REPORT

Phase 1 ESA - 18501 Mississauga Road, Caledon, Ontario

Proposed Caledon Pit / Quarry

Submitted to:

CBM Aggregates, a division of St. Marys Cement Inc. (Canada)
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Submitted by:

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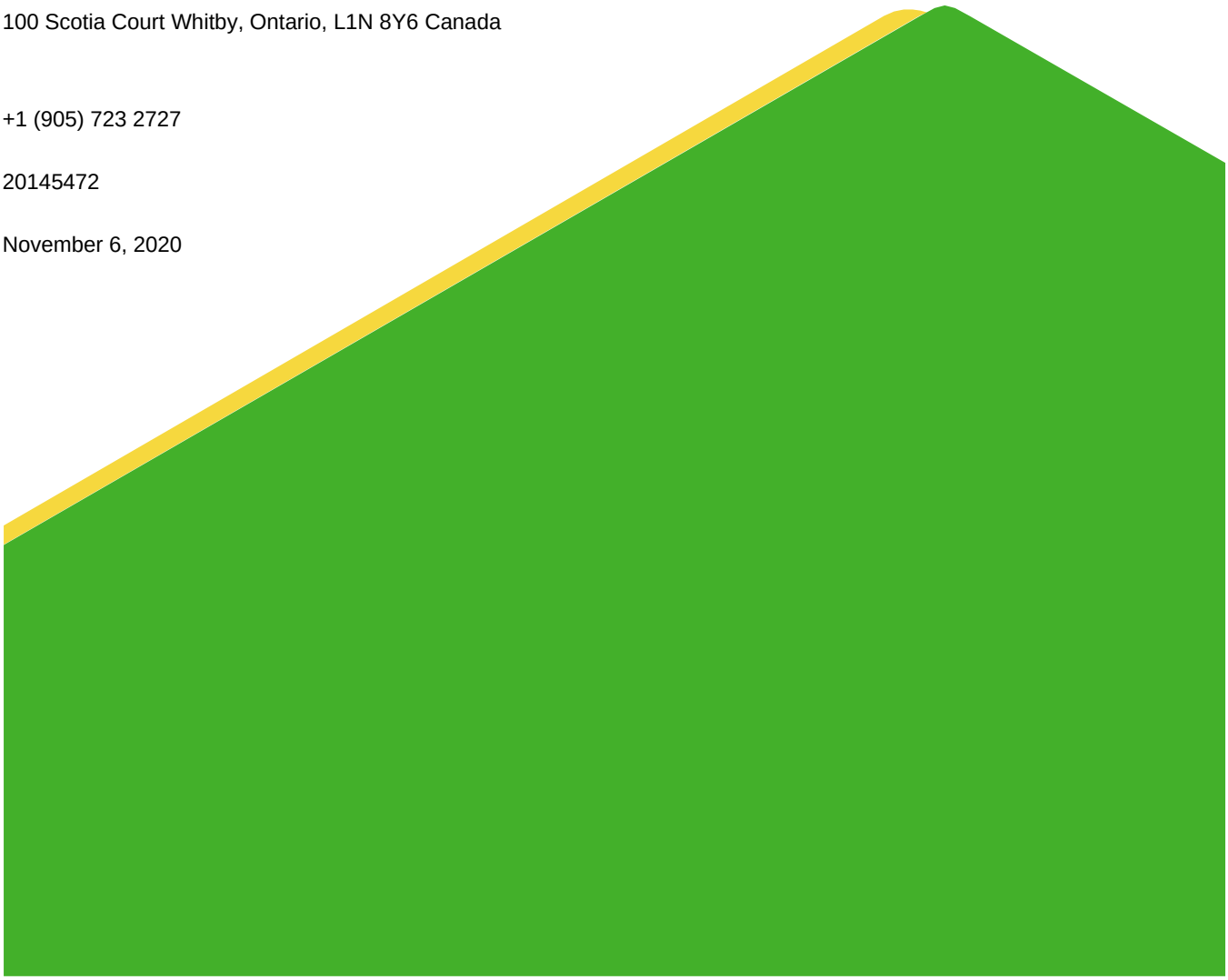

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Executive Summary

Golder Associates Ltd. (“Golder”) was retained by Votorantim Cimentos North America (the “Client”), to conduct a Phase I Environmental Site Assessment (“ESA”) of the property located at 18501 Mississauga Road, Caledon, Ontario (the “Site”). The location, surroundings, and layout of the Site are shown on the attached Figure 1.

The primary objective of the Phase I ESA was to identify, insofar as possible based on readily available information and without an intrusive investigation, former or current practices at the Site that may represent issues of actual or potential environmental concern. Golder understands that this assessment is required for due diligence purposes.

Authorization to proceed with this investigation was received by email from David Hanratty, Director of Land & Resources with Votorantim Climentos, on September 30, 2020. This Phase I ESA report has been prepared for the use of Votorantim Climentos and may not be relied upon by others without written consent from Golder.

The Site was purchased by Mr. John McClellan in 1969. Reportedly, the Site has been used for agricultural purposes for more than 175 years. The structures observed on Site have been gradually developed over the years of operation. The residential building and the old barn are the oldest structures and are approximately 130 years old.

The Golder Site Assessor visited the Site on October 29, 2020 and included a walk-over visual inspection of the Site and cursory observations of adjacent properties from Site boundaries and publicly accessible areas. The Site is located within a primarily agricultural area with local residential and commercial uses adjacent to highways.

The Site is comprised of one rectangular parcel of land with an approximate collective area of 40.4 hectares (100 acres) to the immediate northwest of the intersection of Mississauga Road and Charleston Sideroad. The Site is primarily farmland. The Site is accessed from Mississauga Road using a gravel driveway from the southwestern boundary of the Site. The central portion of the Site is developed with a residential building, a barn, maintenance sheds, garage, wood furnace shed and metal silos. In addition, an older barn and two concrete silos are present northwest of the residential building. The developed portions of the Site account for approximately 3% (2.8 hectares) of the total area. The rest of the Site area is used for agricultural purposes including cash crops and pasture for cattle.

Based on all the information obtained as part of this Phase I ESA, the following issues of potential environmental concern were identified:

- Historical and ongoing and routine use of fertilizers, pesticides and herbicides on Site for agricultural purposes, primarily related to preparation of fields for planting. The practices appeared to have been implemented in a manner consistent with typical mixed farming operations.

Based on all the information obtained as part of this Phase I ESA, there is uncertainty pertaining to the use asbestos and lead-based paints in the buildings on Site. These special attention items are not considered to represent an issue of potential environmental concern provided they are managed in accordance with applicable environmental, health, and safety legislation at the time of building demolition.

No issues or conditions were identified that indicated the immediate need for a Phase II ESA. There may be a requirement for environmental actions that might include soil sampling to identify potential constraints for re-use of the soil in the immediate vicinity of the buildings and yard area at the time of their decommissioning, but the scope of these is likely to be consistent with typical requirements.

At the time of preparation of this report, a regulatory response had not been received from the Ontario Ministry of Environment, Conservation and Parks (“MECP”). It is noted that responses from the MECP are often received after the Phase I ESA work is complete. As most information typically received from the MECP is reported from other sources (i.e. EcoLog ERIS), this outstanding information is not anticipated to represent a material limitation for this report.

This executive summary forms part of the Phase I ESA and should be read in conjunction with the entire report.

Table of Contents

FIGURES

APPENDICES

1.0 INTRODUCTION

Golder Associates Ltd. (“Golder”) was retained by Votorantim Cimentos North America (the “Client”), to conduct a Phase I Environmental Site Assessment (“ESA”) of the property located at 18501 Mississauga Road, Caledon, Ontario (the “Site”). The location, surroundings, and layout of the Site are shown on the attached Figure 1.

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1.1 Scope of Work

Golder’s assessment was carried out in general accordance with Canadian Standards Association (“CSA”) Standard Z768-01, *Phase I Environmental Site Assessment* (reaffirmed 2016), and involved the following scope of work:

- Reviewing readily available records to collect data on past and present activities on the Site;
- Visiting the Site to observe current Site conditions and operations and further assess any potential environmental concerns identified in the records review;
- Interviewing knowledgeable individual(s) to corroborate or augment the information gathered from the records review and Site visit;
- Evaluating the information from the records review, Site visit, and interviews; and,
- Preparing a Phase I ESA report.

For the purposes of this Phase I ESA, the assessment area included the Site and surrounding properties within 250 m of the boundaries of the Site.

Information obtained from external sources are referenced in Section 8.0.

In preparing this Phase I ESA, Golder has applied professional judgement in considering readily available information and has relied in good faith on information provided by others. This level of effort is a method of risk reduction rather than risk elimination. This assessment included a cursory overview of the neighbouring land uses and does not constitute a complete assessment of neighbouring land uses. Further reductions in risk can be achieved through a program of intrusive testing at the Site, including sample collection and analysis.

2.0 SITE DESCRIPTION

The Site is comprised of one rectangular land parcel of land with an approximate 40.4 hectare (100 acres) collective area located in the northern portion of the intersection of Mississauga Road and Charleston sideroad. The Site is located within a primarily agricultural area with local residential and commercial uses adjacent to highways. The Site is primarily farmland. The Site is accessed from Mississauga Road using a gravel driveway

from the southwestern boundary of the Site. The central portion of the Site is developed with a residential building, a barn, maintenance sheds, garage, wood furnace shed and metal silos. In addition, an older barn and two concrete silos are present northwest of the residential building. The developed portions of the Site account for approximately 3% (2.8 hectares) of the total area. The rest of the Site area is used for agricultural purposes including cash crops and pasture for cattle

3.0 TOPOGRAPHIC, GEOLOGIC AND HYDROGEOLOGIC SETTING

The following summary of the Site's topographic, geologic, and hydrogeologic setting is based on a review of mapping information and other sources of information as indicated in Section 8.0 (References).

Item	Detail
Surficial Geology	The Site lies west of Niagara Escarpment and south of the Orangeville Moraine. The Site is located on silty sand to sandy silt on Paleozoic terrain.
Bedrock	The Site is underlain by Paleozoic limestone, dolostone, shale and sandstone bedrock formations, overlain by variable thickness of Quaternary aged unconsolidated sediments.
Nearest Waterbody	A tributary of the Credit River appears to be present approximately 1.3 km east of the eastern portion of the Site.
Grade of Surrounding Properties	The Site elevation ranges from 400- 418 m above sea level (asl). Based on observations at the time of the Site visit and as observed from Google Earth, the properties to the north are at a slightly higher grade, while the east and west of the Site at grade and south are at a lower grade than the Site.
Inferred Groundwater Flow Direction	Regional groundwater flow is inferred to be north to south, and the localised flow is towards the Credit River, east of the Site. Inferred groundwater flow directions are subject to confirmation with field measurements.

4.0 HISTORICAL INFORMATION REVIEW

4.1 Insurance Records

Golder retained EcoLog Environmental Risk Information Services ("ERIS") to contact Opta Information Intelligence ("Opta") to provide fire insurance plans ("FIP"), property underwriters' reports ("PUR") and property underwriters' plans ("PUP") related to the Site and surrounding properties. No records were found. The response received from Opta is provided in **Appendix A**.

4.2 Regulatory Requests

A Freedom of Information (“FOI”) request was submitted to the Ministry of the Environment, Conservation, and Parks (“MECP”) for information on historical spills, orders, investigations or prosecutions, waste generation and Certificates of Approval with respect to the Site. At the time of writing this report, no response had been received from the MECP.

In addition, the Technical Standards & Safety Authority (“TSSA”), Fuels Safety Division maintains records related to registered fuel storage tanks and other petroleum-related infrastructure. Golder was informed by TSSA on October 2, 2020 that there were no records in relation to the Site. A copy of the response is provided in **Appendix B**.

4.3 Environmental Databases

Golder reviewed selected environmental databases, including federal, provincial, and private-sector databases for the Site and within approximately 250 m from the boundaries of the Site. Noteworthy findings are summarized below.

Site
■ Two water supply wells for domestic and livestock uses were advanced at the Site in 1970-71 to depths ranging from 40- 52m bgs(135-171 ft). The stratigraphy generally consisted of gravel, sand, clay up to a depth of 4.8 m bgs(16 ft). Bedrock composition consisted of shale and dolomite. Water was encountered at depths ranging from approximately 18- 23m bgs (60- 76 ft).

Surrounding Properties
■ An Environmental Compliance Approval (ECA) for Credit Valley municipal sewage dated August 2020. Well record Listings: ■ Four domestic water supply wells were advanced at Lot 17 concession 4, Lot 16 Concession 5 and Lot 16 Concession 4 between 1987 to 2012, advanced to depths ranging from 8- 60 m bgs (27 ft -200 ft). The stratigraphy generally consisted of gravel, sand, clay, limestone, sandstone and shale. Water was encountered at depths ranging from 7.9- 60.9 m bgs (26 ft- 200 ft) m bgs. ■ One recharge well was advanced at Lot 19 concession 4 in 1986 to a depth of 22.8 m bgs (75 ft). Water was encountered 20.11 m bgs (66 ft).

The complete database report is included in **Appendix C**.

4.4 Aerial Imagery

Aerial imagery for the Site and surrounding properties were reviewed by Golder. Aerial imagery from 1954 to 1990 were provided to Golder for review from EcoLog ERIS, and aerial imagery from 2004 to 2019 were reviewed on Google Earth®. There were no aerial photographs available to review from the 1920s, 1930s and the 1940s. Noteworthy findings from this review are provided in the table below.

Year	Site	Surrounding Properties
1954	The Site appears to consist of agricultural fields with some structures present in the central portion of the Site.	**North-west:** Agricultural fields **North-east:** Agricultural fields followed by a group of trees **South-west:** A road similar in position and orientation to present-day Mississauga road followed by agricultural fields. **South-east:** A road similar in position and orientation to present day Charleston sideroad followed by agricultural fields and some structures (likely a residence).
1960	Generally, as per 1954 aerial photograph	Generally, as per the 1964 aerial photograph
1980	Generally, as per 1954 aerial photograph	Generally, as per the 1964 aerial photograph
1990	Generally, as per the 1954 aerial photograph.	Generally, as per the 1964 aerial photograph
2004	The Site appears to consist of agricultural fields with additional structures present in the central portion of the Site.	Generally, as per the 1964 aerial photograph
2012	Generally, as per the 2004 aerial, except the addition of the new barn	Generally, as per the 1964 aerial photograph with some additional structures to the west and north of the Site.
2015	Site has been developed with Site buildings and structures in the same configuration as the present day.	Generally, as per the 2012 aerial.

4.5 City Directories

Golder asked EcoLog ERIS to search city directories for the Site and surrounding properties. Relevant findings from the city directory listings are presented below.

Site

The Site address was not listed between 1958 and 1994. The Site was listed in 2000 as Morette's Furniture Inc.

Surrounding Area

ERIS did not include noteworthy listings for the surrounding properties.

5.0 SITE VISIT

5.1 Details of the Site Visit

During the Site visit, the Site Assessor walked through and observed accessible areas of the Site, observed neighbouring properties, interviewed the Site Representative, and photographed representative Site features (Appendix C).

Item	Detail
Site Assessor	David Smyth
Date of Site Visit	October 29, 2020
Site Representative's Name and Title	Mr. John McClellan, Site owner
Weather During Site Visit	Cloudy/Overcast, 5° Celsius
Site Visit Restrictions	No photographs were taken during the Site visit. Building interiors were only viewed from outside and not inspected in detail. The residential building was not viewed from inside.

5.2 Past Site Uses

The Site was purchased by Mr. John McClellan in 1969. Reportedly, the Site has been used for agricultural purposes for more than 175 years. The structures observed on Site have been gradually developed over the years of operation. The residential building and the old barn are the oldest structures and are approximately 130 years old. The development history of the Site did not change significantly in the aerial photography records between 1954 and 2015.

The Site Representative was asked whether any of the specific activities of potential environmental concern listed below had occurred at the Site or surrounding properties. A summary of the Site Representative's response is provided below.

Reported Uses	Detail
Dry cleaning facility	None reported
Industrial metal finishing, including degreasing, painting or electroplating	None reported or observed
Other past industrial use	None reported or observed
Fuel storage	Diesel and gasoline stored in separate above ground storage tanks (ASTs) approximately 1,890 litres (500 gallons) in volume adjacent to the driveway.

Reported Uses	Detail
Retail fuel outlet or vehicle service garage	None reported
Landfilling or placement of fill	None reported or observed
Wastewater impoundments	None reported or observed.
Solid or liquid waste storage or disposal	Farm wastes, including animal faeces, are used on the Site for land-application of manure.
Environmental sampling, wells, or evidence of drilling	Two domestic and livestock water-supply wells are present on Site.
Any other activities that may have affected the environmental condition of the Site or neighbouring properties	The Site has a long history of agricultural use. The agricultural practices have evolved over the years. The Site has been using fertilizers, pesticides and herbicides for agricultural purposes throughout the years of operation.

5.3 Present Site Uses

The Site is currently being used for agricultural, cattle farming (non-dairy) activities. A residential building within the Site houses the family of the Site owner.

The central portion of the Site is developed into a residential building, a barn, maintenance sheds, garage, wood furnace shed and metal silos. In addition, an old barn and two concrete silos are present northwest of the residential building. Site access from Mississauga Road, which forms the southwestern boundary of the Site, is a gravel driveway connecting both barns and other structures on Site.

General Site Information	Findings and Assessor Comments
Current Site uses	The Site is a farmland used for agriculture, including cash crop and cattle production, and residential purposes.
Number of buildings/structures on the Site and use	The Site consists of the following structures: ■ Residential House- used as residence by Site owner and family ■ Old Barn- Used for cattle operations and storage of hay ■ New Barn -Used to house cattle ■ Two concrete silos, and ■ Wood shed- houses the wood furnace that heats the residential building and the maintenance shed. ■ Maintenance shed

General Site Information	Findings and Assessor Comments
	■ Storage shed I and II ■ Metal shed ■ Personal vehicle garage ■ Four metal containers, or trailers
Yard Areas	Approximately 97% of the Site is used for agricultural/ pasture purpose. Exterior portions of the site also include driveways/access road and parking area in the southwestern and central portion of the Site.
Areas of exterior staining	No staining was observed or reported on the exterior ground surface.
Stressed vegetation	None observed during the Site visit.
Fill (including soil, rock, and other inert materials)	Use not reported by the Site representative. Based on the site visit, no obvious fill was observed other than the possible use in on Site roadway/driveways/lanes. The Site representative indicated that fill for this purpose originated on Site.
Watercourses, ditches or standing water (including wetlands)	No watercourses were observed on the Site. No standing water was observed during the Site visit and soil was observed to be well drained during the Site visit. A ditch is located adjacent to Mississauga Road, along the southwestern and northwestern boundary of the Site.

5.4 Site Buildings

At the time of the Site visit, the Site was developed into

Buildings	
Approximate building size	■ Residential House: approximately 287 m^2 (3098 square feet (ft^2)) ■ Old Barn: approximately 1072 m^2 (11,546 ft^2) with wooden structures with concrete/stone foundations ■ Two concrete silos: approximately 112 m^2 (1,208 ft^2) ■ New Barn: approximately 434 m^2 (4,677 ft^2) with wooden structures with concrete/stone foundations ■ Wood-shed: approximately 92 m^2 (998 ft^2) ■ Maintenance shed: approximately 230 m^2 (2,471 ft^2) used for activities including dry welding. ■ Storage shed I and II: approximately 92 m^2 (998 ft^2) ■ Metal shed: approximately 445 m^2 (4785 ft^2) ■ Four metal silos: approximately 140 m^2 (1,522 ft^2)
Building construction date (year)	The structures observed on Site have been gradually developed over the years of operation. The residential building and the old barn are the oldest structures and are approximately 130 years old. The newer barn is reportedly 75 years old.

Building additions (year)	Renovations and up-grades have been undertaken as on need basis during the operational years.
Number of above grade floors	■ Residential building: two ■ Maintenance sheds and barns: one
Number of below grade floors	None
Tenants	The Site is solely occupied by the Site owner and family.
Heating system	A wood fired furnace located within a wood-shed provides heating to the residential building and equipment maintenance shed, that is also used for some farm equipment storage. The other sheds are not heated.
Cooling system	None.
Backup power supply	None observed or reported.
Potable water supply	Potable water is sourced from the two domestic and livestock water supply wells on Site.
Hydraulic lift equipment	None reported or observed.
Transformers	None reported or observed.
Other mechanical equipment	The Site had conventional farm equipment and vehicles, with limited maintenance facilities.

5.5 Chemical and Fuel Storage

Chemical use observed at the Site was limited to the agricultural and cattle operations on the Site. At the time of the Site visit, the chemical use was restricted to fertilizers, pesticides and herbicides for agricultural purposes, primarily related to preparation of fields for planting, limited fuel storage for the farm equipment and vehicles, and the maintenance shed.

General Description	Findings and Assessor Comments
Janitorial supplies and maintenance products.	Limited use of lubricants and hydraulic oils associated with maintenance requirements were reported for the maintenance shed.
Process chemicals or products	None reported or observed.
ASTs	Diesel and gasoline fuels for use of farm equipment was stored in two ASTs approximately 1,890 Litres (500 gallons) in volume.
USTs	None reported or observed.
Drums	None reported or observed.

General Description	Findings and Assessor Comments
Chlorinated solvents	None reported or observed.
Compressed gases	None reported or observed.
Other chemicals or fuels	Limited volumes of farm chemicals including fertilizers, pesticides and herbicides for weed control and preparation of the fields for crop planting were stored under dry and secure conditions in one steel trailer in the central portion of the Site. The storage of herbicides and fertilizers was observed to be limited and practices were reported to involve purchase for use as needed to avoid significant bulk storage requirements.
Unidentified substances	None reported or observed.
Spills and/or staining	No spills or stains were noted during the Site visit.

5.6 Waste Generation and Handling

Waste generation and handling practices at the Site are described below:

Waste Generation	Description
Solid waste typical of commercial operations	Waste generated on the site include agricultural waste including crop residues and livestock waste. In addition, typical domestic solid waste is generated on the Site. Garbage is collected by the municipality on a weekly basis. Old equipment currently not in use was observed to be stored on unpaved land north of the large metal storage shed in the central portion of the Site.
Other solid waste or sludge	Cattle waste primarily in the form of manure for is used for application on fields as fertilizer at the Site.
Sewage	One septic tank with tile bed for on-Site management of domestic sewage is located southwest of the residential building.
Other wastewater or liquid waste	None reported or observed.
Hazardous waste and O. Reg. 347 Waste Generator registration	The Site is not registered as a hazardous waste generator.
Lagoons, drains, sumps, pits, and oil-water separators	None reported or observed.
Process vents	None observed or reported.
Other air emissions	Exhaust from residential building and wood furnace shed.
Strong, noxious, or pungent odours	None observed or reported.

5.7 Surrounding Properties

Golder observed surrounding properties from publicly accessible areas and from the Site. The area surrounding the Site is primarily agricultural. Observations of the surrounding properties by the Site Assessor are provided below.

Direction	Assessor Findings and Comments
North-west (inferred to be up-gradient of the Site)	Agricultural and residential land
South-west (inferred to be cross-gradient of the Site)	Mississauga Road followed by agricultural land
North-east (inferred down-gradient of the Site)	Agricultural land.
South-east (inferred to be down-gradient of the Site)	Charleston Sideroad followed by agricultural land.

5.8 Special Attention Items

Information about “Special Attention Items” was collected during the Site visit and the interview with the Site Representative. In the following subsections, information collected during the Site visit and interview is supplemented with information from previous reports, where such reports exist.

5.8.1 Polychlorinated Biphenyls

Polychlorinated biphenyls (“PCB”) are a group of organic chemicals that were widely used in caulking and electrical equipment manufactured between the 1950s and 1980. Caulking potentially containing PCB can found in any building constructed during this period. Electrical equipment potentially containing PCB is restricted to transformers, capacitors, heat transfer equipment, hydraulic equipment, electromagnets and vapour diffusion pumps manufactured prior to September 1977 and in lamp ballasts manufactured prior to July 1980. The PCB regulations of the Canadian Environmental Protection Act (SOR/2008-273) require that equipment containing more than 50 mg/kg PCB should be decommissioned, with PCB use to be eliminated by 2025.

At the time of the Site visit, no transformers or PCB-related equipment were observed to be present at the Site. The Site representatives were not aware of the presence of any PCB-containing equipment at the Site.

5.8.2 Asbestos-Containing Materials

The use of asbestos-containing building materials (“ACM”), including both friable and non-friable asbestos, in building construction materials significant declined on a voluntarily basis in the mid-1970s. The use of materials containing friable asbestos in Canada was effectively discontinued by 1986 as a result of strict provincial regulation. Typical examples of friable ACM include thermal, fire-proofing or acoustical insulating materials and can include deteriorated materials containing non-friable ACM (e.g., Transite™ pipe). Typical examples of non-friable ACM can include packings, gaskets, sealants, resilient flooring, asphalt roofing, mastics, drywall joint compounds, stuccos, cementitious and Transite™ materials (including drains and downspouts), and Transite™ shingles. Buildings constructed prior to 1986 potentially contain both friable and non-friable ACM. Buildings constructed after 1986 potentially contain non-friable ACM; however, as a practical matter, the condition of some non-friable ACM can deteriorate, releasing asbestos fibres if disturbed.

Considering the age of some of the buildings, the oldest constructed prior to 1900, asbestos use is possible on Site. At the time of the Site visit, asbestos use was not observed or reported by the Site Representative. It should be noted that the buildings were not inspected from inside.

5.8.3 Lead and Lead-Containing Surface Coatings

Paints manufactured prior to 1960 commonly contained significant lead. In 1976, the Canadian Hazardous Products Act restricted the lead content of paints and other surface coatings on furniture, household products, children's products, and exterior and interior surfaces and since that time lead content of paints has continued to decline. Lead-containing surface coatings in good condition are not typically associated with health risks to building occupants; however, unacceptable lead exposures can occur during building renovations, modifications or demolition activities. Other potential sources of lead in buildings include soldered plumbing joints installed prior to 1986 and lead plumbing pipe (used up until 1975). Lead is present in leaded glass and other type of radiation shielding that are used where radiation sources are present (e.g., medical and dental clinics).

Based on the age of the residential building, the Site may contain lead. The observed painted surfaces of the Site buildings were generally noted to be in good condition with no significant sections of paint that were peeling and/or flaking.

5.8.4 Ozone-Depleting Substances

Refrigeration and air conditioning equipment in service prior to 1998 may contain chlorofluorocarbon refrigerants that are designated as ozone-depleting substances (“ODS”). Non-ODS refrigerants have been developed and are available to replace these materials in newer equipment. Other ODS include halons, methyl chloroform and carbon tetrachloride. Under the Ozone Depleting Substances Regulations 1998 of the Canadian Environmental Protection Act (SOR/99-07), all ODS are being phased out of use in Canada.

No ODS containing equipment was observed or reported during the Site visit. The Site does not have any refrigeration and air conditioning equipment.

5.8.5 Urea Formaldehyde Foam Insulation

Urea formaldehyde foam insulation (“UFFI”) is low-density foam that was used as an insulating material in the 1970s until it was banned from use in Canada in 1980. UFFI was commonly injected through walls by drilling injection holes, typically in walls, roof structures, ceilings and overhangs.

The Site Representative was not aware of UFFI having been used at the Site.

5.8.6 Radon and Radioactive Substances

Radon is a radioactive gas formed by the decay of naturally occurring uranium. In 2012 Health Canada released a major study demonstrating that radon concentrations in 7% of Canadian homes exceed the recommended guideline of 200 Becquerels/m^3. It is likely that similar proportion of commercial and industrial buildings are also impacted by radon at concentrations exceeding this recommended guideline. Although radon concentrations vary significantly across Canada, no geographic area is radon-free and Health Canada recommends the completion of long-term radon testing to determine radon concentrations within a building.

Radioactive sources are found within a wide range of testing equipment including lasers, x-ray sources, imaging and radiography equipment, industrial gauges (including density gauges and other materials testing equipment), and smoke detectors. Radioactive products include any uranium containing material and medical isotopes.

No radioactive sources were observed or reported to be present at the Site. The Site Representative was unaware if radon testing was conducted at the Site.

5.8.7 Mercury

Mercury may be present in both mechanical and electrical equipment including thermometers, thermostats, switch gears, barometers, vacuum gauges, gas pressure regulators, electrical switches/relays, batteries and electrolytic manufacturing processes. Small amounts of mercury are present in some fluorescent lights, including mercury vapour, metal halide, and sodium vapour lamps.

During the Site visit, Golder did not observe any equipment or products potentially containing mercury.

5.8.8 Mould or Water Damage

Mould can grow on damp building materials such as ceiling tiles, drywall, carpeting, and areas. Mould growth is commonly associated with water leakage. The Site Representative stated that mould has not been of concern at the Site. No areas of moisture, water ingress and/or suspected mould growth were observed or reported to be present at the time of the Site reconnaissance.

5.8.9 Noise and Vibration

No major or persistent sources of noise and vibration were observed or reported to be present.

5.8.10 Non-ionizing Electromagnetic Radiation

Non-ionizing types of electromagnetic radiation include radiofrequency and microwave radiation, which can be associated with tissue damage through heating. Radiofrequency radiation is produced by radio and TV transmitters, induction heaters, and dielectric sealers. Microwave radiation is produced by microwave ovens, parabolic antennas, radar devices, and diathermy applicators. No human health risks are known to be associated with the low-energy electromagnetic radiation from commercial electronics and power transmission lines.

No sources of non-ionizing electromagnetic radiation were observed or reported to be present at the time of the Site reconnaissance.

6.0 CONCLUSIONS

The information obtained as part of this Phase I ESA was evaluated to identify relevant environmental conditions with the potential for contamination to be present in environmental media or building materials (“issues of potential environmental concern”). Environmental conditions that do not present a threat to human health or the environment and that generally would not be the subject of regulatory enforcement were not considered to represent an issue of potential environmental concern. Some land uses or activities in the surrounding area were not specifically identified as an issue of potential environmental concern based on their separation distance from the Site, the inferred hydrogeologic conditions and/or the absence of evidence of a contaminant release to the subsurface associated with the off-Site land use or activity.

Based on all the information obtained as part of this Phase I ESA, the following issues of potential environmental concern were identified:

- Historical and ongoing routine use of fertilizers, pesticides and herbicides on Site for agricultural purposes, primarily related to preparation of fields for planting. There were limited volumes of chemical present, and these were stored in a secure metal trailer. The practices appeared to have been implemented in a manner consistent with typical mixed farming operations.

Based on all the information obtained as part of this Phase I ESA, the presence of asbestos and lead is possible due to the age of the buildings on Site. These special attention items are not considered to represent an issue of potential environmental concern provided they are managed in accordance with applicable environmental, health, and safety legislation, in particular at the time of demolition.

No issues or conditions were identified that indicated the immediate need for a Phase II ESA. There may be a requirement for environmental actions that might include soil sampling to identify potential constraints for re-use of the soil in the immediate vicinity of the buildings and yard area at the time of their decommissioning, but the scope of these is likely to be consistent with typical requirements.

6.1 Outstanding Information

At the time of preparation of this report, a regulatory response had not been received from the Ontario Ministry of Environment, Conservation and Parks (“MECP”). It is noted that responses from the MECP are often received after the Phase I ESA work is complete. As most information typically received from the MECP is reported from other sources (i.e. EcoLog ERIS), this outstanding information is not anticipated to represent a material limitation for this report.

7.0 ASSESSOR QUALIFICATIONS

David Smyth (Site Assessor/Reviewer)

Mr. Smyth is a Principal with the Contaminated Sites Group in the Greater Toronto Area (GTA) office of Golder Associates. Mr. Smyth provides senior and technical review on projects involving site investigation, environmental management, remediation and water resource protection on active and brownfields sites dealing with a range of environmental conditions and contaminants including petroleum hydrocarbons, chlorinated solvents and inorganic contaminants (metals and radionuclides) in soil and groundwater. He is a Qualified Person (ESA) under Ontario Regulation 153/04. He has worked on projects for a range of sectors including manufacturing, petroleum, mining, transportation, infrastructure, mining, land development, and municipal and senior government agencies.

Shubhra Aprajita (Report Writer)

Shubra Aprajita is an environmental professional with experience in the fields of environmental site assessments, and site inspections. Shubhra has over nine years of relevant experience completing numerous Phase I Environmental Site Assessments at a variety of properties including residential, commercial, and industrial properties in Canada, India, Singapore and Switzerland. Shubhra has worked with different industry sectors including but not limited to pharmaceutical, telecommunication, renewable energy, oil and gas, flavors & fragrances, metals & mining, food industry, distillery, automotive etc. Ms. Aprajita holds a Master of Science from University of Toronto in Environmental Science and a Bachelor of Technology in Biotechnology from Amity University, India.

8.0 REFERENCES

The following documents and/or data were cited in this report:

Source	Date
Canadian Standards Association Document Z768-01 (reaffirmed 2016), Phase I Environmental Site Assessment.	November 2016
Surficial Geology – Ontario Geological Survey. 2010. *Surficial Geology of Southern Ontario*. Ontario Geological Survey Map Miscellaneous Release – Data 128-REV. Scale 1:50,000.	2010
Bedrock – Ontario Geological Survey. 2011. Bedrock Geology of Ontario. Ontario Geological Survey Map Miscellaneous Release – Data 126 – Revision 1. Scale 1: 250,000.	2011
Groundwater Flow Direction - *The Atlas of Canada.* Toporama Topographic Maps, reviewed online	2020
Nearest Waterbody - *The Atlas of Canada.* Toporama Topographic Maps, reviewed online	2020
Insurance Records - Fire Insurance Plan (“FIP”), Property Underwriters’ Plans (“PUPs”) and Property Underwriter Reports (“PURs”), obtained by Opta Information Intelligence on behalf of Golder	FIP – none PURs – none PUPs – none
Environmental Databases – Custom database report, obtained by EcoLog Environmental Risk Information Services	October 7, 2020
Aerial Photographs	1954, 1960, 1980 and 1990
Google Earth Images, reviewed online	2004, 2012, 2015

9.0 LIMITATIONS

This report (the “Report”) was prepared for the exclusive use of Votorantim Cimentos for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, Golder Associates Ltd. has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted.

Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, are the sole responsibility of the third parties. If a third party require reliance on this Report, written authorization from Golder is required. Golder disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The scope and the period of Golder's assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Except as noted herein, the work was conducted in accordance with the scope of work and terms and conditions within Golder's proposal. Distances noted in this report were determined using mapping data of variable accuracy and should therefore be considered approximate. Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the assessment Golder was retained to undertake with respect to the Site and additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder's opinions are based upon information considered at the time of the writing of the Report. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time the site was visited and cannot be used to assess the effect of any subsequent changes in any laws, regulations, the environmental quality of the site or its surroundings. Asbestos and mould surveys were not performed. If a service is not expressly indicated, do not assume it has been provided.

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices.

10.0 CLOSURE

We trust the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact us.

Signature Page

Golder Associates Ltd.

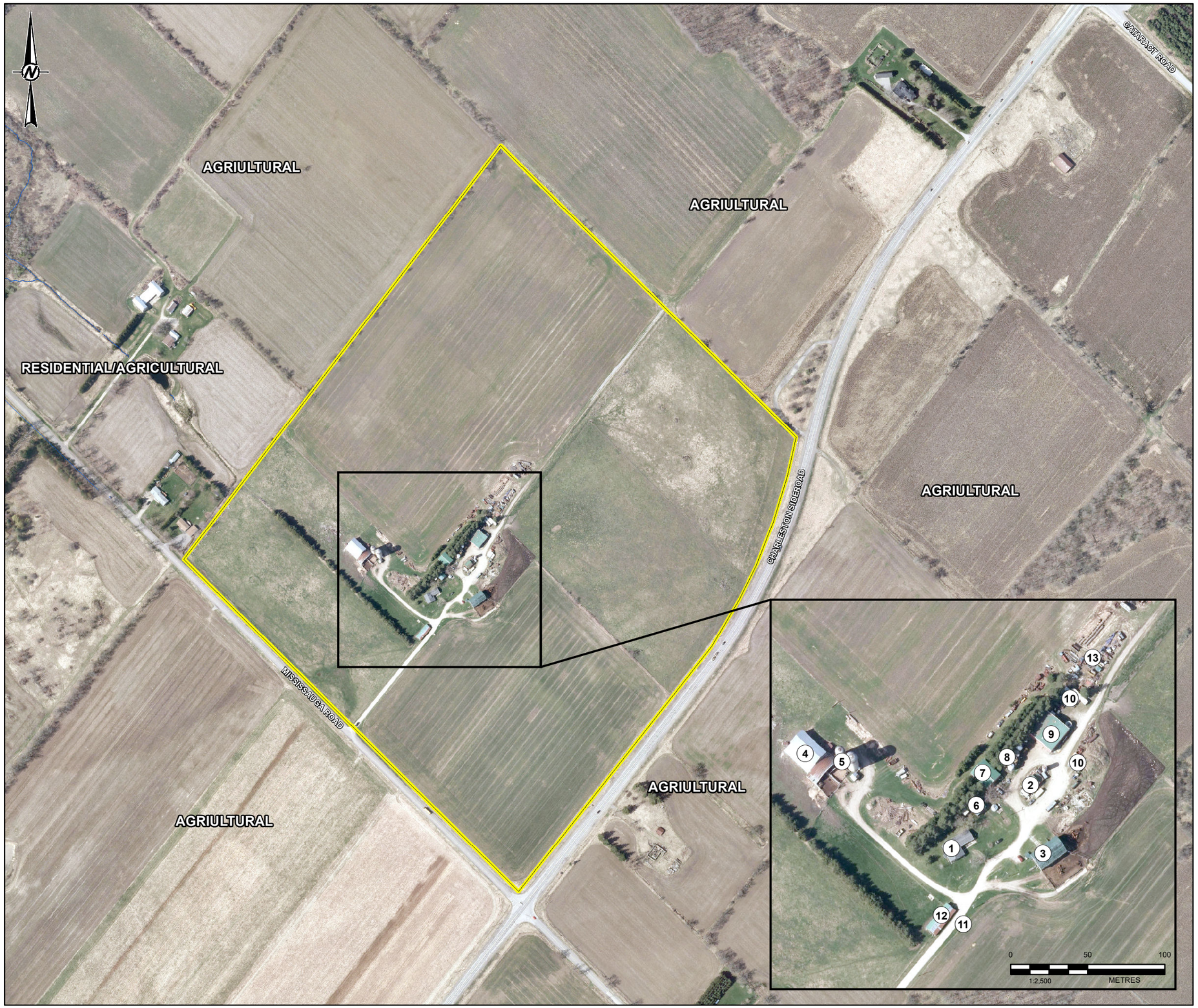
Eric Hood, PhD, PEng
Senior Principal, Environmental Engineer

Mike Cleverdon, BSc, PGeo (Limited), QP
Director, Contaminated Lands Ontario

SA/DS/EH/MC/sa;mp

https://golderassociates.sharepoint.com/sites/114392/project files/6 deliverables/ph 2000-phase 1 esa/reports/site 8 - 18501 mississauga rd/site 8-phase 1 esa-18501 mississauga road-11.06.2022.docx

FIGURES

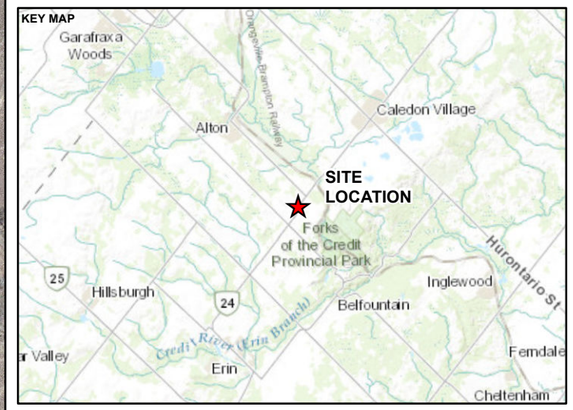


LEGEND

- WATERCOURSE
- SITE PROPERTY

ID	ON-SITE FEATURE
1	RESIDENTIAL BUILDING
2	STORAGE/MAINTENANCE SHEDS
3	BARN WITH CATTLE
4	OLD BARN
5	CONCRETE SILOS
6	WODD SHED/FURNACE
7	EQUIPMENT MAINTENANCE SHED
8	METAL STORAGE BINS/SILOS
9	METAL STORAGE SHED
10	METAL STORAGE CONTAINERS
11	ASTs
12	GARAGE (OLD WOOD STRUCTURE)
13	OLD EQUIPMENT

KEY MAP



0 100 200

1:5,000 METRES

NOTE(S)

REFERENCE(S)

1. BASEDATA MNRF LIO OBTAINED APRIL 2020
2. WATERCOURSES OBTAINED FROM CREDIT VALLEY CONSERVATION AUTHORITY OPEN DATA PORTAL, NOVEMBER 2022 IN COMBINATION WITH SITE WATERCOURSE SURVEY PROVIDED BY FIRST BASE SOLUTIONS NOVEMBER 2021.
3. IMAGERY FIRSTBASE SOLUTIONS SPRING 2019 (15CM RESOLUTION) AND SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
4. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

CLIENT
CBM AGGREGATES, A DIVISION OF ST. MARYS CEMENT INC. (CANADA

PROJECT
18501 MISSISSAUGA ROAD, CALEDON

TITLE
SITE PLAN

CONSULTANT
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2022-12-07
DESIGNED	JT
PREPARED	JT
REVIEWED	SA
APPROVED	HM

PROJECT NO.	CONTROL	REV.	FIGURE
20145472	0001	A	1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

PATH: S:\Clients\Votorantim_Cimentos\Long_Par_5_Caledon\99_PROJ\20145472\40_PROD\0001_Phase_I_ESA_Mississauga_Rd_18501\20145472-0001-H5-0001.mxd PRINTED ON: 2022-12-07 AT: 12:35:08 PM

APPENDIX A

Opta Response

Project Name: 18501
Mississauga Road Caledon

Project #: 20300200279
P.O. #: 20145472

Selected Fire Insurance Plans and Inspection Reports

Requested by:
Eleanor Goolab
Date Completed: 10/08/2020 12:40:56

OPTA INFORMATION INTELLIGENCE

Search Fee	**$50.00**

Selected Fire Insurance Plans

None

Selected Inspection Reports

None

Total	**$50.00**

Project Name: 18501
Mississauga Road Caledon

Project #: 20300200279
P.O. #: 20145472

Excluded Fire Insurance Plans and Inspection Reports

Requested by:
Eleanor Goolab
Date Completed: 10/08/2020 12:40:56

OPTA INFORMATION INTELLIGENCE

Excluded Fire Insurance Plans

None

Excluded Inspection Reports

None

INFORMATION INTELLIGENCE

175 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

T: 905.882.6300
Toll Free: 905.882.6300
F: 905.882.6300

An SCM Company
www.optaintel.ca

APPENDIX B

TSSA Response

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

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

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

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

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

Ontario

May 13, 2021

Jaime Brear
Golder Associates
100 Scotia Court
Whitby, ON L1N 8Y6

Dear Jaime Brear:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2020-05699, Your Reference 20145472

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 18501 Mississauga Road, Caledon.

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

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

If you have any questions regarding this matter, please contact Dany Briollais at 416-319-7739 or dany.briollais@ontario.ca.

Yours truly,

Original Signed by.

Noel Kent
Manager, Access and Privacy

Aprajita, Shubhra

From: Public Information Services <publicinformationservices@tssa.org>
Sent: October 2, 2020 2:52 PM
To: Brear, Jaime
Subject: RE: 20145472 TSSA Database Search

EXTERNAL EMAIL

Hello. 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.

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.

Kind regards,

Roxana

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: Brear, Jaime <Jaime_Brear@golder.com>
Sent: October 2, 2020 2:25 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: 20145472 TSSA Database Search

Good afternoon,

May you please perform a TSSA database record search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the following locations. We found additional information that lead us to this address:

- 18501 Mississauga Road, Caledon, Ontario

Jaime
Jaime Brear (B.A. Hons.)
Environmental Technician

100 Scotia Court, Whitby, Ontario, Canada L1N 8Y6
T: +1 905 723 2727 | **D:** +1 (905) 723-2727 x6612 | **golder.com**
LinkedIn | Facebook | Twitter

Work Safe, Home Safe

APPENDIX C

EcoLog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*18501 Mississauga Road, Caledon* *18501 Mississauga Road, Caledon* *Caledon ON*
Project No:	*20145472*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20300200279*
Requested by:	*Golder Associates Ltd.*
Date Completed:	*October 7, 2020*

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:	*18501 Mississauga Road, Caledon* *18501 Mississauga Road, Caledon Caledon ON*
Project No:	*20145472*

Order Information:

Order No:	*20300200279*
Date Requested:	*October 2, 2020*
Requested by:	*Golder Associates Ltd.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

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	0	0
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 MAN	Chemical Manufacturers and Distributors	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
DELISTED TANK	Delisted Fuel Tanks	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
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	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
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	2	5	7
	Total:		2	8	10

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 16 con 4 ON ***Well ID:*** 4903531	SW/0.0	-1.00	13
2	WWIS		lot 16 con 4 ON ***Well ID:*** 4903625	SW/0.0	-1.00	16

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	WWIS		lot 16 con 4 ON ***Well ID:*** 4909013	NE/10.2	5.31	19
4	WWIS		lot 17 con 4 ON ***Well ID:*** 4907147	W/17.1	-0.08	23
5	WWIS		lot 16 con 5 ON ***Well ID:*** 4906637	W/42.0	0.97	28
6	EHS		Charleston Side Rd Cataract Rd Caledon ON	ENE/61.0	3.00	31
7	ECA	THE REGIONAL MUNICIPALITY OF PEEL	ON	ENE/62.6	2.69	31
8	WWIS		lot 19 con 4 ON ***Well ID:*** 4906521	W/78.8	2.02	31
9	WWIS		lot 17 con 4 ON ***Well ID:*** 4907363	W/104.8	1.85	35
10	EHS		Caledon Village Caledon Village ON	NE/192.6	6.08	39

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Aug 31, 2020 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
THE REGIONAL MUNICIPALITY OF PEEL	ON	62.6	7

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

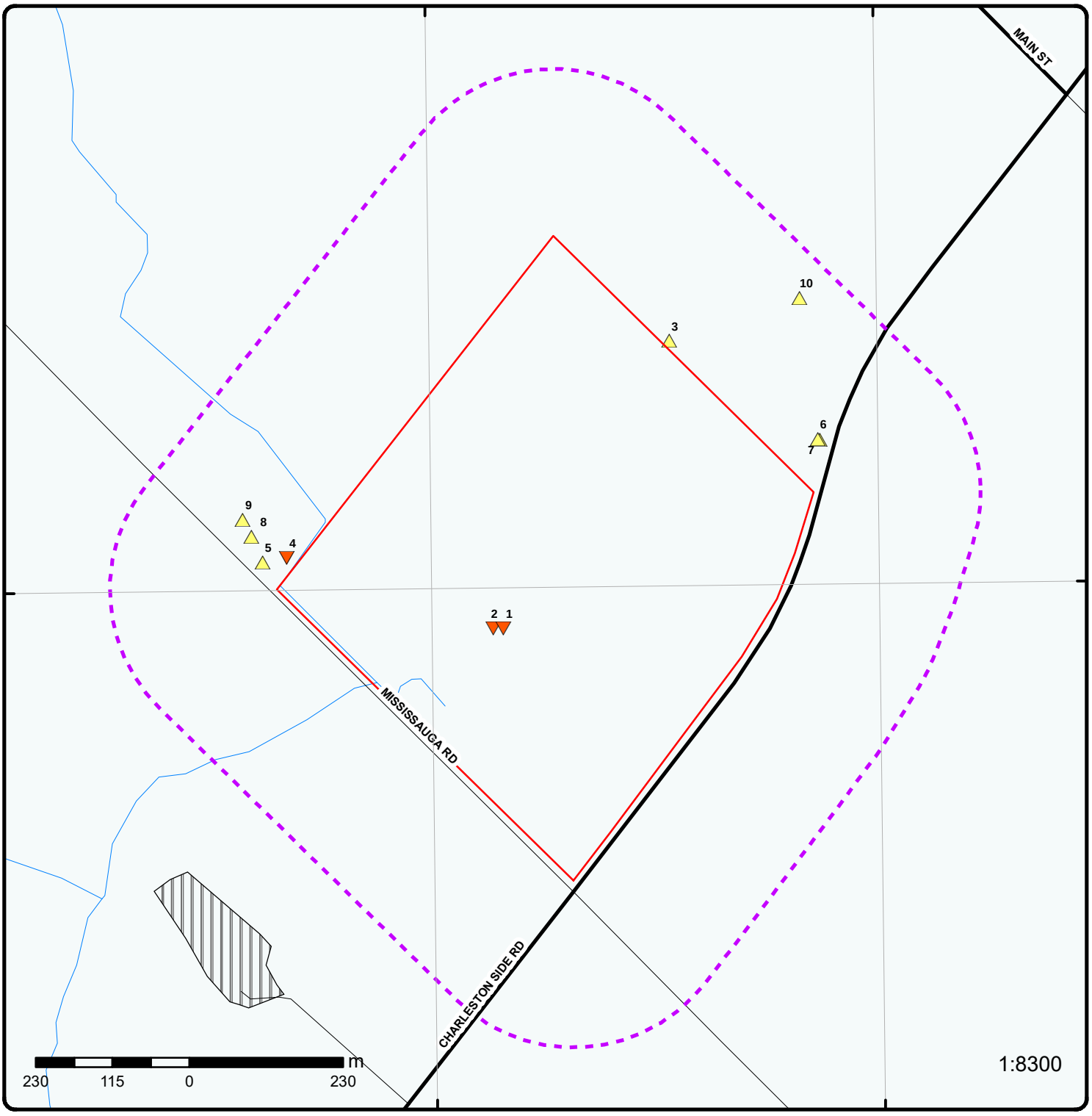
Site	Address	Distance (m)	Map Key
	Charleston Side Rd Cataract Rd Caledon ON	61.0	6
	Caledon Village Caledon Village ON	192.6	10

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 7 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 16 con 4 ON ***Well ID:*** 4903531	0.0	1
	lot 16 con 4 ON ***Well ID:*** 4903625	0.0	2
	lot 16 con 4 ON	10.2	3

Site	Address	Distance (m)	Map Key
	Well ID: 4909013		
	lot 17 con 4 ON	17.1	4
	Well ID: 4907147		
	lot 16 con 5 ON	42.0	5
	Well ID: 4906637		
	lot 19 con 4 ON	78.8	8
	Well ID: 4906521		
	lot 17 con 4 ON	104.8	9
	Well ID: 4907363		



Map : 0.25 Kilometer Radius

Order Number: 20300200279

Address: 18501 Mississauga Road, Caledon, Caledon, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

Aerial

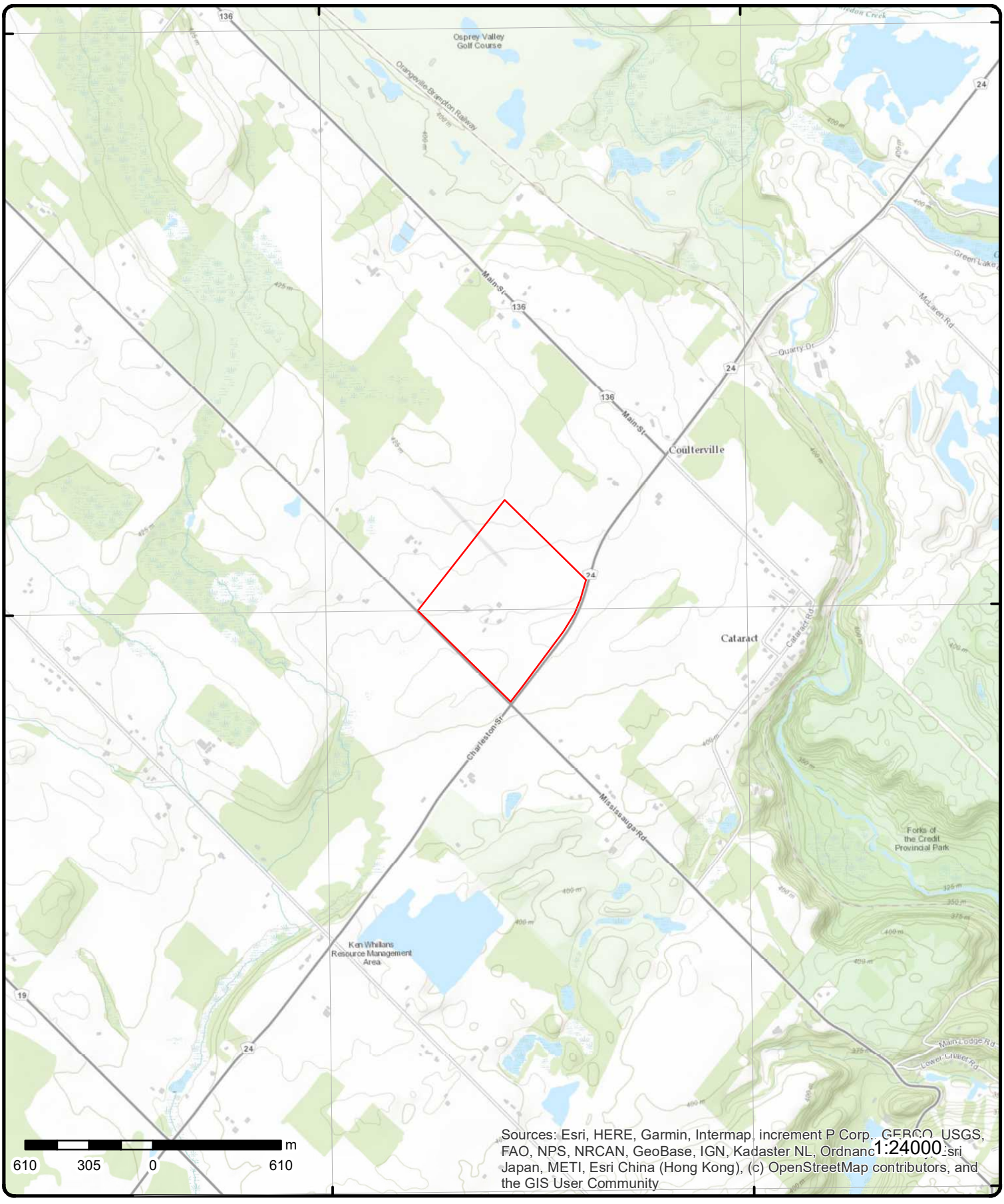
Year: 2018

Order Number: 20300200279

Address: 18501 Mississauga Road, Caledon, Caledon, ON

Source: ESRI World Imagery

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 18501 Mississauga Road, Caledon, ON

Source: ESRI World Topographic Map

Order Number: 20300200279

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SW/0.0	404.9 / -1.00	lot 16 con 4 ON	WWIS

Well ID:	4903531	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	12/30/1970
Sec. Water Use:	Domestic	**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 (CALEDON TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	016
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	HS W
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\4903531.pdf

Bore Hole Information

Bore Hole ID:	10318365	**Elevation:**	405.032104
DP2BR:	16	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	577164.4
Code OB Desc:	Bedrock	**North83:**	4852823
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/1/1970	**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:	932042017
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932042016
Layer: 1
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932042018
Layer: 3
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 135
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932042019
Layer: 4
Color:
General Color:
Mat1: 16
Most Common Material: DOLOMITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 135
Formation End Depth: 171
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964903531
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10866935
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930525868
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930525869
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 171
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994903531
Pump Set At:
Static Level: 28
Final Level After Pumping: 135
Recommended Pump Depth: 150
Pumping Rate: 2
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: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934530879
Test Type: Draw Down
Test Duration: 30
Test Level: 135
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934785021
Test Type:	Draw Down
Test Duration:	45
Test Level:	135
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935049936
Test Type:	Draw Down
Test Duration:	60
Test Level:	135
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934256347
Test Type:	Draw Down
Test Duration:	15
Test Level:	135
Test Level UOM:	ft

Water Details

Water ID:	933791560
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

---

2 ***1 of 1*** ***SW/0.0*** ***404.9 / -1.00*** ***lot 16 con 4 ON*** ***WWIS***

Well ID:	4903625	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Livestock	***Date Received:***	7/20/1971
Sec. Water Use:	Domestic	***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 (CALEDON TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	016
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	HS W
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\4903625.pdf

Bore Hole Information

Bore Hole ID:	10318459	***Elevation:***	404.986999
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	577149.3
Code OB Desc:	Bedrock	***North83:***	4852823
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	4/28/1971	***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:	932042404
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932042406
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	74
Formation End Depth:	82
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932042405
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 74
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964903625
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10867029
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930525995
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 82
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930525994
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 27
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994903625
Pump Set At:
Static Level: 25
Final Level After Pumping: 50
Recommended Pump Depth: 65
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
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: 30

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934785509
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935050009
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934530950
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934256417
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933791659
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 76
Water Found Depth UOM: ft

---

3 | ***1 of 1*** | ***NE/10.2*** | ***411.2 / 5.31*** | ***lot 16 con 4 ON*** | ***WWIS***

Well ID: 4909013
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 245619
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 7/29/2002
Selected Flag: Yes
Abandonment Rec:
Contractor: 7143
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CALEDON TWP)
Site Info:
Lot: 016
Concession: 04
Concession Name: HS W

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\4909013.pdf

Bore Hole Information

Bore Hole ID:	10534190	**Elevation:**	411.893646
DP2BR:	12	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	577412.4
Code OB Desc:	Bedrock	**North83:**	4853253
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/24/2002	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932893956
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932893955
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

Overburden and Bedrock Materials Interval

Formation ID: 932893957
Layer: 3
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 27
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933233592
Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964909013
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11082760
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930533219
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930533220
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930533218
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994909013
Pump Set At:	
Static Level:	13
Final Level After Pumping:	14
Recommended Pump Depth:	25
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934526753
Test Type:	Draw Down
Test Duration:	30
Test Level:	14
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934260442
Test Type:	Draw Down
Test Duration:	15
Test Level:	14
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935045830
Test Type:	Draw Down
Test Duration:	60
Test Level:	14
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934780281
Test Type:	Draw Down
Test Duration:	45

Test Level: 14
Test Level UOM: ft

Water Details

Water ID: 934027521
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 26
Water Found Depth UOM: ft

---

4 | **1 of 1** | **W/17.1** | **405.8 / -0.08** | **lot 17 con 4 ON** | **WWIS**

Well ID: 4907147
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 57295
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: 8/11/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 3317
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CALEDON TWP)
Site Info:
Lot: 017
Concession: 04
Concession Name: HS W
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4907147.pdf

Bore Hole Information

Bore Hole ID: 10321708
DP2BR: 9
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/21/1989
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 406.539916
Elevrc:
Zone: 17
East83: 576840.3
North83: 4852928
Org CS:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932057045
Layer: 3
Color: 3

General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	86
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057049
Layer:	7
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	162
Formation End Depth:	180
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057046
Layer:	4
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	86
Formation End Depth:	97
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057047
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97
Formation End Depth:	141
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057050
Layer:	8
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	180
Formation End Depth:	181
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057044
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057048
Layer:	6
Color:	2
General Color:	GREY
Mat1:	16
Most Common Material:	DOLOMITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	141
Formation End Depth:	162
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932057043
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	

Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 9
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964907147
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10870278
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930530807
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 181
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930530806
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930530808
Layer: 4
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 181
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933360138
Layer: 2
Slot:

Screen Top Depth: 75
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 994907147
Pump Set At:
Static Level: 12
Final Level After Pumping: 125
Recommended Pump Depth: 170
Pumping Rate: 5
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: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935050127
Test Type: Draw Down
Test Duration: 60
Test Level: 125
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934784623
Test Type: Draw Down
Test Duration: 45
Test Level: 125
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934530546
Test Type: Draw Down
Test Duration: 30
Test Level: 125
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934256007
Test Type: Draw Down
Test Duration: 15
Test Level: 125
Test Level UOM: ft

Water Details

Water ID: 933795210

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

Water Details

Water ID:	933795211
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	180
Water Found Depth UOM:	ft

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5 | ***1 of 1*** | ***W/42.0*** | ***406.8 / 0.97*** | ***lot 16 con 5 ON*** | ***WWIS***

Well ID:	4906637	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/21/1987
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4778
Casing Material:		**Form Version:**	1
Audit No:	07390	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CALEDON TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	016
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	HS W
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\4906637.pdf

Bore Hole Information

Bore Hole ID:	10321201	**Elevation:**	407.102935
DP2BR:	18	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	576804
Code OB Desc:	Bedrock	**North83:**	4852922
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/12/1986	**UTMRC Desc:**	margin of error : 10 - 30 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:	932054531
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932054532
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932054533
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65
Formation End Depth:	75
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964906637
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10869771
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930530006
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930530007
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	75
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994906637
Pump Set At:	
Static Level:	18
Final Level After Pumping:	40
Recommended Pump Depth:	50
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935048950
Test Type:	Draw Down
Test Duration:	60
Test Level:	39
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934254787
Test Type:	Draw Down
Test Duration:	15
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 934529368
Test Type: Draw Down
Test Duration: 30
Test Level: 38
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934783453
Test Type: Draw Down
Test Duration: 45
Test Level: 38
Test Level UOM: ft

Water Details

Water ID: 933794643
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 71
Water Found Depth UOM: ft

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6 | **1 of 1** | **ENE/61.0** | **408.9 / 3.00** | **Charleston Side Rd Cataract Rd Caledon ON** | **EHS**

Order No: 20170710308
Status: C
Report Type: Standard Report
Report Date: 17-JUL-17
Date Received: 10-JUL-17
Previous Site Name:
Lot/Building Size: 1.24 Acres
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -80.034483
Y: 43.826952

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7 | **1 of 1** | **ENE/62.6** | **408.6 / 2.69** | **THE REGIONAL MUNICIPALITY OF PEEL ON** | **ECA**

Approval No: A-500-4092823881
Approval Date: 2020-08-25
Status: Active
Record Type: ECA
Link Source: MOFA
SWP Area Name: Credit Valley
Approval Type: ECA-SEWAGE_MUNICIPAL
Project Type: SEWAGE_MUNICIPAL
Address:
Full Address:
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2277441

MOE District: Halton-Peel
City:
Longitude: -80.03444444
Latitude: 43.82694444
Geometry X: -8909393.6015
Geometry Y: 5438700.377499999

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8 | **1 of 1** | **W/78.8** | **407.9 / 2.02** | **lot 19 con 4 ON** | **WWIS**

Well ID: 4906521
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Industrial
Final Well Status: Recharge Well

Data Entry Status:
Data Src: 1
Date Received: 12/22/1986
Selected Flag: Yes
Abandonment Rec:

Water Type:		**Contractor:**	4778
Casing Material:		**Form Version:**	1
Audit No:	NA	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CALEDON TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	019
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	HS W
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\4906521.pdf

Bore Hole Information

Bore Hole ID:	10321086	**Elevation:**	408.14624
DP2BR:	28	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	576787
Code OB Desc:	Bedrock	**North83:**	4852960
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/2/1986	**UTMRC Desc:**	margin of error : 10 - 30 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:	932054067
Layer:	2
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932054069
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 64
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932054066
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932054068
Layer: 3
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 64
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964906521
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10869656
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930529798
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 36
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930529799
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 75
Casing Diameter: 66
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994906521
Pump Set At:
Static Level: 16
Final Level After Pumping: 30
Recommended Pump Depth: 35
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: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935048445
Test Type:
Test Duration: 60
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934528859
Test Type:
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934254267
Test Type:
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934782946
Test Type:	
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933794497
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	66
Water Found Depth UOM:	ft

Water Details

Water ID:	933794498
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

9 ***1 of 1*** ***W/104.8*** ***407.7 / 1.85*** ***lot 17 con 4 ON*** ***WWIS***

Well ID:	4907363	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/25/1990
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2663
Casing Material:		***Form Version:***	1
Audit No:	83459	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CALEDON TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	HS W
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\4907363.pdf

Bore Hole Information

Bore Hole ID:	10321922	***Elevation:***	408.62738
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	576774.3
Code OB Desc:	Bedrock	***North83:***	4852986
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	8/27/1990	***UTMRC Desc:***	margin of error : 10 - 30 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: 932058126
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 90
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932058128
Layer: 5
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 180
Formation End Depth: 200
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932058127
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 100
Formation End Depth: 180
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932058124
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932058125
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964907363
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10870492
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930531144
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	200
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930531143
Layer:	1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994907363
Pump Set At:
Static Level: 70
Final Level After Pumping:
Recommended Pump Depth: 160
Pumping Rate: 5
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: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934785204
Test Type: Recovery
Test Duration: 45
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934531547
Test Type: Recovery
Test Duration: 30
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935051130
Test Type: Recovery
Test Duration: 60
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934257016
Test Type: Recovery
Test Duration: 15
Test Level: 70
Test Level UOM: ft

Water Details

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

Water ID:	933795463
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	180
Water Found Depth UOM:	ft

Water Details

Water ID:	933795464
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	200
Water Found Depth UOM:	ft

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10 | ***1 of 1*** | ***NE/192.6*** | ***412.0 / 6.08*** | ***Caledon Village***
 Caledon Village ON | ***EHS***

Order No:	20190807057	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	27-AUG-19	**Search Radius (km):**	.25
Date Received:	07-AUG-19	**X:**	-80.034788
Previous Site Name:		**Y:**	43.828855
Lot/Building Size:			
Additional Info Ordered:			

Unplottable Summary

Total: 4 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 15 Con 5W	Caledon ON	
AAGR		Lot 16 Con 5W	Caledon ON	
CA		Lot 15 & 16 Charleston Sideroad	Caledon ON	
CA	R.M. OF PEEL	MISSISSAUGA RD. SLOPE STAB.	CALEDON TOWN ON	

Unplottable Report

Site:
Lot 15 Con 5W Caledon ON

Database: ***AAGR***

Type:	Pit
Region/County:	Peel
Township:	Caledon
Concession:	5W
Lot:	15
Size (ha):	0.5
Landuse:	
Comments:	

Site:
Lot 16 Con 5W Caledon ON

Database: ***AAGR***

Type:	Pit
Region/County:	Peel
Township:	Caledon
Concession:	5W
Lot:	16
Size (ha):	0.6
Landuse:	
Comments:	

Site:
Lot 15 & 16 Charleston Sideroad Caledon ON

Database: ***CA***

Certificate #:	2181-4Q8QZ6
Application Year:	00
Issue Date:	10/20/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the Regional Municipality of Peel
Client Address:	10 Peel Centre Drive
Client City:	Brampton
Client Postal Code:	L6T 4B9
Project Description:	watermain construction on Charleston Sideroad
Contaminants:	
Emission Control:	

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

Database: ***CA***

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

Contaminants:
Emission Control:

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 2019

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-Jun 30, 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.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

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 MAN

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

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 - Jun 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-Dec 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Aug 31, 2020

Delisted Fuel Tanks: Provincial DELISTED TANK

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

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 2019

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Aug 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-Aug 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-Aug 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-Jul 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-Apr 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 2017

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-Mar 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-Aug 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-Aug 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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Aug 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-Jul 2020

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jun 30, 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.
The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

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

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

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-Aug 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.

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