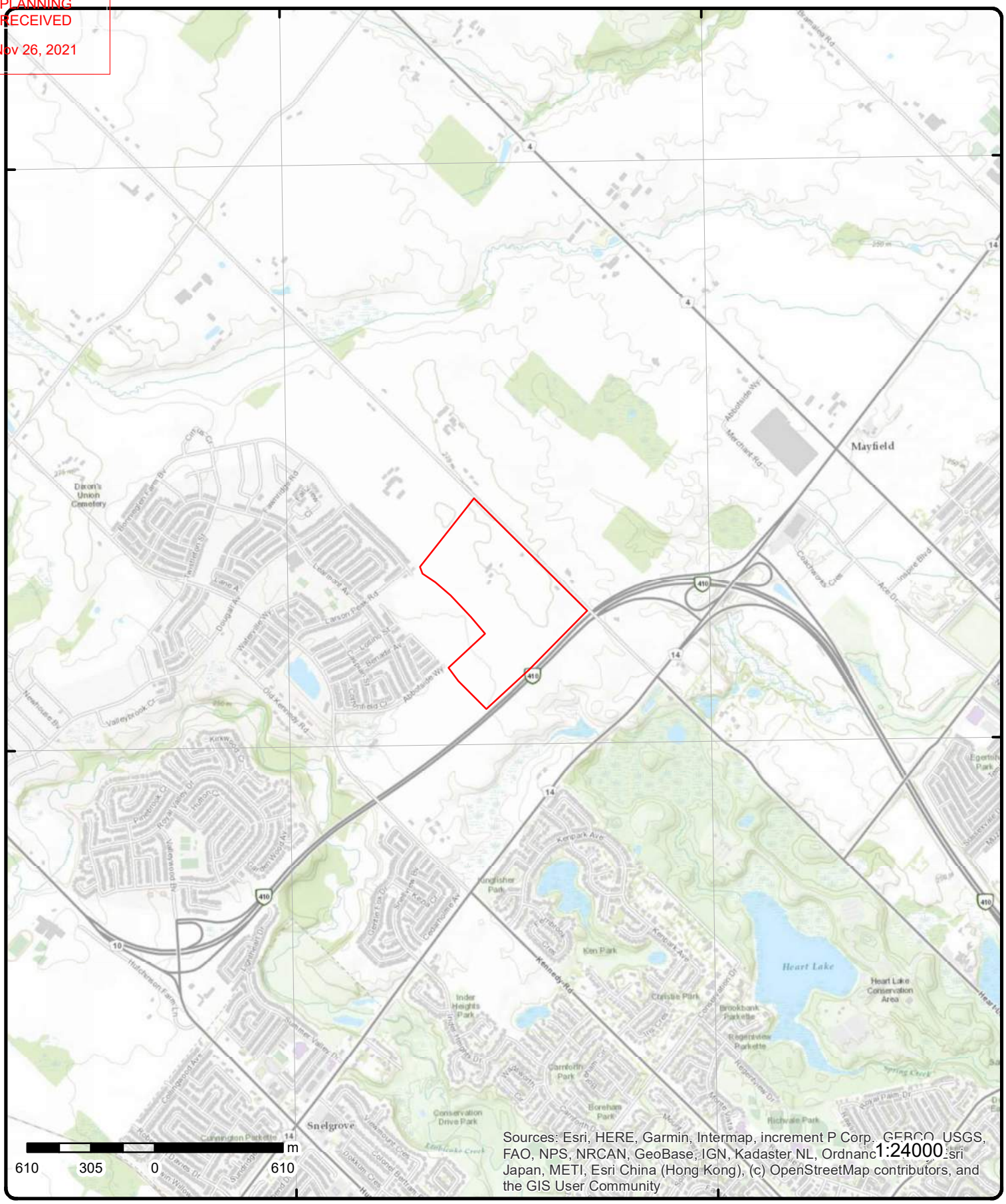
Year: 2019

Order Number: 21030500032

Address: 12304 Heart Lake Road, Kleinburg, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 12304 Heart Lake Road, ON

Source: ESRI World Topographic Map

Order Number: 21030500032

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 6	NNW/0.0	270.5 / -3.43	lot 19 con 2 ON	WWIS

Well ID: 4901239
Construction Date:
Primary Water Use: Livestock
Sec. Water Use: Domestic
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/24/1965
Selected Flag: Yes
Abandonment Rec:
Contractor: 4813
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 019
Concession: 02
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901239.pdf

Bore Hole Information

Bore Hole ID: 10316085
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 7/24/1965
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 273.107666
Elevrc:
Zone: 17
East83: 595557.5
North83: 4845671
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 932033428
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033429
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 40
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033430
Layer: 4
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033431
Layer: 5
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 125
Formation End Depth: 128
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932033427
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901239
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10864655
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522599
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	124
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359107
Layer:	1
Slot:	040
Screen Top Depth:	124
Screen End Depth:	128
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.625

Results of Well Yield Testing

Pump Test ID:	994901239
Pump Set At:	
Static Level:	80
Final Level After Pumping:	118
Recommended Pump Depth:	120
Pumping Rate:	8
Flowing Rate:	

Recommended Pump Rate:	7
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	5
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933789203
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft

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1 | ***2 of 6*** | ***N/0.0*** | ***270.5 / -3.43*** | ***lot 19 con 2 ON*** | ***WWIS***

Well ID:	4904112	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/7/1973
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3316
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	019
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4904112.pdf

Bore Hole Information

Bore Hole ID:	10318900	***Elevation:***	273.368194
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	595597.5
Code OB Desc:	Overburden	***North83:***	4845747
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	7/16/1973	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932044330
Layer: 4
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 166
Formation End Depth: 176
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044329
Layer: 3
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 80
Formation End Depth: 166
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044327
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044328
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28

Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	48
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964904112
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10867470
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930526612
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	167
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930526613
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	176
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359481
Layer:	1
Slot:	008
Screen Top Depth:	168
Screen End Depth:	176
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	4

Results of Well Yield Testing

Pump Test ID:	994904112

Pump Set At:	
Static Level:	88
Final Level After Pumping:	98
Recommended Pump Depth:	145
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	12
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935042833
Test Type:	Draw Down
Test Duration:	60
Test Level:	98
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934786673
Test Type:	Draw Down
Test Duration:	45
Test Level:	98
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934532539
Test Type:	Draw Down
Test Duration:	30
Test Level:	98
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934258007
Test Type:	Draw Down
Test Duration:	15
Test Level:	98
Test Level UOM:	ft

Water Details

Water ID:	933792143
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	166
Water Found Depth UOM:	ft

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1 | ***3 of 6*** | ***E/0.0*** | ***270.5 / -3.43*** | ***12210 HEART LAKE ROAD CALEDON ON L7C 2J2*** | ***HINC***

External File Num:	FS INC 0711-06935

Fuel Occurrence Type:	Vapour Release
Date of Occurrence:	11/18/2007
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - No Action Required
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Peel
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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1 | ***4 of 6*** | ***NW/0.0*** | ***270.5 / -3.43*** | ***12280 Heart Lake Road Caledon ON L7C 2J2*** | ***EHS***

Order No:	20120720018	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	25-JUL-12	***Search Radius (km):***	.25
Date Received:	20-JUL-12	***X:***	-79.814253
Previous Site Name:		***Y:***	43.757579
Lot/Building Size:	99.8 ac		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

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1 | ***5 of 6*** | ***E/0.0*** | ***270.5 / -3.43*** | ***HEART LAKE RD. lot 18 con 2 Brampton ON*** | ***WWIS***

Well ID:	7212525	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	12/10/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7201
Casing Material:		***Form Version:***	7
Audit No:	Z174522	***Owner:***	
Tag:	A145470	***Street Name:***	HEART LAKE RD.
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004663361	**Elevation:**	269.553741
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595977
Code OB Desc:		**North83:**	4845443
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/26/2013	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005017504
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	140
Formation End Depth:	172
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005017501
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	36.5
Formation End Depth:	75
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005017500
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	11

Mat3 Desc: GRAVEL
Formation Top Depth: 25
Formation End Depth: 36.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017502
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017503
Layer: 5
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 110
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017499
Layer: 1
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017517
Layer: 5
Plug From: 149

Plug To: 165
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017513
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017516
Layer: 4
Plug From: 145
Plug To: 149
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017515
Layer: 3
Plug From: 20
Plug To: 145
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017514
Layer: 2
Plug From: 2
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005017512
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction: BORING

Pipe Information

Pipe ID: 1005017498
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005017508
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:	2
Depth To:	-4
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1005017509
Layer:	2
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	-4
Depth To:	155
Casing Diameter:	1.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005017510
Layer:	1
Slot:	.01
Screen Top Depth:	155
Screen End Depth:	165
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.25

Water Details

Water ID:	1005017507
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005017505
Diameter:	10
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1005017506
Diameter:	4.25
Depth From:	20
Depth To:	165
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

1 | ***6 of 6*** | ***NNW/0.0*** | ***270.5 / -3.43*** | ***12304 HEART LAKE RD. lot 19 con 2 CALEDON ON*** | ***WWIS***

Well ID: 7255007 ***Data Entry Status:***

Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	12/29/2015
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7147
Casing Material:		***Form Version:***	7
Audit No:	Z218338	***Owner:***	
Tag:		***Street Name:***	12304 HEART LAKE RD.
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	019
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005846795	***Elevation:***	272.679046
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	595532
Code OB Desc:		***North83:***	4845655
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/26/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1005958121
Layer:	3
Plug From:	
Plug To:	32
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005958119
Layer:	1
Plug From:	0
Plug To:	2.2
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005958120
Layer:	2
Plug From:	2.2
Plug To:	32.2
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005958118
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1005958112
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005958116
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	32
Casing Diameter:	15
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005958117
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1005958115
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	7.9
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005958114
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m

Hole Diameter UOM: cm

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2 | **1 of 1** | **E/2.1** | **272.1 / -1.79** | **lot 19 con 2 ON** | **WWIS**

Well ID:	4901240	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/25/1966
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4813
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	019
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901240.pdf

Bore Hole Information

Bore Hole ID:	10316086	**Elevation:**	271.046966
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	595918.5
Code OB Desc:	Overburden	**North83:**	4845528
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/7/1966	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033434
Layer:	3
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37
Formation End Depth:	163
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033432
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033435
Layer:	4
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	163
Formation End Depth:	177
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033433
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	37
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901240
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10864656

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522600
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 173
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359108
Layer: 1
Slot: 020
Screen Top Depth: 173
Screen End Depth: 177
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 994901240
Pump Set At:
Static Level: 77
Final Level After Pumping: 109
Recommended Pump Depth: 110
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933789204
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 163
Water Found Depth UOM: ft

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3 | ***1 of 1*** | ***W/23.6*** | ***271.8 / -2.09*** | ***NW FIELD, MAYFIELD RD & HEARTLAKE RD lot 19 con 2 CALEDON ON*** | ***WWIS***

Well ID: 7264134
Construction Date:
Data Entry Status:
Data Src:

Primary Water Use:		***Date Received:***	6/2/2016
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7148
Casing Material:		***Form Version:***	7
Audit No:	Z218594	***Owner:***	
Tag:		***Street Name:***	NW FIELD, MAYFIELD RD & HEARTLAKE RD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	019
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006034911	***Elevation:***	269.604187
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	595285
Code OB Desc:		***North83:***	4845538
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/4/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006084261
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006084260
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006084254
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 1006084258
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006084259
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1006084257
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006084256
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

4 | ***1 of 1*** | ***SW/37.3*** | ***267.9 / -6.02*** | ***NW FIELD, MAYFIELD RD & HEARTLAKE RD. CALEDON ON*** | ***WWIS***

Well ID: 7264136
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z218595
Tag:

Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src:
Date Received: 6/2/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7148
Form Version: 7
Owner:
Street Name: NW FIELD, MAYFIELD RD & HEARTLAKE RD.
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot:
Concession:
Concession Name:

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006035740	***Elevation:***	266.320281
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	595340
Code OB Desc:		***North83:***	4845198
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/4/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006084277
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006084276
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006084270
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006084274
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006084275
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1006084273
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006084272
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

5 ***1 of 1*** ***E/46.4*** ***270.3 / -3.59*** ***ON*** ***BORE***

Borehole ID:	590665	***Inclin FLG:***	No
OGF ID:	215501260	***SP Status:***	Initial Entry
Status:	Unknown	***Surv Elev:***	No
Type:	Outcrop	***Piezometer:***	No
Use:		***Primary Name:***	OGS-OLW-62-1415
Completion Date:		***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	43.755268
Total Depth m:	1.6	***Longitude DD:***	-79.807078
Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	596034
Drill Method:		***Northing:***	4845383
Orig Ground Elev m:	270	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	269		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218339252	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.6	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	

Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Di si sa **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Ontario Geological Survey	**Source Iden:**	6
Source Date:	Varies to 2004	**Scale or Res:**	1:50,000
Confidence:	H	**Horizontal:**	NAD83
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Details:	YPDT Master Database A: 672282363		
Confiden 1:	Location taken from OGS 1:50,000 maps by CAMC staff or consultants.		

Source List

Source Identifier:	6	**Horizontal Datum:**	NAD83
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	Varies to 2004	**Projection Name:**	Universal Transvers Mercator
Scale or Resolution:	1:50,000		
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Originators:	Ontario Geological Survey		

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6 ***1 of 1*** ***WNW/46.9*** ***271.9 / -2.05*** ***ON*** ***WWIS***

Well ID:	7205656	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	7/31/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7230
Casing Material:		**Form Version:**	8
Audit No:	C20274	**Owner:**	
Tag:	A151432	**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7205656.pdf

Bore Hole Information

Bore Hole ID:	1004479340	**Elevation:**	269.673309
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595192
Code OB Desc:		**North83:**	4845576
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/2/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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7 | ***1 of 1*** | ***ENE/51.7*** | ***271.9 / -2.00*** | ***lot 19 con 3 ON*** | ***WWIS***

Well ID:	4901345	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/9/1959
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1325
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	019
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901345.pdf

Bore Hole Information

Bore Hole ID:	10316191	***Elevation:***	270.37561
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	595928.5
Code OB Desc:	Overburden	***North83:***	4845588
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	5/28/1959	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033890
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:	
Formation Top Depth:	25
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033889
Layer:	1
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033891
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	55
Formation End Depth:	65
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901345
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10864761
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522718
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	65

Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994901345
Pump Set At:	
Static Level:	55
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933789284
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

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8 | ***1 of 1*** | ***SSW/54.2*** | ***267.6 / -6.31*** | ***Abbotsford Road Caledon ON*** | ***EHS***

Order No:	20170424029	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	28-APR-17	***Search Radius (km):***	.25
Date Received:	24-APR-17	***X:***	-79.815152
Previous Site Name:		***Y:***	43.752161
Lot/Building Size:			
Additional Info Ordered:	City Directory; Aerial Photos		

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9 | ***1 of 4*** | ***E/56.0*** | ***270.9 / -2.99*** | ***GORE LANDSCAPING ENTERPRISE LIMITED RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1*** | ***PES***

Detail Licence No:	02-01-00185-0	***Operator Box:***	
Licence No:	00185	***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:	Legacy Licenses (Excluding TS)	***Oper Area Code:***	905
Licence Type:	Operator	***Oper Phone No:***	8431149
Licence Type Code:	02	***Operator Ext:***	
Licence Class:	01	***Operator Lot:***	
Licence Control:	0	***Oper Concession:***	
Latitude:		***Operator Region:***	3
Longitude:		***Operator District:***	
Lot:		***Operator County:***	49
Concession:		***Op Municipality:***	
Region:	3	***Post Office Box:***	

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

District:
County: 49
Trade Name:
PDF Link:

MOE District:
SWP Area Name:

---

9 ***2 of 4*** ***E/56.0*** ***270.9 / -2.99*** ***GORE LANDSCAPING ENTERPRISES LTD.*** ***GEN***
12179 HEART LAKE ROAD
BRAMPTON ON L6T 3S1

Generator No: ON1918100
Status:
Approval Years: 94,95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 0163
SIC Description: NURSERY PRODUCTS

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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9 ***3 of 4*** ***E/56.0*** ***270.9 / -2.99*** ***12179 HEARTLAKE RD lot 19 con 3*** ***WWIS***
ON

Well ID: 7183229
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z149233
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 6/29/2012
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 2576
Form Version: 7
Owner:
Street Name: 12179 HEARTLAKE RD
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 019
Concession: 03
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7183229.pdf

Bore Hole Information

Bore Hole ID: 1003950600
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 4/9/2012
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 269.953796
Elevrc:
Zone: 17
East83: 595978
North83: 4845545
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1004392686
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth:
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004392694
Layer: 2
Plug From: 8
Plug To: 170
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004392695
Layer: 3
Plug From: 170
Plug To: 180
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004392693
Layer: 1
Plug From: -5
Plug To: 8
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004392692
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004392685
Casing No: 0
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1004392689
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004392690
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1004392688
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004392687
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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9 | **4 of 4** | **E/56.0** | **270.9 / -2.99** | **GORE LANDSCAPING ENTERPRISE LIMITED**
RR 4, 12179 HEARTLAKE RD
BRAMPTON ON L6T3S1 | **PES**

Detail Licence No:
Licence No: 00185
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Operator
Licence Type Code: 01
Licence Class: 06
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 905
Oper Phone No: 8431149
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:

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

District: ***MOE District:***
County: ***SWP Area Name:***
Trade Name:
PDF Link:

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10 ***1 of 1*** ***SSW/60.3*** ***267.6 / -6.31*** ***Part Lot 18, Con 2 EHS and Part Block 202 of Plan 43M1800 / Part 2 Plan 43R37497 Caledon ON L0J*** ***EHS***

Order No: 20282400037 ***Nearest Intersection:***
Status: C ***Municipality:***
Report Type: Custom Report ***Client Prov/State:*** ON
Report Date: 27-AUG-20 ***Search Radius (km):*** .25
Date Received: 24-AUG-20 ***X:*** -79.81514762
Previous Site Name: ***Y:*** 43.75207853
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Aerial Photos

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11 ***1 of 1*** ***N/62.0*** ***274.9 / 0.95*** ***lot 19 con 3 ON*** ***WWIS***

Well ID: 4901347 ***Data Entry Status:***
Construction Date: ***Data Src:*** 1
Primary Water Use: Domestic ***Date Received:*** 5/18/1965
Sec. Water Use: 0 ***Selected Flag:*** Yes
Final Well Status: Water Supply ***Abandonment Rec:***
Water Type: ***Contractor:*** 4813
Casing Material: ***Form Version:*** 1
Audit No: ***Owner:***
Tag: ***Street Name:***
Construction Method: ***County:*** PEEL
Elevation (m): ***Municipality:*** CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability: ***Site Info:***
Depth to Bedrock: ***Lot:*** 019
Well Depth: ***Concession:*** 03
Overburden/Bedrock: ***Concession Name:*** HS E
Pump Rate: ***Easting NAD83:***
Static Water Level: ***Northing NAD83:***
Flowing (Y/N): ***Zone:***
Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901347.pdf

Bore Hole Information

Bore Hole ID: 10316193 ***Elevation:*** 274.485351
DP2BR: ***Elevrc:***
Spatial Status: ***Zone:*** 17
Code OB: o ***East83:*** 595575.5
Code OB Desc: Overburden ***North83:*** 4845952
Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 5
Date Completed: 3/27/1965 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932033899
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	63
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033901
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	152
Formation End Depth:	168
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033903
Layer:	6
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	175
Formation End Depth:	180
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033902
Layer:	5
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05

Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	168
Formation End Depth:	175
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033898
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033900
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63
Formation End Depth:	152
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901347
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10864763
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522720
Layer:	1
Material:	1
Open Hole or Material:	STEEL

Depth From:
Depth To: 176
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359129
Layer: 1
Slot: 050
Screen Top Depth: 176
Screen End Depth: 180
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.625

Results of Well Yield Testing

Pump Test ID: 994901347
Pump Set At:
Static Level: 80
Final Level After Pumping: 110
Recommended Pump Depth: 110
Pumping Rate: 9
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 6
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933789286
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 168
Water Found Depth UOM: ft

---

12 | ***1 of 1*** | ***E/62.4*** | ***269.9 / -4.05*** | ***lot 18 con 3 ON*** | ***WWIS***

Well ID: 4901344
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 12/22/1964
Selected Flag: Yes
Abandonment Rec:
Contractor: 4813
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 018

Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901344.pdf

Bore Hole Information

Bore Hole ID:	10316190	***Elevation:***	268.941314
DP2BR:	145	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	h	***East83:***	596029.5
Code OB Desc:	Mixed in a Layer	***North83:***	4845503
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/17/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033887
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	145
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033888
Layer:	3
Color:	
General Color:	
Mat1:	06
Most Common Material:	SILT
Mat2:	15
Mat2 Desc:	LIMESTONE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	145
Formation End Depth:	164
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033886
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901344
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10864760
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522717
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	160
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359127
Layer:	1
Slot:	
Screen Top Depth:	160
Screen End Depth:	164
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	4

Results of Well Yield Testing

Pump Test ID:	994901344
Pump Set At:	
Static Level:	110
Final Level After Pumping:	155

Recommended Pump Depth:	155
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933789283
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	145
Water Found Depth UOM:	ft

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13 | ***1 of 1*** | ***WNW/64.1*** | ***271.9 / -2.05*** | ***NW FIELD, MAYFIELD RD & HEART LAKE RD. CALEDON ON*** | ***WWIS***

Well ID:	7264135	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	6/2/2016
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7148
Casing Material:		***Form Version:***	7
Audit No:	Z218593	***Owner:***	
Tag:		***Street Name:***	NW FIELD, MAYFIELD RD & HEART LAKE RD.
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006035731	***Elevation:***	269.767272
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	595167
Code OB Desc:		***North83:***	4845586
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/4/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1006084269
Layer: 1
Plug From: 0
Plug To: 6
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006084268
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006084262
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006084266
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006084267
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1006084265
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006084264
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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14 ***1 of 2*** ***ENE/67.3*** ***272.0 / -1.89*** ***BRAMPTON WOODCRAFT*** ***SCT***
12211 HEART LAKE RD
BRAMPTON ON L6T 3S1

Established: 1993
Plant Size (ft²): 0
Employment: 1

--Details--
Description: HARDWOOD DIMENSION AND FLOORING MILLS
SIC/NAICS Code: 2426

Description: WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLSTERED
SIC/NAICS Code: 2511

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14 ***2 of 2*** ***ENE/67.3*** ***272.0 / -1.89*** ***BRAMPTON WOODCRAFT*** ***SCT***
12211 HEARTLAKE RD
BRAMPTON ON L6T 3S1

Established: 1993
Plant Size (ft²): 0
Employment: 1

--Details--
Description: HARDWOOD DIMENSION & FLOORING MILLS
SIC/NAICS Code: 2426

Description: WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLSTERED
SIC/NAICS Code: 2511

---

15 ***1 of 1*** ***NNW/67.4*** ***274.9 / 0.95*** ***BORE***
ON

Borehole ID:	589671	***Inclin FLG:***	No
OGF ID:	215500266	***SP Status:***	Initial Entry
Status:	Unknown	***Surv Elev:***	No
Type:	Outcrop	***Piezometer:***	No
Use:		***Primary Name:***	OGS-OLW-62-1416
Completion Date:		***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	43.761192
Total Depth m:	1.7	***Longitude DD:***	-79.814004
Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	595467
Drill Method:		***Northing:***	4846033
Orig Ground Elev m:	275	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	274		
Concession:			

Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	218339253	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: Di si sa **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Ontario Geological Survey	***Source Iden:***	6
Source Date:	Varies to 2004	***Scale or Res:***	1:50,000
Confidence:	H	***Horizontal:***	NAD83
Observatio:		***Verticalda:***	Mean Average Sea Level

Source Name: Ontario Geological Survey Fieldwork Mapping
Source Details: YPDT Master Database A: -2141639648
Confiden 1: Location taken from OGS 1:50,000 maps by CAMC staff or consultants.

Source List

Source Identifier:	6	***Horizontal Datum:***	NAD83
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	Varies to 2004	***Projection Name:***	Universal Transvers Mercator
Scale or Resolution:	1:50,000		

Source Name: Ontario Geological Survey Fieldwork Mapping
Source Originators: Ontario Geological Survey

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16 | ***1 of 2*** | ***NNW/74.5*** | ***274.9 / 0.95*** | ***Enbridge Gas Distribution Inc.*** ***12405 Heart Lake Rd*** ***Caledon ON*** | ***SPL***

Ref No:	1364-AMVUET	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/31/2017	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Other
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Address:***	12405 Heart Lake Rd
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:	any	***Site Postal Code:***	
Contaminant UN No 1:	1075	***Site Region:***	Central
Environment Impact:		***Site Municipality:***	Caledon
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Air	***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/31/2017	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Operator/Human Error	***Source Type:***	Pipeline/Components

Site Name: Work site<UNOFFICIAL>

Site County/District: Regional Municipality of Peel
Site Geo Ref Meth:
Incident Summary: TSSA FSB 4" Plstc IP line damage Made Safe
Contaminant Qty: 1 other - see incident description

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16 **2 of 2** **NNW/74.5** **274.9 / 0.95** **ST LAWRENCE PLACE C/O HARBOUR PLANT RETIREMENT LODGES**
12405 HEART LAKE RD,,CALEDON,ON,L7C 2K4, CA
ON **PINC**

Incident ID:
Incident No: 2088736
Incident Reported Dt: 6/1/2017
Type: FS-Pipeline Incident
Status Code:
Customer Acct Name: ST LAWRENCE PLACE C/O HARBOUR PLANT RETIREMENT LODGES
Incident Address: 12405 HEART LAKE RD,,CALEDON,ON,L7C 2K4,CA
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interupt:
Enforce Policy:
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

---

17 **1 of 1** **WSW/101.9** **266.9 / -7.05** **The Regional Municipality of Peel**
20 Aspenview Ave
Caledon ON NA **SPL**

Ref No: 3301-AFP2SY
Site No: 6651-AGGM9J
Incident Dt: 2016/11/13
Year:
Incident Cause:
Incident Event: Unknown / N/A
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/11/13
Dt Document Closed: 2016/12/14
Incident Reason: Unknown / N/A
Site Name: Residence

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: 20 Aspenview Ave
Site District Office:
Site Postal Code: NA
Site Region:
Site Municipality: Caledon
Site Lot:
Site Conc:
Northing: NA
Easting: NA
Site Geo Ref Accu: NA
Site Map Datum: NA
SAC Action Class: Land Spills
Source Type:

Site County/District:
Site Geo Ref Meth: NA
Incident Summary: Region of Peel: Small qty of gasoline to catch basin, contained
Contaminant Qty: 0 other - see incident description

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18 | 1 of 1 | W/109.6 | 271.2 / -2.70 | NW FIELD MAYFIELD RD & HEART LAKE RD CALEDON ON | WWIS

Well ID: 7264138
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z218597
Tag: A151432
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 6/2/2016
Selected Flag: Yes
Abandonment Rec:
Contractor: 7148
Form Version: 7
Owner:
Street Name: NW FIELD MAYFIELD RD & HEART LAKE RD
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006035815
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/4/2016
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 269.119995
Elevrc:
Zone: 17
East83: 595173
North83: 4845511
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1006084293
Layer: 1
Plug From: 0
Plug To: 6
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006084292
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006084286
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006084290
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006084291
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1006084289
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006084288
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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19 | ***1 of 1*** | ***NNW/120.1*** | ***274.9 / 0.95*** | ***lot 20 con 3 ON*** | ***WWIS***

Well ID: 4904365
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Data Entry Status:
Data Src: 1
Date Received: 7/15/1974
Selected Flag: Yes

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3316
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4904365.pdf

Bore Hole Information

Bore Hole ID:	10319150	***Elevation:***	275.241302
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	595488.5
Code OB Desc:	Overburden	***North83:***	4846085
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/14/1974	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932045449
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932045448
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY

Mat2:	06
Mat2 Desc:	SILT
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	0
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964904365
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10867720
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930526943
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	180
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930526944
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	190
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359536
Layer:	1
Slot:	008
Screen Top Depth:	82
Screen End Depth:	90
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	4

Results of Well Yield Testing

Pump Test ID:	994904365
Pump Set At:	
Static Level:	44
Final Level After Pumping:	70
Recommended Pump Depth:	80
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935043455
Test Type:	Draw Down
Test Duration:	60
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934258621
Test Type:	Draw Down
Test Duration:	15
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934787283
Test Type:	Draw Down
Test Duration:	45
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934533154
Test Type:	Draw Down
Test Duration:	30
Test Level:	70
Test Level UOM:	ft

Water Details

Water ID:	933792398
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	W/121.1	269.9 / -4.05	NW FIELD, MAYFIELD RD & HEARTLAKE RD CALEDON ON	WWIS

Well ID:	7264137	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	6/2/2016
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7148
Casing Material:		***Form Version:***	7
Audit No:	Z218596	***Owner:***	
Tag:		***Street Name:***	NW FIELD, MAYFIELD RD & HEARTLAKE RD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006035802	***Elevation:***	268.566314
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	595290
Code OB Desc:		***North83:***	4845403
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/4/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006084285
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006084284
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006084278
Casing No:	0

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006084282
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006084283
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1006084281
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006084280
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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21 | ***1 of 2*** | ***E/123.2*** | ***269.9 / -4.05*** | ***lot 18 con 3 ON*** | ***WWIS***

Well ID:	4906991	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/28/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4919
Casing Material:		***Form Version:***	1
Audit No:	35163	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	03

Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4906991.pdf

Bore Hole Information

Bore Hole ID:	10321552	***Elevation:***	268.534484
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	596118
Code OB Desc:	Overburden	***North83:***	4845362
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	2
Date Completed:	11/10/1988	***UTMRC Desc:***	margin of error : 3 - 10 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932056191
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056190
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID: 932056189
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056188
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964906991
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10870122
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930530576
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To:
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	994906991
Pump Set At:	
Static Level:	60
Final Level After Pumping:	80
Recommended Pump Depth:	80
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934530457
Test Type:	Recovery
Test Duration:	30
Test Level:	78
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934784538
Test Type:	Recovery
Test Duration:	45
Test Level:	76
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935050032
Test Type:	Recovery
Test Duration:	60
Test Level:	75
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934255900
Test Type:	Recovery
Test Duration:	15
Test Level:	79
Test Level UOM:	ft

Water Details

Water ID:	933795034
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	60
Water Found Depth UOM:	ft

21	*2 of 2*	*E/123.2*	*269.9 / -4.05*	*lot 18 con 3 ON*	*WWIS*

Well ID:	4907074	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/13/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4005
Casing Material:		***Form Version:***	1
Audit No:	42474	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4907074.pdf

Bore Hole Information

Bore Hole ID:	10321635	***Elevation:***	268.534484
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	596118
Code OB Desc:	Overburden	***North83:***	4845362
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	2
Date Completed:	3/1/1989	***UTMRC Desc:***	margin of error : 3 - 10 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932056627
Layer:	7
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	181
Formation End Depth:	199
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056626
Layer:	6

Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	29
Mat2 Desc:	FINE GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	180
Formation End Depth:	181
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056621
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056622
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	10
Formation End Depth:	42
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056628
Layer:	8
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	08
Mat2 Desc:	FINE SAND
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	199
Formation End Depth:	200
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056625
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	135
Formation End Depth:	180
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056623
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056624
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	80
Formation End Depth:	135
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964907074
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10870205

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930530699
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 200
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994907074
Pump Set At:
Static Level: 65
Final Level After Pumping: 160
Recommended Pump Depth: 180
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 8
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934784582
Test Type: Draw Down
Test Duration: 45
Test Level: 160
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934255953
Test Type: Draw Down
Test Duration: 15
Test Level: 160
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935050076
Test Type: Draw Down
Test Duration: 60
Test Level: 160
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934530504
Test Type:	Draw Down
Test Duration:	30
Test Level:	160
Test Level UOM:	ft

Water Details

Water ID:	933795120
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	200
Water Found Depth UOM:	ft

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22 | ***1 of 1*** | ***SE/125.2*** | ***270.3 / -3.65*** | ***Heart Lake Road Caledon ON*** | ***EHS***

Order No:	20080723007	**Nearest Intersection:**	Heart Lake Road and Mayfield Road
Status:	C	**Municipality:**	Caledon
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	7/24/2008	**Search Radius (km):**	0.25
Date Received:	7/23/2008	**X:**	-79.809605
Previous Site Name:		**Y:**	43.752484
Lot/Building Size:	approx. 100 acres		
Additional Info Ordered:	Fire Insur. Maps And /or Site Plans; City Directory; Topographical Maps		

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23 | ***1 of 1*** | ***NNE/126.2*** | ***273.3 / -0.58*** | ***lot 19 con 3 ON*** | ***WWIS***

Well ID:	4901346	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	1/17/1963
Sec. Water Use:	Domestic	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4813
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	019
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901346.pdf

Bore Hole Information

Bore Hole ID:	10316192	**Elevation:**	272.711212
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	595741.5
Code OB Desc:	Overburden	**North83:**	4845878
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5

Date Completed: 12/7/1962
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 100 m - 100 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 932033892
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033894
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 62
Formation End Depth: 64
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033897
Layer: 6
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 172
Formation End Depth: 180
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932033895
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	64
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033893
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	62
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033896
Layer:	5
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90
Formation End Depth:	172
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901346
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10864762
Casing No:	1
Comment:	

Alt Name:

Construction Record - Casing

Casing ID:	930522719
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	176
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359128
Layer:	1
Slot:	025
Screen Top Depth:	176
Screen End Depth:	180
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	994901346
Pump Set At:	
Static Level:	75
Final Level After Pumping:	80
Recommended Pump Depth:	77
Pumping Rate:	9
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933789285
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	172
Water Found Depth UOM:	ft

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24 | ***1 of 1*** | ***W/131.2*** | ***269.9 / -4.05*** | ***Abbotside Way Learmont Ave Caledon ON*** | ***EHS***

Order No:	20130503032	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	RSC Report (Rural)	***Client Prov/State:***	ON
Report Date:	15-MAY-13	***Search Radius (km):***	.3
Date Received:	03-MAY-13	***X:***	-79.816413

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

Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Y: 43.755488

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25 ***1 of 1*** ***W/139.4*** ***269.9 / -4.05*** ***Heart Lake Rd 410 Hwy Caledon ON*** ***EHS***

Order No: 20121120011
Status: C
Report Type: Custom Report
Report Date: 28-NOV-12
Date Received: 20-NOV-12
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.816405
Y: 43.755371

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26 ***1 of 4*** ***WSW/142.8*** ***267.8 / -6.10*** ***South Fields Community Inc. and South Fields Community II Inc.*** ***ECA***

Caledon ON M2J 5A9

Approval No: 0926-7FRQA5
Approval Date: 2008-06-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Toronto
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9060-7FHQPT-14.pdf
MOE District: Halton-Peel
City:
Longitude: -79.8169
Latitude: 43.754200000000004
Geometry X:
Geometry Y:

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26 ***2 of 4*** ***WSW/142.8*** ***267.8 / -6.10*** ***South Fields Community Inc. and South Fields Community II Inc.*** ***ECA***

Caledon ON M2J 5A9

Approval No: 4859-7FRJBK
Approval Date: 2008-06-19
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Toronto
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address:
Full Address:
Full PDF Link:
MOE District: Halton-Peel
City:
Longitude: -79.8169
Latitude: 43.754200000000004
Geometry X:
Geometry Y:

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26 ***3 of 4*** ***WSW/142.8*** ***267.8 / -6.10*** ***South Fields Community Inc. and South Fields Community II Inc.*** ***ECA***

Caledon ON M2J 5A9

Approval No: 8690-7GYPD5
Approval Date: 2008-09-12
Status: Revoked and/or Replaced
Record Type: ECA
MOE District: Halton-Peel
City:
Longitude: -79.8169
Latitude: 43.754200000000004

Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Toronto	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5153-7FCS5D-14.pdf		

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26 **4 of 4** **WSW/142.8** **267.8 / -6.10** **South Fields II Community Inc.** **ECA**

Caledon ON M2J 5A9

Approval No:	4583-83A3LQ	**MOE District:**	Halton-Peel
Approval Date:	2010-03-15	**City:**	
Status:	Approved	**Longitude:**	-79.8169
Record Type:	ECA	**Latitude:**	43.754200000000004
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Toronto	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9370-835R4B-14.pdf		

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27 **1 of 1** **SW/144.2** **264.9 / -9.05** **12267 KENNEDY RD - N. OF MAYFIELD RD.** **WWIS**

CALEDON ON

Well ID:	7113604	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	10/21/2008
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	6875
Casing Material:		**Form Version:**	7
Audit No:	Z87823	**Owner:**	
Tag:		**Street Name:**	12267 KENNEDY RD - N. OF MAYFIELD RD.
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (ALBION)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7113604.pdf

Bore Hole Information

Bore Hole ID:	1001840812	**Elevation:**	263.982788
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595244
Code OB Desc:		**North83:**	4845062
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	7/21/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1002455854
Layer: 1
Plug From: 0
Plug To: 10.9
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002455859
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: HSA

Pipe Information

Pipe ID: 1002455851
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002455856
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002455857
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1002455855
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002455853
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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28 | ***1 of 1*** | ***NNE/144.9*** | ***272.5 / -1.43*** | ***HEART LAKE RD AT MAYFIELD RD CALEDON ON*** | ***WWIS***

Well ID:	7044576	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Not Used	***Date Received:***	6/12/2007
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6032
Casing Material:		***Form Version:***	3
Audit No:	Z66444	***Owner:***	
Tag:	A005213	***Street Name:***	HEART LAKE RD AT MAYFIELD RD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7044576.pdf

Bore Hole Information

Bore Hole ID:	11766997	***Elevation:***	272.066223
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	595757
Code OB Desc:	Overburden	***North83:***	4845889
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	5/15/2007	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 933103385
Layer: 3
Color: 6

General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	6.1
Formation End Depth:	6.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933103384
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	6.1
Formation End Depth:	6.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933103383
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	0
Formation End Depth:	6.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933320440
Layer:	1
Plug From:	0
Plug To:	0.3
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933320441
Layer:	2
Plug From:	0.3
Plug To:	2.44
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	967044576
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11774687
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930900403
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3.05
Casing Diameter:	5
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933424812
Layer:	1
Slot:	10
Screen Top Depth:	3.05
Screen End Depth:	6.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5

Hole Diameter

Hole ID:	11853641
Diameter:	12
Depth From:	0
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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29 | ***1 of 1*** | ***S/203.2*** | ***265.1 / -8.79*** | ***lot 18 con 2 ON*** | ***WWIS***

Well ID:	4909283	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	11/10/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	
Water Type:		***Contractor:***	3108
Casing Material:		***Form Version:***	2
Audit No:	262185	***Owner:***	
Tag:		***Street Name:***	

Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4909283.pdf

Bore Hole Information

Bore Hole ID:	11099304	***Elevation:***	265.001068
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	_	***East83:***	595677.9
Code OB Desc:	No formation data	***North83:***	4844817
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/30/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	964909283
Method Construction Code:	A
Method Construction:	Digging
Other Method Construction:	

Pipe Information

Pipe ID:	11103019
Casing No:	1
Comment:	
Alt Name:	

Unplottable Summary

Total: 23 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	South Fields Community Inc., South Fields II Community Inc., Moscorp III Develop		Caledon ON	
CA	Crupi Enterprises Inc.	Heart Lake Road	Brampton ON	
CA	REG. MUN. OF PEEL	HEART LAKE RD.	BRAMPTON CITY ON	
CA	South Fields II Community Inc.		Caledon ON	
CA	Heart Lake Road Developers Group Inc.	Heart Lake Road	Brampton ON	
CA	The Corporation of the City of Brampton	Heart Lake Road	Brampton ON	
CA	YATTON DEVELOPMENTS LTD.	PT.LOT 19/CONC.2,YATTON VILL.	PEEL TWP. ON	
CA	846456 ONTARIO LTD.	HEART LAKE RD./STREETS A-E	BRAMPTON CITY ON	
CA	846456 ONTARIO LTD.	HEART LAKE RD/A. DONNELLY SUB.	BRAMPTON CITY ON	
CA	MANAGEMENT BOARD SECRETARIAT	HEART LAKE RD. SEW. LIFT STA.	BRAMPTON CITY ON	
CA	R.M. OF PEEL	ACROSS HIGHWAY 410	BRAMPTON CITY ON	
ECA	Digram Developments Caledon Inc.	Part of Lot 19 and Concession 2EHS	Caledon ON	L4B 3N6
ECA	South Fields Community Inc. and South Fields II Community Inc.	SWM Pond E4	Caledon ON	M5J 5A9
GEN	Department of Transport	Caledon Radar Station Heart Lake Road	Caledon ON	
GEN	FRANCESCHINI BROS. AGGREGATES LTD.	HEART LAKE ROAD NORTH - BRAMPTON C/O 2531 CAWTHRA ROAD	MISSISSAUGA ON	L5A 2W7
PES	GORE LANDSCAPING ENTERPRISE LIMITED	RR 4	BRAMPTON ON	L6T 3S1

PES	LAKESIDE GARDEN CENTRE (C#02/2002)	RR 4, HEART LAKE RD	BRAMPTON ON	L6T 3S1
PES	LAKESIDE GARDEN CENTRE (C#91761)	R.R. #4, HEART LAKE ROAD	BRAMPTON ON	
SPL	Chester Cartage	Hwy 401 EB, Just East of the 410	Brampton ON	
SPL	Link Ontario Ltd.<UNOFFICIAL>	ON HWY. 410, S-BOUND LANE, N. OF DERRY RD. IN BRAMPTON <UNOFFICIAL>	Brampton ON	
SPL	Maritine Ontario <UNOFFICIAL>	HWY. 410, N-BOUND LANE, JUST NORTH OF CLARK BLVD. <UNOFFICIAL>	Brampton ON	
WWIS		lot 18	ON	
WWIS		lot 19 con 2	YATTON ON	

Unplottable Report

Site: ***South Fields Community Inc., South Fields II Community Inc., Moscorp III Develop***
Caledon ON

Database: ***CA***

Certificate #: 8866-8GKR65
Application Year: 2011
Issue Date: 5/20/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Crupi Enterprises Inc.***
Heart Lake Road Brampton ON

Database: ***CA***

Certificate #: 3815-5TLRDK
Application Year: 2003
Issue Date: 11/26/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***REG. MUN. OF PEEL***
HEART LAKE RD. BRAMPTON CITY ON

Database: ***CA***

Certificate #: 7-0461-85-006
Application Year: 85
Issue Date: 7/4/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***South Fields II Community Inc.***
Caledon ON

Database: ***CA***

Certificate #: 4583-83A3LQ

Application Year: 2010
Issue Date: 3/15/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Heart Lake Road Developers Group Inc.***
Heart Lake Road Brampton ON

Database: ***CA***

Certificate #: 9921-6X9QAG
Application Year: 2007
Issue Date: 1/11/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Brampton***
Heart Lake Road Brampton ON

Database: ***CA***

Certificate #: 6306-6W2RCJ
Application Year: 2006
Issue Date: 12/8/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***YATTON DEVELOPMENTS LTD.***
PT.LOT 19/CONC.2,YATTON VILL. PEEL TWP. ON

Database: ***CA***

Certificate #: 3-1027-94-
Application Year: 94
Issue Date: 10/7/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***846456 ONTARIO LTD.***
HEART LAKE RD./STREETS A-E BRAMPTON CITY ON

Database: ***CA***

Certificate #: 7-0777-93-
Application Year: 93
Issue Date: 9/7/1993
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***846456 ONTARIO LTD.***
HEART LAKE RD/A. DONNELLY SUB. BRAMPTON CITY ON

Database: ***CA***

Certificate #: 3-0979-93-
Application Year: 93
Issue Date: 9/7/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MANAGEMENT BOARD SECRETARIAT***
HEART LAKE RD. SEW. LIFT STA. BRAMPTON CITY ON

Database: ***CA***

Certificate #: 3-0055-94-
Application Year: 94
Issue Date: 2/24/1994
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***
ACROSS HIGHWAY 410 BRAMPTON CITY ON

Database: ***CA***

Certificate #: 7-0038-87-
Application Year: 87
Issue Date: 2/6/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Digram Developments Caledon Inc.***
Part of Lot 19 and Concession 2EHS Caledon ON L4B 3N6

Database: ***ECA***

Approval No:	0666-A6BMHM	***MOE District:***	
Approval Date:	2016-02-01	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Part of Lot 19 and Concession 2EHS		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9608-A5WL76-14.pdf		

Site: ***South Fields Community Inc. and South Fields II Community Inc.***
SWM Pond E4 Caledon ON M5J 5A9

Database: ***ECA***

Approval No:	1096-9PAJG2	***MOE District:***	
Approval Date:	2014-09-26	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	SWM Pond E4		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9985-9MQQJZ-14.pdf		

Site: ***Department of Transport***
Caledon Radar Station Heart Lake Road Caledon ON

Database: ***GEN***

Generator No:	ON5091686	***PO Box No:***	
Status:		***Country:***	
Approval Years:	06	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	911240		
SIC Description:	Federal Regulatory Services		

Detail(s)

Waste Class:	243
Waste Class Desc:	PCB'S

Site: ***FRANCESCHINI BROS. AGGREGATES LTD.***
HEART LAKE ROAD NORTH - BRAMPTON C/O 2531 CAWTHRA ROAD MISSISSAUGA ON L5A 2W7

Database: ***GEN***

Generator No:	ON0570602	***PO Box No:***	
Status:		***Country:***	
Approval Years:	86,87,88,89,90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	0821		
SIC Description:	SAND & GRAVEL PITS		

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: ***GORE LANDSCAPING ENTERPRISE LIMITED***
RR 4 BRAMPTON ON L6T 3S1

Database: ***PES***

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Operator
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: ***LAKESIDE GARDEN CENTRE (C#02/2002)***
RR 4, HEART LAKE RD BRAMPTON ON L6T 3S1

Database: ***PES***

Detail Licence No: 23-01-01986-0
Licence No: 01986
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class: 01
Licence Control: 0
Latitude:
Longitude:
Lot:
Concession:
Region: 3
District:
County: 49
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region: 3
Operator District:
Operator County: 49
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: ***LAKESIDE GARDEN CENTRE (C#91761)***
R.R. #4, HEART LAKE ROAD BRAMPTON ON

Database: ***PES***

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:

Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF Link:			

Site: ***Chester Cartage*** ***Database:*** ***SPL***
Hwy 401 EB, Just East of the 410 Brampton ON

Ref No:	4358-9F4QBV	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2014/01/06	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Collision/Accident	***Sector Type:***	Truck - Only Saddle Tanks
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	Hwy 401 EB, Just East of the 410
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Brampton
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2014/01/06	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Highway Spills (usually highway accidents)
Incident Reason:	Operator/Human Error	***Source Type:***	
Site Name:	Hwy 401<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA, Chester Cartage, 300-600L, cnt		
Contaminant Qty:	600 L		

Site: ***Link Ontario Ltd.<UNOFFICIAL>*** ***Database:*** ***SPL***
ON HWY. 410, S-BOUND LANE, N. OF DERRY RD. IN BRAMPTON <UNOFFICIAL> Brampton ON

Ref No:	6845-63LSQ4	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:	8/6/2004	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Container Leak (Fuel Tank Barrels)	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:		***Site Municipality:***	Brampton
Nature of Impact:		***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/6/2004	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Debris on Road	***Source Type:***	
Site Name:	ON HWY. 410, S-BOUND LANE, N. OF DERRY RD. IN BRAMPTON <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Link Trucking - 200 L of diesel to hwy.		
Contaminant Qty:	200 L		

Site: ***Maritime Ontario <UNOFFICIAL>***
HWY. 410, N-BOUND LANE, JUST NORTH OF CLARK BLVD. <UNOFFICIAL> Brampton ON

Database: SPL

Ref No:	1154-6MP5ZH	***Discharger Report:***	
Site No:		***Material Group:***	Chemicals
Incident Dt:	3/7/2006	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	other
Incident Event:		***Agency Involved:***	
Contaminant Code:	22	***Nearest Watercourse:***	
Contaminant Name:	POTASSIUM HYDROXIDE SOLUTION	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Brampton
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/7/2006	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: Maritime Ontario - 3 L potassium hydroxide to ground.
Contaminant Qty: not provided

Site:
lot 18 ON

Database: WWIS

Well ID:	6714474	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/20/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2663
Casing Material:		***Form Version:***	1
Audit No:	257922	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	PEEL TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10542319	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/10/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932922171
Layer: 6
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 190
Formation End Depth: 195
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932922170
Layer: 5
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 183
Formation End Depth: 190
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932922167
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 14
Mat2 Desc: HARDPAN
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932922168
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY

Mat2:	12
Mat2 Desc:	STONES
Mat3:	14
Mat3 Desc:	HARDPAN
Formation Top Depth:	68
Formation End Depth:	145
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932922169
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	145
Formation End Depth:	183
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932922166
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933240232
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966714474
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11090889
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930779174
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	195
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996714474
Pump Set At:	
Static Level:	50
Final Level After Pumping:	54
Recommended Pump Depth:	120
Pumping Rate:	16
Flowing Rate:	
Recommended Pump Rate:	16
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935136286
Test Type:	Draw Down
Test Duration:	60
Test Level:	54
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934350768
Test Type:	Draw Down
Test Duration:	15
Test Level:	54
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934614215
Test Type:	Draw Down
Test Duration:	30
Test Level:	54
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934875227
Test Type:	Draw Down
Test Duration:	45
Test Level:	54
Test Level UOM:	ft

Water Details

Water ID:	934036121
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	195
Water Found Depth UOM:	ft

Site:

lot 19 con 2 YATTON ON

Database: ***WWIS***

Well ID:	6714987	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/25/2004
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2644
Casing Material:		***Form Version:***	3
Audit No:	Z01216	***Owner:***	
Tag:	A010862	***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	PEEL TOWNSHIP
Elevation Reliability:		***Site Info:***	6527 PLAN 844, LOT 6
Depth to Bedrock:		***Lot:***	019
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	11179624	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/1/2004	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932990303
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	4

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932990306
Layer: 4
Color: 6
General Color: BROWN
Mat1: 30
Most Common Material: MEDIUM GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 76
Formation End Depth: 89
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932990305
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 14
Mat2 Desc: HARDPAN
Mat3:
Mat3 Desc:
Formation Top Depth: 45
Formation End Depth: 76
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932990304
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4
Formation End Depth: 45
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933262661
Layer: 1
Plug From: 0
Plug To: 80
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966714987
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11188143
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930852815
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 2
Depth To: 85
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933410995
Layer: 1
Slot: 30
Screen Top Depth: 85
Screen End Depth: 89
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.625

Results of Well Yield Testing

Pump Test ID: 11194547
Pump Set At: 70
Static Level: 40
Final Level After Pumping: 70
Recommended Pump Depth: 70
Pumping Rate: 50
Flowing Rate:
Recommended Pump Rate: 25
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 30
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11198820
Test Type: Recovery
Test Duration: 1
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	11198822
Test Type:	Recovery
Test Duration:	3
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11198823
Test Type:	Draw Down
Test Duration:	60
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11198819
Test Type:	Draw Down
Test Duration:	1
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11198821
Test Type:	Recovery
Test Duration:	2
Test Level:	41
Test Level UOM:	ft

Water Details

Water ID:	934057137
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	11313986
Diameter:	8.75
Depth From:	0
Depth To:	89
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Dec 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Jul 31, 2020

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-Dec 31, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jan 31, 2020

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Dec 31, 2020

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jan 31, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

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-Jan 31, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental 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-Jan 2021

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Dec 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

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.