Phase I Environmental Site Assessment

14396 Humber Station Road
Bolton, Ontario

Prepared For:

Argo Macville V Corporation
4900 Palladium Way, Unit 105
Burlington, Ontario
L7M 0W7

DS Project No : 22-407-100
Date: 2022-11-10

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1.0 Executive Summary

DS Consultants Ltd. (DS) was retained by Argo Macville V Corporation (the "Client") to conduct a Phase I Environmental Site Assessment (ESA) of the Property located at 14396 Humber Station Road, Bolton, Ontario, herein referred to as the "Phase I Property" or "Site". DS understands that the purpose of this Phase I ESA was to assess potential issues of environmental concern for due diligence purposes in association with the proposed financial transaction of the Site.

This Phase I ESA was conducted in general accordance with the Canadian Standards Association (CSA) document entitled *"Phase I Environmental Site Assessment, CSA Standard Z768-01"* dated November 2001 (reaffirmed 2016), including a review of readily-available historical records and regulatory records, a Site reconnaissance, interviews, and an evaluation of the information obtained, summarized herein. The Phase I ESA is subject to the limitations stated in Section 8.2 of this report.

The Phase I Property is a 0.4065 hectare (1.004 acres) parcel of land situated within a rural neighbourhood in the Town of Bolton, Ontario. The Phase I Property is located approximately 1.2 km northwest of the intersection of Humber Station Road and King Street, and was occupied by a single family residential building at the time of this investigation.

For the purposes of this report, Humber Station Road is assumed to be aligned in a northwest-southeast orientation, and King Street in a southwest-northeast orientation.

Based on the records reviewed as part of the Phase I ESA, DS presents the following findings:

- The topography on the Phase I Property is generally flat with a surficial elevation of 269 metres above sea level (masl) at the southwestern portion to 266 at the northeastern portion and a slight slope to the northeast. Based on the local topography, the shallow groundwater flow direction is inferred to be north towards a tributary of the Humber River, which is located approximately 150 metres north of the Phase I Property. Long term groundwater monitoring would be required in order to confirm the direction of groundwater flow on the Phase I Property;
- Based on a review of the OGS Earth database, the Phase I Property is situated with a drumlinized till plains physiographic region. The overburden (surficial geology) in the vicinity of the Phase I Property is described as "clay to silt-textured till derived from glaciolacustrine deposits or shale", and the bedrock geology within the Phase I Study Area is described as shale, limestone, dolostone, and siltstone of the Queenston formation. Based on a review of the MECP well records, the bedrock underlying the Phase I Property is anticipated at depths greater than 65 metres below ground surface (mbgs);
- The Phase I Property was historically used for agricultural purposes until 1973. The Phase I Property was subsequently used for residential purposes until present. No fuel oil tank or evidence of former fuel oil use on-Site was observed.

- The properties surrounding the Site appear to have been used for agricultural and residential purposes since the mid 1940s. No significant potential environmental concerns were identified with respect to the adjacent land uses.

No potentially contaminating activities were identified with respect to the historical use of the property. Based on the findings of this investigation, no further investigation is recommended at this time.

Due to the age of the house, there is potential for asbestos containing materials to be present. A designated substances survey should be completed prior to any future demolition works, in the event that the property is redeveloped.

2.0 Introduction

DS Consultants Ltd. (DS) was retained by Argo Macville V Corporation to complete a Phase I Environmental Site Assessment (ESA) of the Property located at 14396 Humber Station Road, Bolton, Ontario, herein referred to as the "Phase I Property" or "Site". DS understands that the purpose of this Phase I ESA was to assess potential issues of environmental concern for due diligence purposes in association with the proposed acquisition of the Site.

The information obtained by the Phase I ESA will be used to assess whether further investigation in the form of a Phase II ESA is merited. It should be noted that this Phase I ESA does not include any sampling or testing and is based solely on a review of readily available data, and observations made during the Phase I Site Reconnaissance.

2.1 Phase I Property Information

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

Table 2-1: Phase I Property Information

Criteria	Information	Source
Legal Description	PT LT 12 CON 4 ALBION AS IN V3284721; CALEDON	Land Registry Office
Property Identification Number (PIN)	14329-0036	Land Registry Office
Municipal Address	14396 Humber Station Road, Bolton, Ontario	Land Registry Office
Zoning	Agricultural	Town of Caledon Official Plan
Property Owner	Lloyd Ambrose and Ruth Jeannette Mason	Land Registry Office
Property Owner Contact Information	Jeannette Mason 14396 Humber Station Road Bolton, Ontario, L7E 0Z9 Phone: 905-857-0771	Interview Questionnaire
Current Site Occupants	Residential Owner – Jeannette Mason	Interview
Site Area	0.4065 hectares (1.004 acres)	Land Registry Office

2.2 Site Description

The Phase I Property is a rectangular 0.4065 hectare (1.004 acres) parcel of land situated within a rural neighbourhood in the Town of Bolton, Ontario. The Phase I Property is located approximately 1.2 km northwest of the intersection of Humber Station Road and King Street, and was developed with a single storey house with one (1) level of basement. A septic system is located to the west of the house and a water supply well to the east of the house. A Site Location Plan is provided in Figure 1 and a Phase I Property plan is provided in Figure 2.

For the purposes of this report, Humber Station Road is assumed to be aligned in a northwest-southeast orientation, and King Street in a southwest-northeast orientation. A Plan of Survey for the Phase I Property was not provided at this time.

The Property currently includes a one-storey brick residential house with a gravel laneway. A Site Plan depicting the orientation of the buildings on-site is provided in Figure 2.

3.0 Scope of Investigation

This Phase I ESA was conducted in general accordance with the Canadian Standards Association (CSA) document entitled *"Phase I Environmental Site Assessment, CSA Standard Z768-01"* dated November 2001 (reaffirmed 2016). The investigation included the following:

- A review of reasonably ascertainable records and reports regarding historical and current use, regulatory information, occupancy, and activities for the Phase I Property, including:
  - Physical setting information such as aerial photographs, topographic mapping, available historical maps and drawings;
  - Company records (e.g., site plans, building plans, permit records, production and maintenance records, asbestos surveys, site utility drawings, emergency response and contingency plans, spill reporting plans and records, inventories of chemicals and their usage (e.g. WHMIS), environmental monitoring data, waste management records, inventory of underground and aboveground tanks, environmental audit reports) provided to DS;
  - Geological and hydrogeological information in published government maps and/or reports;
  - A review of information on file with Ecolog ERIS, a commercial database that provides information from numerous private, provincial, and federal environmental databases/registries;
  - Review of fire insurance plans, municipal directory documentation and available environmental reports that are pertinent to the Phase I Property;
  - Regulatory Information, including such as Permits or Certificates of Approval (pertaining to activities that may impact the condition of the property, orders, control orders, or complaints related to environmental compliance that may impact the condition of the property, and violations of environmental statutes, regulations, by-laws, and permits that may impact the condition of the property;
  - Environmental source information including published and online records from Ministry of Environment, Conservation and Parks (MECP), Environment Canada, Technical Standards and Safety Authority (TSSA); and
  - The Ontario Ministry of Natural Resources (MNR) Natural Heritage Information Centre database and the Conservation Authority website for information specific to natural areas, such as locations of environmentally sensitive areas or species.

- Interviews with available individuals having knowledge of current and/or past site activities;
- An inspection of the Phase I Property, and the activities on the adjacent properties, including and assessment of the following:
  - The site operations, processes, and waste management currently carried out on the Phase I Property.
  - The neighbouring land uses (i.e. identification of environmentally sensitive neighbours, as well as an assessment of potential off-site sources of contamination);
  - The source of potable water for the Phase I Property and adjoining properties;
  - The potential presence of existing or former above-ground or underground fuel storage tanks (ASTs or USTs);
  - Possible cut and fill operations that may resulted in the importation of fill material of unknown quality;
  - The presence/absence of floor cracks, hydraulic hoists, elevators, sumps and drains;
  - Areas suspected to contain evidence of surficial and sub-surface impacts (e.g. areas of staining);
  - The potential presence of various Designated Substances and building materials including:
    - Friable and non-friable asbestos
    - Urea formaldehyde foam insulation (UFFI)
    - Chlorofluorocarbons (CFCs) in air conditioning and refrigeration equipment
    - PCB-containing materials and electrical equipment
    - Lead-based paint
    - Mould
  - The presence/absence of wells, pits and lagoons, drainage sumps and floor drains, sewage and wastewater disposal pipelines; and
  - General site conditions, including topography and drainage, standing water, right-of-ways, presence of underground utilities, evidence of stained or odorous soils, and stressed vegetation.
- Evaluation of the information and documentation of the results in the form of a Phase I ESA Report.

The objectives of the Phase I ESA are:

1. To assess the environmental condition of the Phase I Property to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in, or under the Phase I Property;
2. To identify potentially contaminating activities within the Phase I Study Area (i.e., areas within 250 m of the Property), and to assess if Areas of Potential Environmental Concern (APECs) exist on the Phase I Property;
3. To identify the Potential Contaminants of Concern associated with the PCAs identified; and
4. To provide a basis for subsequent investigation, if required, based on the findings of the Phase I ESA.

4.0 Records Review

4.1 General

4.1.1 Phase I Study Area Determination

Based on a review of the available historical records and the observations made during the Phase I Site Reconnaissance, no heavy industrial properties or other relevant potentially contaminating activities were observed which were considered to merit expanding the Phase I Study Area. As such the Phase I Study Area was defined by a 250 meter radius around the Phase I Property boundary.

The properties within Phase I Study Area generally consist of residential and agricultural land uses. An assessment of the historical and current use of all properties within the Phase I Study Area was conducted to assess for the presence/absence of potentially contaminating activities.

4.1.2 First Developed Use Determination

The first developed use of the Phase I Property is considered under O.Reg. 153/04 (as amended) to be either the first use of the Phase I Property in or after 1875 that resulted in the development of a building or structure on the property, or the first potentially contaminating use or activity on the Phase I Property.

The determination of the first developed use of the Phase I Property was based on a review of available aerial photographs, historical maps, fire insurance plans, city directories, and interviews. Based on the information obtained, the first developed use of the Phase I Property was for residential purposes, and occurred in 1974.

4.1.3 Fire Insurance Plans

Fire insurance plans were prepared between 1875 and 1923 and revised in some areas until the 1970s. Opta Information Intelligence (Opta) was retained to obtain copies of available FIPs for the Site and adjoining properties, as well as Property Underwriter's Reports (PURs) and Property Underwriter's Plans (PUPs) related to the Site. Opta responded on November 3, 2022, indicating that

there were no records available for the Site. A copy of the Opta response is provided under Appendix **A**.

4.1.4 Environmental Reports

No previous reports were provided by the client to DS for review.

4.1.5 City Directories

City Directories for the years 1966 to 2001 were acquired from ERIS and reviewed by DS. No listings were found for the Phase I Property or within the Phase I Study Area from 1966 to 2001. A summary of the City Directory listings reviewed has been included under Appendix B.

4.2 Environmental Source Information

4.2.1 Ecolog Eris Report

EcoLog Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information.

DS contacted EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS), an environmental database and information service company, to request a search of government and private records for information pertaining to the Phase I Property and Phase I Study Area. EcoLog searched 15 Federal databases, 37 Provincial databases and 10 private databases. A summary of the databases provide by ERIS is provided in the Table below:

Table 4-1: Summary of Environmental Databases Reviewed

Federal Government Source Databases	Private Source Databases
• Contaminated Sites on Federal Land; • Environmental Effects Monitoring; • Environmental Issues Inventory System; • Federal Convictions; • Fisheries & Oceans Fuel Tanks; • Indian & Northern Affairs Fuel Tanks; • National Analysis of Trends in Emergencies System (NATES); • National Defense & Canadian Forces Fuel Tanks; • National Defense & Canadian Forces Spills; • National Defense & Canadian Forces Waste Disposal Sites; • National Environmental Emergencies System (NEES); • National PCB Inventory; • National Pollutant Release Inventory; • Parks Canada Fuel Storage Tanks; and • Transport Canada Fuel Storage Tanks.	• Anderson's Storage Tanks; • Anderson's Waste Disposal Sites; • Automobile Wrecking & Supplies; • Canadian Mine Locations; • Canadian Pulp and Paper; • Chemical Register; • ERIS Historical Searches; • Oil and Gas Wells; • Retail Fuel Storage Tanks; and • Scott's Manufacturing Directory.
Provincial Government Source Databases	

• Abandoned Aggregate Inventory; • Abandoned Mine Information System; • Aggregate Inventory; • Borehole; • Certificates of Approval; • Certificates of Property Use; • Commercial Fuel Oil Tanks; • Compliance and Convictions; • Drill Hole Database; • Environmental Activity and Sector Registry; • Environmental Compliance Approval; • Environmental Registry; • Fuel Storage Tank; • Fuel Storage Tank – Historic; • Inventory of Coal Gasification Plants and Coal Tar Sites; • TSSA Historic Incidents; • TSSA Incidents; • TSSA Pipeline Incidents; • TSSA Variances for Abandonment of Underground Storage Tanks;	• Inventory of PCB Storage Sites; • Landfill Inventory Management Ontario; • List of TSSA Expired Facilities; • Mineral Occurrences; • Non-Compliance Reports; • Ontario Oil and Gas Wells; • Ontario Regulation 347 waste Generators Summary; • Ontario Regulation 347 Waste Receivers Summary; • Ontario Spills; • Orders; • Permit to Take Water; • Pesticide Register; • Private and Retail Fuel Storage Tanks; • Record of Site Condition; • Waste Disposal Sites – MECP 1991 Historical Approval Inventory; • Waste Disposal Sites – MECP CA Inventory; • Wastewater Discharger Registration Database; and • Water Well Information System

The ERIS report indicated that there was one (1) listing for the Phase I Property, and seven (7) listings for the remaining properties within the Phase I Study Area. A copy of the ERIS report has been provided under Appendix C. A summary of the potentially contaminating activities identified in the ERIS report and other pertinent information is provided in the Table below:

Table 4-2: Summary of ERIS Report Findings on the Phase I Property

Database/Date	Entry Details
Borehole (BORE)	One borehole was listed on the northeast portion of the Phase I Property.

Table 4-3: Summary of ERIS Report Findings within the Phase I Study Area

Database/Date	Entry Details
Ontario Spills (SPL)	In 2012, a record for a spill of 30L of suspected PCB-containing oil to soil was listed for 14361 Humber Station Road, located approximately 77 m east and at a lower elevation to the Site.
Water Well Information System (WWIS)	Six (6) well records were listed within the Phase I Study Area: - 4 domestic water wells - 2 monitoring wells

4.2.2 Ministry of the Environment- Freedom of Information

A request was submitted to the MECP Freedom of Information and Protection of Privacy Office (Appendix D) to determine if there were any environmental incidents or violations associated with the Phase I Property; whether any Control Orders have been issued; whether there have been any other environmental concerns associated with the property such as complaints, inspections, etc.;

whether any environmental investigations have been carried out regarding the subject property; and, to determine if the Ministry's Spills Action Centre's (SAC's) files contain any reported spills that had occurred in the Site vicinity. Note that the SAC's database dates back only to 1988 and many of the occurrences on file have only been reported voluntarily. In addition, the MECP was requested to search their files (all years) regarding the following parameters: air emissions, water, sewage, wastewater and pesticides.

Files pertinent to this investigation would include, though are not limited to: regulatory permits, records; material safety data sheets; underground utility drawings; inventories of chemicals, chemical usage and chemical storage areas; inventory of aboveground storage tanks and underground storage tanks; monitoring data, including that done at the request of the MECP; historical and current waste management, receiver and generator records; process, production and maintenance documents related to areas of potential environmental concern; spills/discharge records; emergency and contingency plans; environmental audit reports; site plan of facility showing areas of production and manufacturing.

A response from the MECP dated November 7, 2022, is included in Appendix D. The response indicated that no records were located for the Phase I Property.

4.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) maintain records related to storage tanks for petroleum related products. The TSSA was contacted to review records related to the Property and Study Area. According to the response received on November 2, 2022 from Ms. Kim of TSSA, no records were found for the Phase I Property and properties located in the Phase I Study Area.

A copy of the correspondence with the TSSA has been appended under Appendix D.

4.2.4 Areas of Natural and Scientific Interest

The Natural Heritage Areas database published by the Ministry of Natural Resources (MNR) was reviewed in order to identify the presence/absence of areas of natural significance including provincial parks, conservation reserves, areas of natural and scientific interest, wetlands, environmentally significant areas, habitats of threatened or endangered species, and wilderness areas. The regional and municipal Official Plans (Town of Caledon and Municipality of Peel) were also reviewed as part of this assessment.

A review of these databases indicated the Eastern Meadowlark and Bobolink as threatened species within 1 km of the Site.

According to the MNRF, the Eastern Meadowlark and Bobolink inhabit tall grasslands such as hayfields. The Site is located within a rural/agricultural area, therefore it is possible that viable habitat is present.

An unevaluated wetland was present approximately 92 m north of the Site within a natural heritage system, and a provincially significant wetland was present approximately 100 m west of the Site.

If required, an environmental specialist could be retained to undertake a site-specific ecological assessment, however at this time further assessment is not warranted.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs and Historical Mapping

The County Atlas of York was reviewed to provide a more historical image from the year 1880. Aerial Photographs for the years 1946, 1960, 1974 and 1985 were obtained from EcoLog ERIS and reviewed by DS as part of this assessment. Google Earth was used to review satellite imagery from the years 2004, 2015, and 2021. The supporting documents have been appended under Appendix E.

A summary of pertinent information obtained from the aerial photographs reviewed is presented in the Table below.

Table 4-4: Summary of Aerial Photographs

Year	Phase I Property	Phase I Study Area
1880	Based on the 1880 Caledon County Atlas, the Site was owned by JHRW & TTT Newlove and appears to be undeveloped or used for agricultural purposes.	North: An orchard was present approximately 70 m to the north of the Property. East: Humber Station Road appears to have been constructed adjacent to the Site. An orchard is located approximately 70 m southeast of the Site. South: Appears to be undeveloped or used for agriculture. West: Appears to be undeveloped or used for agriculture.
1946 1960	The Site appears to be undeveloped and used for agricultural purposes.	North: A railway appears approximately 95 m north of the Site. South: Appears to be used for agricultural purposes. East: Appears to be used for agricultural purposes. West: Appears to be used for agricultural purposes. A farm appears on a property northwest of the Site.
1974	The soil on central portion of Site appears to have been disturbed and a laneway is visible on the northwest boundary.	North, South and West: No Significant change. East: Building structure appear to the property east of the Site, and a laneway appears adjacent to the east boundary.
1985	A house appears on the central portion of the Property.	South and West: No Significant change. North: Properties to the north appear to have to have been developed. East: Properties to the east appear to have residential houses.
2004 2015 2021	No significant changes.	No significant changes.

4.3.2 Topography, Hydrology, Geology

The topography of the Phase I Property is generally sloped to the north, with a surface elevation of 269 metres above sea level (masl) at the south portion and 266 masl at the north portion of the Site. The topography within the Phase I Study Area generally slopes to the north, towards the Humber River located approximately 555 m north of the Phase I Property. The nearest body of water is a tributary of the Humber River, located approximately 150 m north of the Phase I Property. Based on a review of the MECP well records, the depth to groundwater in the vicinity of the Phase I Property is approximately 10 m. The shallow groundwater flow direction within the Phase I Study Area is inferred to be north towards Humber River.

Based on a review of the OGS Earth database, the Phase I Property is situated with a drumlinized till plains physiographic region. The overburden (surficial geology) in the vicinity of the Phase I Property is described as "clay to silt-textured till derived from glaciolacustrine deposits or shale", and the bedrock geology within the Phase I Study Area is described as shale, limestone, dolostone, and siltstone of the Queenston formation. Based on a review of the MECP well records, the bedrock underlying the Phase I Property is anticipated at depths greater than 65 metres below ground surface (mbgs).

4.3.3 Fill Materials

No evidence of significant placement of fill material was identified.

4.3.4 Water Bodies and Areas of Natural Significance

During the site visit, standing water was not observed on the Phase I Property. The nearest body of water to the Phase I Property is a tributary of the Humber River, located approximately 92 m to the north of the Site. Environmentally Significant Areas are natural areas that have been identified as significant and worthy of protection on three criteria – ecology, hydrology and geology. Municipalities has developed policies to protect natural heritage features. The Region uses Environmentally Significant Areas as a means to protect natural areas like wetlands, fish habitat, woodlands, habitat of rare species, groundwater recharge and discharge areas, and Areas of Natural and Scientific Interest.

The Phase I Property includes no Areas of Natural Significance. There are two (2) wetlands within the Phase I Study Area, and a natural heritage system, located approximately 92 m north of the Site. Additionally, the Site may contain potential habitat for two (2) threatened species, the Eastern Meadowlark and the Bobolink. Additional details are provided in Section 4.2.4 above.

4.3.5 Well Records

Water well records were also searched as part of the EcoLog ERIS database query. No records were available for the Phase I Property. Based on a review of the MECP Well Records, six (6) wells were

identified within the Phase I Study Area: four (4) domestic water supply wells and two (2) monitoring wells.

Additional detail regarding the well construction, lithology encountered, and well purpose is included in the ERIS report provided under Appendix C.

4.4 Site Operating Records

The Phase I Property has mainly been used for residential purposes. No operating records were available.

5.0 Interviews

5.1 Personnel Interviewed

The following persons with the knowledge of the Property were interviewed or provided the required information.

Table 5-1: Summary of Personnel Interviewed

Date	Name	Affiliation	Position	Method of Interview
November 2, 2022	Jeannette Mason	Owner	Phase I Property Owner	Email and In-person Questionnaire

5.2 Interviewee Rationale

Mrs. Mason is the current owner of the Site, and have been responsible for site operations since 1973. Mrs. Mason is considered to be the most knowledgeable person regarding the historical site operations. The Phase I Interview was conducted by Ms. Norina Paolucci, B.E.S., EPt, under the supervision of Mr. Efuange Khumbah, M.Sc., P.Eng., QP_{ESA}.

5.3 Results of Interview

The following summarizes the information that was provided by the site representative, based on their knowledge of site activities.

- The Phase I Property has been owned by Ms. Jeannette Mason since 1973.
- According to Ms. Mason the Property has been used as a residential property since acquisition and was formerly used as farmland.
- Ms. Mason confirmed a septic tank is located in back (to the west) of the building, and a domestic well in front (east) of the building.
- Underground utility services are buried along the south (Bell) and north (Hydro) sides of the laneway.
- Ms. Mason indicated that gravel is placed on the laneway.
- Ms. Mason was unaware of any fires or chemical spills on the Phase I Property.

DS compared the information obtained through the Phase I Interview with the information obtained from the historical records for the Site. The information provided by the interviewee was corroborated by the historical records, as such DS has no concern regarding the accuracy of the information provided.

6.0 Site Reconnaissance

6.1 General Requirements

Table 6-1: Site Reconnaissance Notes

Information	Details
Date of Investigation:	November 2, 2022
Time of Investigation:	10 to 12 AM
Weather Conditions:	10^0 C partly cloudy
Duration of Investigation:	2 Hours
Facility Operation	Residential property
Name and Qualification of Person(s) conducting the assessment	Norina Paolucci, B.E.S., EPt, under the supervision of Efuange Khumbah, M.Sc., P.Eng., QP_{ESA}
Limitations	No limitations

6.2 Specific Observations at Phase I Property

The Site Reconnaissance involved a visual assessment of the Phase I Property for the purpose of identifying potential PCAs, and associated APECs. Photographs of the Phase I Property were taken at the time of the Site Reconnaissance, and have been included under Appendix F.

Table 6-2: Summary of Site Reconnaissance Observations

General		
i.	Description of structures and other improvements, including the number and age of buildings	One (1) residential dwelling is on the Phase I Property (Site Building)
ii.	Description of the number, age and depth of below-ground structures	A bungalow style residential dwelling with a below-grade structure.
iii.	Details of all tanks, above and below ground at the Phase I Property, including the material and method of construction of the tank, tank age, tank contents, tank volume, and whether in use or not	One (1) water heater tank was observed in the basement of Phase I Property. There is no fuel or evidence of fuel tank at the Site
iv.	Potable and non-potable water sources	Potable water supply – a well is located to the east of the Site Building.
Underground Utilities and Corridors		
i.	Type and location of underground utility and service corridors, such as sewer, water, electrical or gas lines located on, in or under the Phase I Property.	Underground utility services are buried along the south (Bell) and north (Hydro) sides of the laneway.
Features of Structures and Buildings at the Phase I Property		
i.	Entry and exit points	Northeast side of the building, and southwest side of the building.

ii.	Details of existing and former heating systems, including type and fuel source	Electrical baseboard heaters are used in the building and hot water tank is present in the basement.
iii.	Details of cooling systems, including type and fuel source, if any	None observed.
iv.	Details of any drains, pits and sumps, including their current use, if any, and former use	A sump is located in the basement of the building.
v.	Details of any unidentified substances	None observed.
vi.	Details, including locations of strains or corrosion on floors other than from water, where located near a drain, pit, sump, crack or other potential discharge location	None observed.
vii.	Details, including locations, of current and former wells, including all wells described or defined in or under the *Ontario Water Resources Act* and the *Oil, Gas and Salt Resources Act*	One (1) domestic well is situated on the southwest of the residential Property front yard.
viii.	Details of sewage works, including their location	One (1) septic system is located in the west of the Site building.
ix.	Details of ground surface, including type of ground cover, such as grass, gravel, soil or pavement	The ground surface consisted of grassland and the driveway is unpaved and covered with gravel.
x.	Details of current or former railway lines or spurs and their locations	Railway lines run northwest of Humber Station Road approximately 218 meters of Phase I Property.
xi.	Areas of stained soil, vegetation or pavement	Two (2) piles of vegetated grassland, twigs and debris were located in the western portion of the Phase I Property.
xii.	Stressed vegetation	None observed.
xiii.	Areas where fill and debris materials appear to have been placed or graded	None observed.
xiv.	Potentially contaminating activity	None observed.
xv.	Details of any unidentified substances found at the Phase I Property	None observed.
Enhanced Investigation Property		
Where subsection 13(3) applies to the Phase I Property, provide the documentation referred to in subsection 13(3)		In order to be classified as an enhanced investigation property, the Phase I Property must be used or have been used in whole or in part for any of the following uses: ◆ Any industrial use ◆ As a garage ◆ As a bulk liquid dispensing facility, including a gasoline outlet ◆ For the operation of dry cleaning equipment There is no indication in the historical records of the Phase I Property being used for any of the aforementioned uses, and as such the Phase I Property is not considered an enhanced investigation property.
Hazardous Materials		
i.	Asbestos containing materials	Asbestos and asbestos-containing materials were used as insulation and construction materials until being phased out in the late 1970s. Based on the age of the site building, which was constructed in the mid-1970s, there is a potential for asbestos insulation and asbestos-containing construction materials to be present in the site building.

ii.	Lead containing materials	The use of lead as a base in paints and plumbing solder was phased out in the late 1970s. Based on the age of the building of the mid-1970s, there is a potential for lead solder and paint to be present in the site building.
iii.	PCB materials and equipment	Prior to the mid- to late-1970s, PCBs were used in the manufacture of electrical equipment, including fluorescent light ballasts. The Property was constructed in the mid-1970s; therefore PCBs are likely present in the house.
iv.	Urea Formaldehyde Foam Insulation (UFFI)	Urea-Formaldehyde Foam Insulation (UFFI) was introduced in Canada during the 1970s and was banned in 1980. No record of UFFI was available for the subject building. No older foam insulation was noted in the building; therefore, the potential for UFFI to be present on the property is considered to be low.
v.	Ozone Depleting Substances (ODS)	Equipment containing ODS was not observed, however could be present in the kitchen area.
vi.	Herbicides and Pesticides	None observed.
vii.	Mould	Mould could be present; however no mould was observed. The investigation, did not include a mould testing.
viii.	Mercury	Based on the age of the building, there is potential for mercury to be present in fluorescent lights observed in the residential structure. Mercury with small quantity could be present inside the electrical switches or thermostats observed in the units of the building.
ix.	acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, silica, vinyl chloride	These items were not observed at the Property. The presence of the special attention items in building/construction materials were investigated through observations made by DSCL and does not necessarily imply adverse impact to the environmental condition of the property.
x.	Pits and Lagoons	None observed.
xi.	Air Emissions	None observed.
xii.	Radioactive Materials & Radon Gas	Based on local geological formations in the area, it is unlikely the site is exposed to natural sources of radiation such as radon or uranium. Manmade sources of radioactive materials were not observed during the site inspection. A radiometric survey was not conducted during this investigation.

6.3 Written Description of Investigation

The site reconnaissance included a visual inspection of the Phase I Property to confirm current conditions and identify any current land uses or activities, which may have or may cause environmental impacts. The adjoining and neighbouring properties were observed from the Phase I Property and publicly accessible areas.

At the time of the Site Reconnaissance the land use within the Phase I Study Area was primarily residential and agricultural, as described in the table below:

Table 6-3: Summary of Site Reconnaissance Observations within Phase I Study Area

Observation	Details
Phase I Property	The Phase I Property was developed with a single-family residential building. The orientation of the Site Building is depicted on Figure 2.

Observation	Details
North Adjacent Property	The north adjacent Property was a corn field and was used for agricultural purposes.
East Adjacent Property	The east adjacent Property is Humber Station Road followed by an agricultural field.
South Adjacent Property	The south adjacent Property was a residential dwelling, used for residential purposes.
West Adjacent Property	The west adjacent Property was a corn field and was used for agricultural purposes.
Water Bodies	A tributary of the Humber River is located approximately 92 m north of the Site.
Areas of Natural Significance	A wetland and natural heritage system is located approximately 92 m north of the Site, and a provincially significant wetland is located approximately 100 m west of the Site. Refer to Section 4.2.4.

Photographs illustrating the Phase I Property and adjacent properties are provided under Appendix F.

7.0 Conclusions

DS conducted a Phase I ESA for the property located at 14396 Humber Station Road, Bolton, Ontario. The objectives of the Phase I ESA was to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase I Property and/or within the Phase I Study Area, and to determine if the PCAs identified within the Phase I Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase I Property.

The records reviewed indicated that the Site has historically been used for agricultural purposes, but has been used for residential purposes since 1973. No potentially contaminating activities were identified were identified with respect to the historical use of the property. Based on the findings of this investigation, no further investigation is recommended at this time.

Due to the age of the house, there is potential for asbestos containing materials to be present. A designated substances survey should be completed prior to any future demolition works, in the event that the property is redeveloped.

7.1 Limitations

This report was prepared for the sole use of Argo Macville V Corporation and is intended to provide an assessment of the environmental condition on the property located at 14396 Humber Station Road, Bolton, Ontario. The information presented in this report is based on information collected during the completion of the Phase I Environmental Site Assessment by DS Consultants Ltd. The material in this report reflects DS' judgment in light of the information available at the time of report preparation. This report may not be relied upon by any other person or entity without the written authorization of DS Consultants Ltd. The scope of services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this

documents or findings, conclusions and recommendations represented herein, is at the sole risk of said users.

The information and conclusions presented in this report are professional opinions in accordance with generally accepted engineering and scientific practices based on a cursory historical search, visual observations and limited information provided by persons knowledgeable about past and current activities on this site. The work completed as per the scope of work is considered sufficient in detail to form a reasonable basis for the findings presented in this report. As such, DS Consultants Ltd. cannot be held responsible for environmental conditions at the site that was not apparent from the available information.

7.2 Qualifications of the Assessors

Ms. Megan Bender, B.E.S, Ept

Ms. Bender is an Environmental/Geotechnical Technician with DS Consultants Ltd. Megan holds a Bachelor's degree in Environmental Studies, specializing in environmental assessments, and a minor in geography from the University of Waterloo and a Post Graduate Certificate in Environmental Engineering Applications from Conestoga College. Megan is registered as an Environmental Professional in training (Ept) with ECO Canada. Megan has been involved with Phase One and Phase Two Environmental Site Assessments, data interpretation and reporting, and geotechnical projects.

Mr. Efuange Khumbah, M.Sc., P. Eng., QP$_{ESA}$

Efuange is a Senior Project Manager, providing environmental services at DS Consultants Ltd. He is a registered professional engineer, in the provinces of Ontario. With over 13 years working for the public and private sectors, Efuange has experience serving clients in constructional, financial institutions, insurance companies, legal firms, manufacturing industries, oil/gas/petrochemical as well as municipal, provincial and federal agencies. In Canada he has managed projects in British Columbia, Alberta, Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, and Newfound land. His area of expertise includes, environmental site assessment, soil and groundwater remediation, litigation support, excess soil management, senior review of environmental reports, and air quality monitoring. Reports prepared by Efuange have been published by the Town of Newmarket, City of Mississauga, and the Ontario Ministry of Environment Conservation and Parks. Efuange hold a M.Sc. degree in Environmental Science and Resource management.

Mr. Patrick (Rick) Fioravanti, B.Sc., P.Geo., QP$_{ESA}$

Mr. Patrick Fioravanti, B.Sc., P.Geo., QPESA is the Manager of Environmental Services with DS Consultants Ltd. Patrick holds an Honours Bachelor of Science with distinction in Toxicology from the University of Guelph and is a practicing member of the Association of Professional Geoscientists of Ontario (APGO). Patrick has over ten years of environmental consulting experience and has conducted and/or managed hundreds of projects in his professional experience. Patrick has

extensive experience conducting Phase One and Phase Two Environmental Site Assessments in support of brownfields redevelopment in urban settings, and been involved in numerous remediation projects, supported many risk assessments, and successfully filed Records of Site Condition with the Ministry of Environment, Conservation and Parks. He has successfully implemented emerging technologies including contaminant forensics and high-resolution site characterization investigation. He has conducted work across southern and eastern Ontario, and Quebec in his professional experience. Patrick is considered a Qualified Person to conduct Environmental Site Assessments as defined by Ontario Regulation 153/04 (as amended).

7.3 Signatures

DS Consultants Ltd. conducted this Phase I Environmental Site Assessment and confirms the findings and conclusions contained within this report.

Yours truly,

DS Consultants Ltd.

Prepared By:

Megan Bender, B.E.S., EPt
Environmental/Geotechnical Technician

Reviewed By:

Efuange Khumbah, M.Sc., P.Eng., QP_{ESA}
Senior Environmental Project Manager

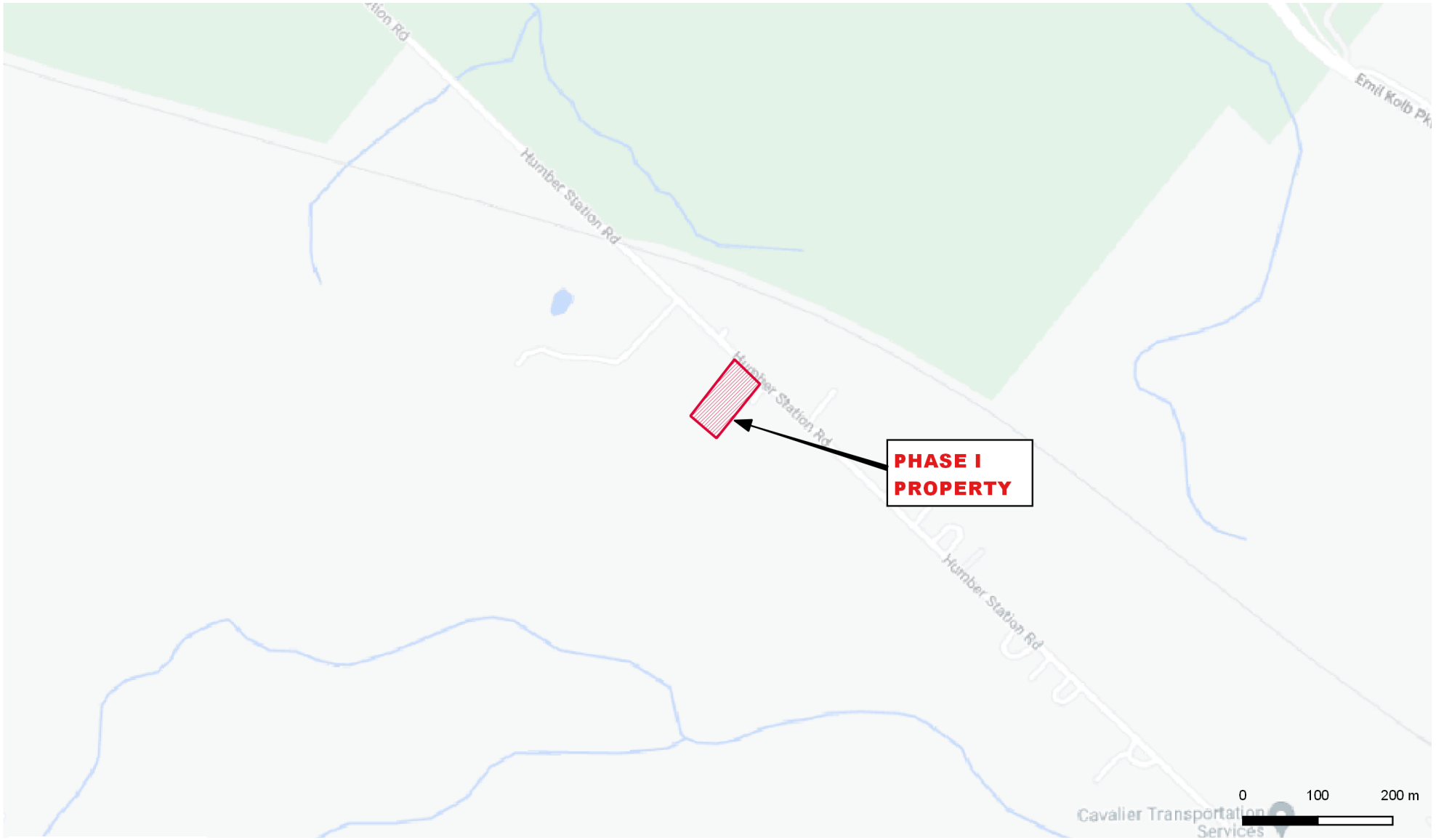
Patrick M. Fioravanti, B.Sc., P.Geo., QP_{ESA}
Manager, Environmental Services

8.0 References

- Canadian Standards Association (CSA) Document Z768-01 Phase I Environmental Site Assessment, Nov. 2001
- Ontario Regulation 153/04 Records of Site Condition — Part Xv.1 of The Act
- Natural Resources Canada Toprama http://atlas.gc.ca/toporama/en/index.html
- Environment Canada, National Pollutant Release Inventory
- Ontario Ministry of the Environment Hazardous Waste Information Networkhttps://www.hwin.ca/hwin/
- Ontario Ministry of the Environment, Certificate of Approval search
- Ontario Ministry of the Environment, Brownfields Environmental Site Registry https://www.ontario.ca/page/ministry-environment-and-climate-change
- Ontario Ministry of the Environment, Inventory of Coal Gasification Plan Waste Sites in Ontario, 1987
- Ontario Ministry of the Environment, Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, 1998
- Ontario Ministry of the Environment, Inventory of PCB Storage Sites, 1994-2004
- Waste Disposal Site Inventory, 1991
- Ministry of Ontario and Climate Change-Freedom of Information
- Technical Standards and Safety Authority – Fuel Safety Division inquiry
- Ontario Geological Survey, 2013. Quaternary Geology of Ontario. Ontario Geological Survey, scale 1:100,000.
- Ontario Ministry of Northern Development and Ontario Geological Survey, 1991. Bedrock Geology of Ontario, Southern Sheet; Ontario Geological Survey, Map 2544, scale 1:1,000,000.
- Ontario Ministry of Natural Resources. Quaternary Geology of Toronto and Surrounding Area. Scale 1:100,000. Map number 2204.
- Historical Maps, aerial photos and Ontario Base Map
- City Directories from 2001 back to 1900
- City of Toronto online-services
- Environmental Risk Information Services (Ecolog ERIS Report)
- Municipality of Peel Official Plans https://www.peelregion.ca/officialplan/review/draft-policies/
- Town of Caledon Official Plans https://www.caledon.ca/en/town-services/official-plan.aspx

Figures

J:\-GIS\000-2022 Projects\22-407-100 - 14396 Humber Station Road, Bolton, ON\1-QGIS\Phase I\Figure 1 - Site Location Plan.qgs Nov-03 09:33



Legend

Property Boundary

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE I ENVIRONMENTAL SITE ASSESSMENT
14396 Humber Station Road, Bolton, ON.

Title: **SITE LOCATION PLAN**

N

Client: ARGO MACVILLE V CORPORATION

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	E.K.	P.P	November 2022
Rev: 0	Scale: As Shown	Project No.: 22-407-100	Figure No.: 1

Image/Map Source: *Google Streetmap Image*

J:\-GIS\000-2022 Projects\22-407-100 - 14396 Humber Station Road, Bolton, ON\1-QGIS\Phase I\Figure 2 - Phase I Property Site Plan.qgs Nov-03 09:27

Legend

- Property Boundary
- Septic Tank
- Well

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: PHASE I ENVIRONMENTAL SITE ASSESSMENT
14396 Humber Station Road, Bolton, ON.

Title: **PHASE I PROPERTY SITE PLAN**

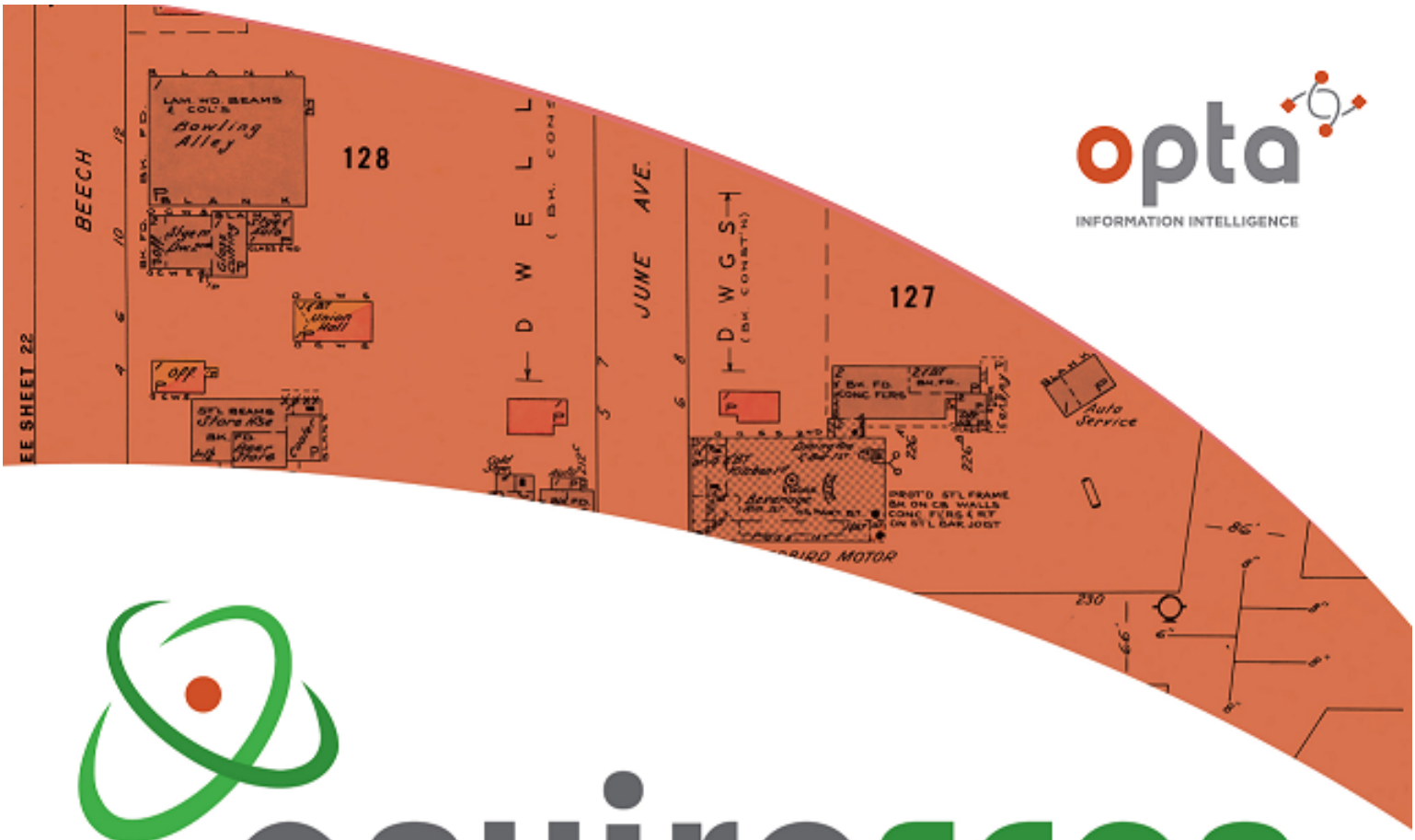
N

Client: ARGO MACVILLE V CORPORATION

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	E.K.	P.P	November 2022
Rev: 0	Scale: As Shown	Project No.: 22-407-100	Figure No.: 2

Image/Map Source: *Google Satellite Image*

Appendix A



opta
INFORMATION INTELLIGENCE

enviroscan

An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Midori

Site Address:

Bolton, ON

Project No:

22102700490

Opta Order ID:

119137

Requested by:

Eleanor Goolab
ERIS

Date Completed:

11/3/2022 5:18:34 AM

Project Name: 14396 Humber Station Road Bolton Phase I ESA

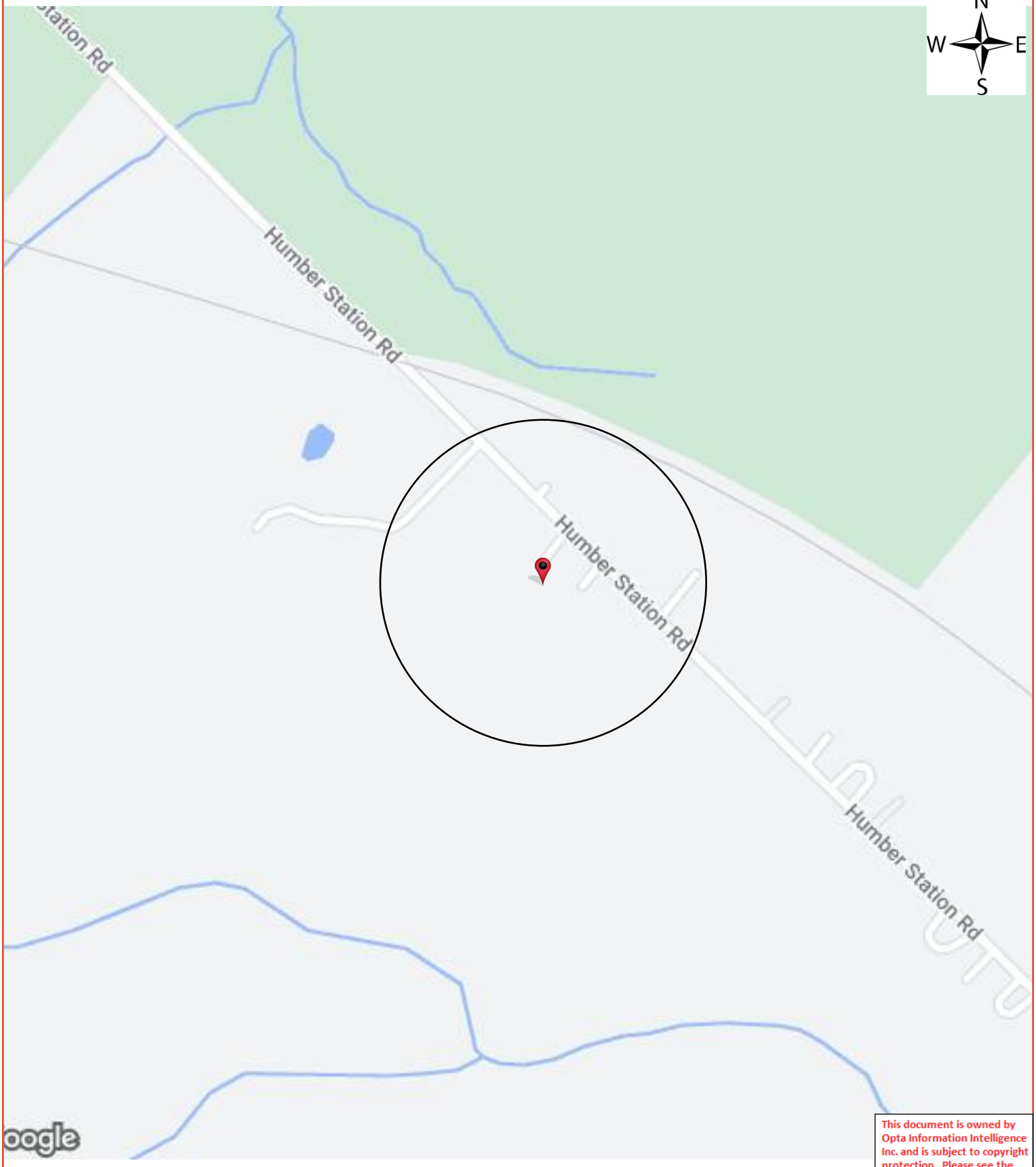
Project #: 22102700490
P.O. #: 22407100

ENVIROSCAN Report

Search Area: Bolton, ON

Requested by:
Eleanor Goolab
Date Completed: 11/03/2022 05:18:34

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

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

Governing Document

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

Law

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

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 11/03/2022 05:18:34

OPTA INFORMATION INTELLIGENCE

No Records Found

N
W E
S

Project Name: 14396 Humber Station Road Bolton Phase I ESA

Project #: 22102700490
P.O. #: 22407100

Selected Fire Insurance Plans and Inspection Reports

Requested by:
Eleanor Goolab
Date Completed: 11/03/2022 05:18:34

enviroscan
OPTA INFORMATION INTELLIGENCE

Search Fee	**$50.00**

Selected Fire Insurance Plans

None

Selected Inspection Reports

None

Total	**$50.00**

Project Name: 14396 Humber Station Road Bolton Phase I ESA

Project #: 22102700490
P.O. #: 22407100

Excluded Fire Insurance Plans and Inspection Reports

Requested by:
Eleanor Goolab
Date Completed: 11/03/2022 05:18:34

enviroscan
OPTA INFORMATION INTELLIGENCE

Excluded Fire Insurance Plans

None

Excluded Inspection Reports

None

Appendix B

ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property: *14396 Humber Station Road, Bolton, Ontario*
Report Type: *City Directory*
Order No: *22102700490*
Information Source: *Polk's Halton-Peel Region Ont., Criss Cross Directory (TRL)*
Date Completed: *November 4, 2022*

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

City Directory Information Source
Polk's Halton-Peel Region Ont., Criss Cross Directory (TRL)

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 2001	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-No Listings Within Radius

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1996	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1991	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1986	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1981	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1976	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1970-1971	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

PROJECT NUMBER: 22102700490	
Site Address:	14396 Humber Station Road, Bolton, Ontario
Year: 1966	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Humber Station Road (14275-14436)	-Street Not Listed

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

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

Appendix C

DATABASE REPORT

Project Property:	*14396 Humber Station Road, Bolton Phase I ESA* *22-407-100 Phase I ESA* *Bolton ON L7E 0Z9*
Project No:	*22-407-100*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*22102700490*
Requested by:	*DS Consultants Ltd.*
Date Completed:	*November 1, 2022*

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:	*14396 Humber Station Road, Bolton Phase I ESA* *22-407-100 Phase I ESA Bolton ON L7E 0Z9*
Project No:	*22-407-100*

Order Information:

Order No:	*22102700490*
Date Requested:	*October 27, 2022*
Requested by:	*DS Consultants Ltd.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
City Directory Search	*CD - Subject Site plus 250m Radius*
ERIS Xplorer	*ERIS Xplorer*
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	1	0	1
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	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	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	6	6
	Total:		1	7	8

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	BORE		ON	ENE/0.0	-1.06	13

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		ON **Well ID:** 7366568	WSW/23.5	1.75	14
3	SPL	Hydro One Networks Inc.	14361 Humber Station Road Caledon ON	E/77.4	-1.89	14
4	WWIS		lot 12 con 4 ON **Well ID:** 4904146	ESE/142.9	1.08	15
5	WWIS		lot 12 con 5 ON **Well ID:** 4905784	E/165.9	-3.22	19
6	WWIS		lot 12 con 4 ON **Well ID:** 4904238	SE/198.7	1.75	22
7	WWIS		lot 13 con 4 ON **Well ID:** 4907094	W/203.3	1.75	27
8	WWIS		ON **Well ID:** 7366567	E/238.5	-3.31	31

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	1

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

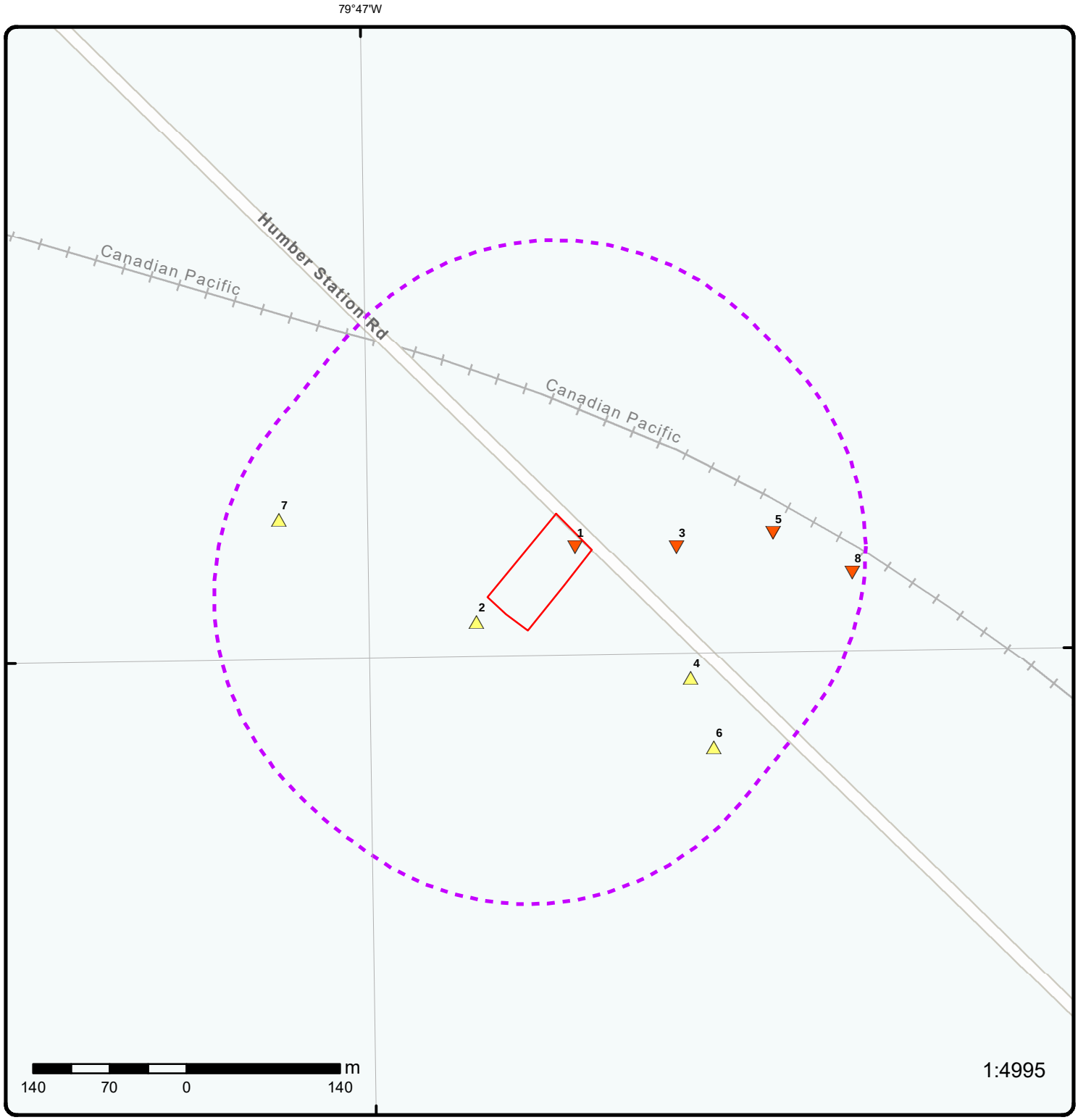
Site	Address	Distance (m)	Map Key
Hydro One Networks Inc.	14361 Humber Station Road Caledon ON	77.4	3

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 6 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 7366568	23.5	2
	lot 12 con 4 ON ***Well ID:*** 4904146	142.9	4
	lot 12 con 5 ON ***Well ID:*** 4905784	165.9	5
	lot 12 con 4 ON	198.7	6

Site	Address	Distance (m)	Map Key
	Well ID: 4904238		
	lot 13 con 4 ON	203.3	7
	Well ID: 4907094		
	ON	238.5	8
	Well ID: 7366567		



Map: 0.25 Kilometer Radius

Order Number: 22102700490

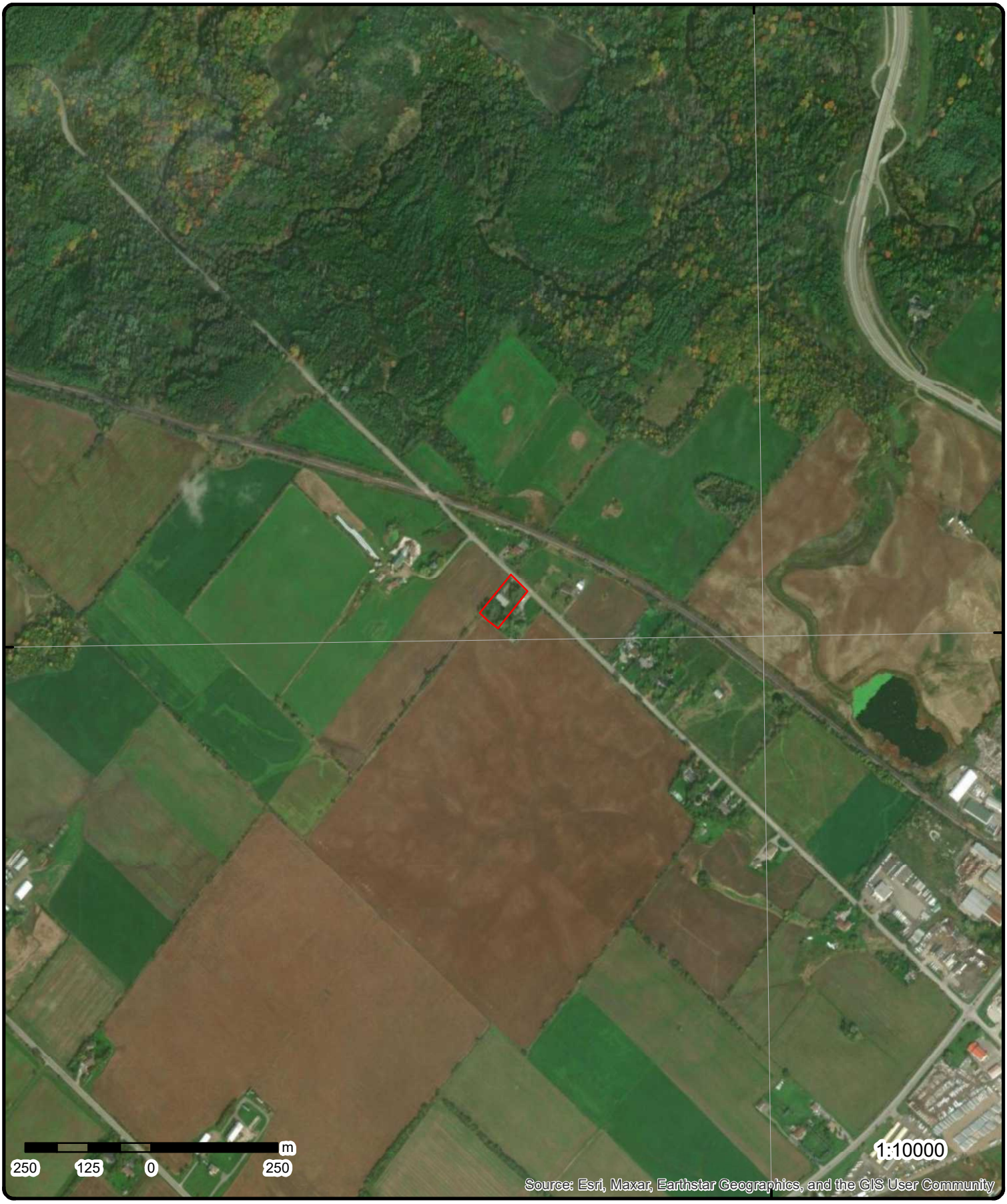
Address: 22-407-100 Phase I ESA, Bolton, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

Source: © 2021 ESRI StreetMap Premium.

79°46'30"W

43°52'30"N



43°52'30"N

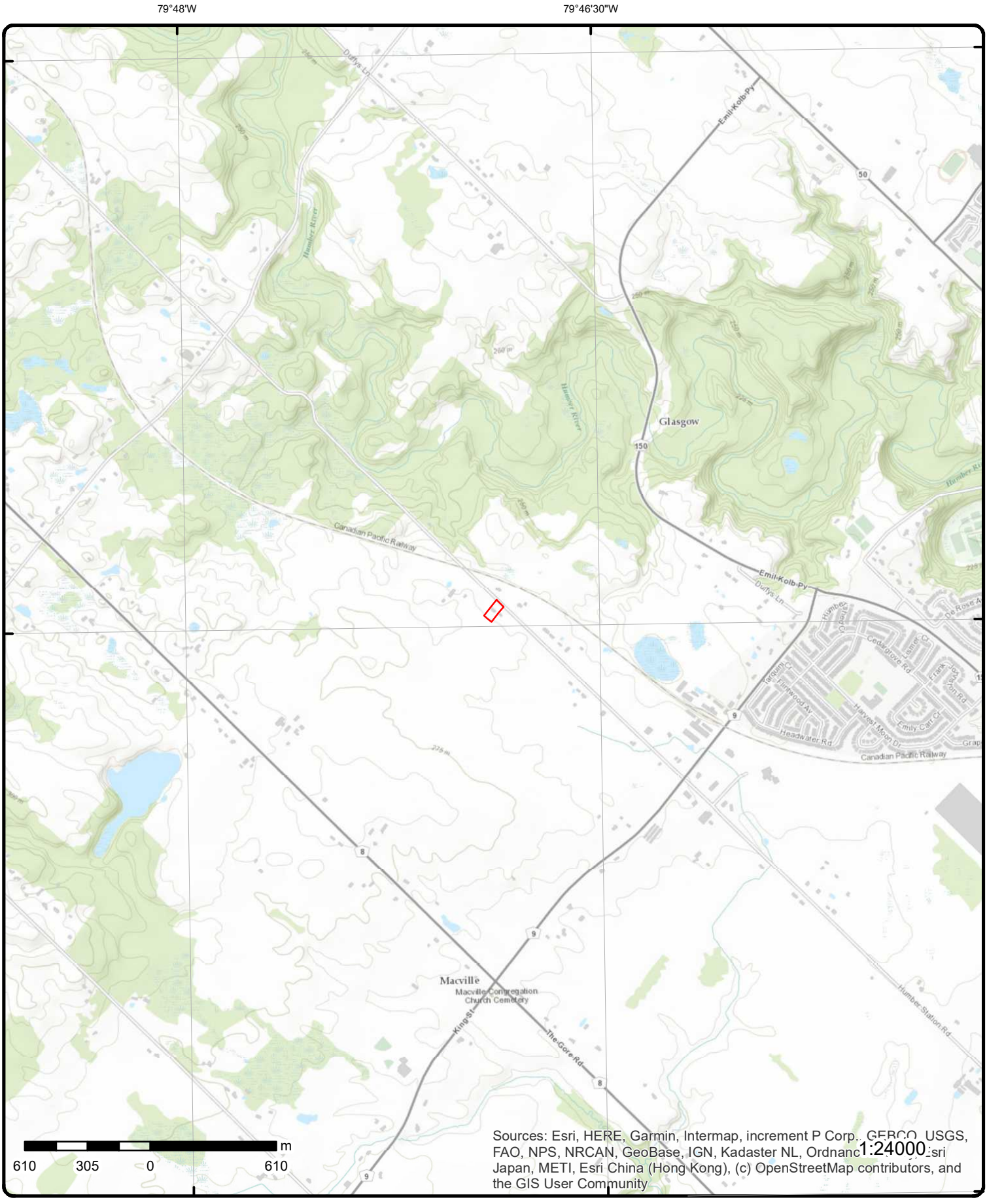
Aerial

Year: 2021

Order Number: 22102700490

Address: 22-407-100 Phase I ESA, Bolton, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 22102700490

Address: 22-407-100 Phase I ESA, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/0.0	267.1 / -1.06	ON	BORE

Borehole ID:	589765	**Inclin FLG:**	No
OGF ID:	215500360	**SP Status:**	Initial Entry
Status:	Unknown	**Surv Elev:**	No
Type:	Outcrop	**Piezometer:**	No
Use:		**Primary Name:**	OGS-OLW-62-1361
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	43.875886
Total Depth m:	1.2	**Longitude DD:**	-79.781025
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	597934
Drill Method:		**Northing:**	4858810
Orig Ground Elev m:	268	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	268		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218339199	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	Di si **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Ontario Geological Survey	**Source Iden:**	6
Source Date:	Varies to 2004	**Scale or Res:**	1:50,000
Confidence:	H	**Horizontal:**	NAD83
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Details:	YPDT Master Database A: -1851074351		
Confiden 1:	Location taken from OGS 1:50,000 maps by CAMC staff or consultants.		

Source List

Source Identifier:	6	**Horizontal Datum:**	NAD83
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	Varies to 2004	**Projection Name:**	Universal Transvers Mercator

Scale or Resolution:	1:50,000
Source Name:	Ontario Geological Survey Fieldwork Mapping
Source Originators:	Ontario Geological Survey

2 | **1 of 1** | **WSW/23.5** | **269.9 / 1.75** | **ON** | **WWIS**

Well ID:	7366568	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	31-Aug-2020 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z343401	**Contractor:**	7472
Tag:	A303304	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PEEL
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	CALEDON TOWN (ALBION)		
Site Info:			

Bore Hole Information

Bore Hole ID:	1008454064	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	597844.00
Code OB Desc:		**North83:**	4858742.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	31-Jul-2020 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1008454064	**Tag No:**	A303304
Depth M:		**Contractor:**	7472
Year Completed:	2020	**Path:**	736\7366568.pdf
Well Completed Dt:	2020/07/31	**Latitude:**	43.8752855258626
Audit No:	Z343401	**Longitude:**	-79.7821579075982

3 | **1 of 1** | **E/77.4** | **266.2 / -1.89** | **Hydro One Networks Inc.**
14361 Humber Station Road
Caledon ON | **SPL**

Ref No:	1813-924U7Y	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	16-NOV-12	**Health/Env Conseq:**	

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

Year:		**Client Type:**	
Incident Cause:	Collision/Accident	**Sector Type:**	Transformer
Incident Event:		**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	TRANSFORMER OIL (N.O.S.)	**Site Address:**	14361 Humber Station Road
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	Caledon
Nature of Impact:	Soil Contamination; Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	16-NOV-12	**Site Map Datum:**	
Dt Document Closed:	03-JAN-13	**SAC Action Class:**	Land Spills
Incident Reason:	Other	**Source Type:**	

Site Name: Pole-top transformer<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Hydro One, 30L PCB suspect transformer oil to soil/ditch
Contaminant Qty: 30 L

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	ESE/142.9	269.2 / 1.08	lot 12 con 4 ON	WWIS

Well ID:	4904146	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	27-Aug-1973 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3612
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PEEL
Elevatn Reliabilty:		**Lot:**	012
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: CALEDON TOWN (ALBION)
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4904146.pdf

Additional Detail(s) (Map)

Well Completed Date: 1973/07/06
Year Completed: 1973
Depth (m): 22.86
Latitude: 43.874800472428
Longitude: -79.7797332332733
Path: 490\4904146.pdf

Bore Hole Information

Bore Hole ID:	10318934	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		***Zone:***	17
Code OB:		***East83:***	598039.60
Code OB Desc:		***North83:***	4858691.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	06-Jul-1973 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Loc Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932044453
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	57.0
Formation End Depth:	67.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932044452
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	57.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932044450
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0

Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044454
Layer: 5
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 67.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044451
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964904146
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10867504
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930526657
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 75.0
Casing Diameter: 30.0
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 994904146
Pump Set At:
Static Level: 57.0
Final Level After Pumping: 73.0
Recommended Pump Depth: 72.0
Pumping Rate: 2.0
Flowing Rate:
Recommended Pump Rate: 2.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934786703
Test Type: Recovery
Test Duration: 45
Test Level: 69.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935042864
Test Type: Recovery
Test Duration: 60
Test Level: 68.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934258037
Test Type: Recovery
Test Duration: 15
Test Level: 72.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934532569
Test Type: Recovery
Test Duration: 30
Test Level: 70.0
Test Level UOM: ft

Water Details

Water ID: 933792178
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 33.0

Water Found Depth UOM: ft

Links

Bore Hole ID:	10318934	**Tag No:**	
Depth M:	22.86	**Contractor:**	3612
Year Completed:	1973	**Path:**	490\4904146.pdf
Well Completed Dt:	1973/07/06	**Latitude:**	43.874800472428
Audit No:		**Longitude:**	-79.7797332332733

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5 **1 of 1** **E/165.9** **264.9 / -3.22** **lot 12 con 5 ON** **WWIS**

Well ID:	4905784	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	14-May-1981 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4778
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PEEL
Elevatn Reliabilty:		**Lot:**	012
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	CALEDON TOWN (ALBION)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4905784.pdf

Additional Detail(s) (Map)

Well Completed Date:	1980/12/12
Year Completed:	1980
Depth (m):	64.6176
Latitude:	43.8759787203966
Longitude:	-79.7787756728625
Path:	490\4905784.pdf

Bore Hole Information

Bore Hole ID:	10320475	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	598114.60
Code OB Desc:		**North83:**	4858823.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	12-Dec-1980 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932051286
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100.0
Formation End Depth:	160.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932051285
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932051287
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	08
Mat3 Desc:	FINE SAND
Formation Top Depth:	160.0
Formation End Depth:	208.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932051288
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Mat2:	10
Mat2 Desc:	COARSE SAND
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	208.0
Formation End Depth:	212.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964905784
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10869045
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930528780
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	208.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359843
Layer:	1
Slot:	025
Screen Top Depth:	208.0
Screen End Depth:	212.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	5.0

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	994905784
Pump Set At:	
Static Level:	22.0
Final Level After Pumping:	200.0
Recommended Pump Depth:	200.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934781763
Test Type:	Draw Down
Test Duration:	45
Test Level:	180.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934261923
Test Type:	Draw Down
Test Duration:	15
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935046777
Test Type:	Draw Down
Test Duration:	60
Test Level:	200.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934527661
Test Type:	Draw Down
Test Duration:	30
Test Level:	150.0
Test Level UOM:	ft

Water Details

Water ID:	933793793
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	208.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10320475	**Tag No:**	
Depth M:	64.6176	**Contractor:**	4778
Year Completed:	1980	**Path:**	490\4905784.pdf
Well Completed Dt:	1980/12/12	**Latitude:**	43.8759787203966
Audit No:		**Longitude:**	-79.7787756728625

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	SE/198.7	269.9 / 1.75	lot 12 con 4 ON	WWIS

Well ID:	4904238	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	

Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	14-Jan-1974 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4778
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PEEL
Elevatn Reliabilty:		**Lot:**	012
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: CALEDON TOWN (ALBION)
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4904238.pdf

Additional Detail(s) (Map)

Well Completed Date: 1973/11/30
Year Completed: 1973
Depth (m): 57.912
Latitude: 43.8742305766483
Longitude: -79.7794834879935
Path: 490\4904238.pdf

Bore Hole Information

Bore Hole ID:	10319026	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	598060.60
Code OB Desc:		**North83:**	4858628.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	30-Nov-1973 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932044876
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 78.0
Formation End Depth: 120.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044873
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044875
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 67.0
Formation End Depth: 78.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044874
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 67.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044877
Layer: 5
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 120.0
Formation End Depth: 177.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044878
Layer: 6
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 177.0
Formation End Depth: 190.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964904238
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10867596
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930526769
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 186.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359517
Layer: 1
Slot: 012
Screen Top Depth: 187.0
Screen End Depth: 190.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch

Screen Diameter: 5.0

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 994904238
Pump Set At:
Static Level: 23.0
Final Level After Pumping: 77.0
Recommended Pump Depth: 110.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 7.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934787187
Test Type: Draw Down
Test Duration: 45
Test Level: 77.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934532637
Test Type: Draw Down
Test Duration: 30
Test Level: 73.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935043357
Test Type: Draw Down
Test Duration: 60
Test Level: 77.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934258522
Test Type: Draw Down
Test Duration: 15
Test Level: 65.0
Test Level UOM: ft

Water Details

Water ID: 933792273
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 177.0

Water Found Depth UOM: ft

Links

Bore Hole ID:	10319026	**Tag No:**	
Depth M:	57.912	**Contractor:**	4778
Year Completed:	1973	**Path:**	490\4904238.pdf
Well Completed Dt:	1973/11/30	**Latitude:**	43.8742305766483
Audit No:		**Longitude:**	-79.7794834879935

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7 **1 of 1** **W/203.3** **269.9 / 1.75** **lot 13 con 4 ON** **WWIS**

Well ID:	4907094	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	Livestock	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	10-May-1989 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	55191	**Contractor:**	4778
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PEEL
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	CALEDON TOWN (ALBION)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4907094.pdf

Additional Detail(s) (Map)

Well Completed Date:	1989/01/20
Year Completed:	1989
Depth (m):	65.2272
Latitude:	43.8761465864822
Longitude:	-79.7843857850672
Path:	490\4907094.pdf

Bore Hole Information

Bore Hole ID:	10321655	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	597663.60
Code OB Desc:		**North83:**	4858835.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	20-Jan-1989 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932056743
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	22.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056745
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	72.0
Formation End Depth:	85.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056746
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	85.0
Formation End Depth:	190.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056748
Layer:	7
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 199.0
Formation End Depth: 214.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056742
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056744
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 65.0
Formation End Depth: 72.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056747
Layer: 6
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 190.0
Formation End Depth: 199.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964907094
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10870225
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930530726
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 206.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933360124
Layer: 1
Slot: 010
Screen Top Depth: 206.0
Screen End Depth: 214.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 994907094
Pump Set At:
Static Level: 26.0
Final Level After Pumping: 148.0
Recommended Pump Depth: 180.0
Pumping Rate: 12.0
Flowing Rate:
Recommended Pump Rate: 12.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 4
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934255966
Test Type: Draw Down
Test Duration: 15
Test Level: 100.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934530517
Test Type: Draw Down
Test Duration: 30
Test Level: 122.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934784595
Test Type: Draw Down
Test Duration: 45
Test Level: 134.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935050089
Test Type: Draw Down
Test Duration: 60
Test Level: 138.0
Test Level UOM: ft

Water Details

Water ID: 933795139
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 199.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10321655
Depth M: 65.2272
Year Completed: 1989
Well Completed Dt: 1989/01/20
Audit No: 55191
Tag No:
Contractor: 4778
Path: 490\4907094.pdf
Latitude: 43.8761465864822
Longitude: -79.7843857850672

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8 ***1 of 1*** ***E/238.5*** ***264.8 / -3.31*** ***ON*** ***WWIS***

Well ID: 7366567
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z343541
Tag: A303292
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes
Data Src:
Date Received: 31-Aug-2020 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7472
Form Version: 7
Owner:
County: PEEL
Lot:
Concession:
Concession Name:
Easting NAD83:

Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	CALEDON TOWN (ALBION)		
Site Info:			

Bore Hole Information

Bore Hole ID:	1008454061	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	598187.00
Code OB Desc:		***North83:***	4858787.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	31-Jul-2020 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1008454061	***Tag No:***	A303292
Depth M:		***Contractor:***	7472
Year Completed:	2020	***Path:***	736\7366567.pdf
Well Completed Dt:	2020/07/31	***Latitude:***	43.875645027966
Audit No:	Z343541	***Longitude:***	-79.7778813424945

Unplottable Summary

Total: 4 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 12 Con 5	Caledon ON	
AGR	AECON CONSTRUCTION & MATERIALS LIMITED	Lot Pt 13, 14, 15, Con 5, W.H.S. Lot Pt 13, 14, 15, Con 5, W.H.S.	CALEDON ON	
SPL	STRUCTURAL FIRE (N.O.S.)	BARN AT HUMBER STATION RD, N. OF MAYFIELD RD.	CALEDON TOWN ON	
SPL		Humber Station Road, north of King St.	Caledon ON	

Unplottable Report

Site: **Database:** AAGR

Lot 12 Con 5 Caledon ON

Type:	Pit
Region/County:	Peel
Township:	Caledon
Concession:	5
Lot:	12
Size (ha):	0.1
Landuse:	
Comments:	

Site: *AECON CONSTRUCTION & MATERIALS LIMITED* **Database:** AGR

Lot Pt 13, 14, 15, Con 5, W.H.S. Lot Pt 13, 14, 15, Con 5, W.H.S. CALEDON ON

ID:	21666	**Effective Date:**	
Current Status:		**Licenced Area (ha):**	67.65
Authority Type:		**Extraction Area:**	
Section:		**OGF ID:**	
Location Name:	Pinchin Pit	**Max Tonnage:**	
Address Line 1:		**Water Status:**	
Address Line 2:		**District Name:**	
Address City:		**Location Accuracy:**	
Address Pcode:		**Geom Updt Datetime:**	
Geographc Township:		**Effective Datetime:**	
District:	Aurora District	**System Datetime:**	
Auth Type Desc:	CLASS A LICENCE > 20000 TONNES	**Refreshed Datetime:**	
Operation Type:	PIT	**Shape Area:**	
Max Annual Tonnage:	900000	**Shape Len:**	
Unlimited Tonnage:	No	**X:**	
Status Date:		**Y:**	
Upper Tier Munici:	PEEL R		
Lower Tier Munici:	CALEDON		
Source Detail:			
Source:			

Site: *STRUCTURAL FIRE (N.O.S.)* **Database:** SPL

BARN AT HUMBER STATION RD, N. OF MAYFIELD RD. CALEDON TOWN ON

Ref No:	145996	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	9/3/1997	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CAUSE (N.O.S.)	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	CONFIRMED	**Site Municipality:**	21401
Nature of Impact:	Air Pollution	**Site Lot:**	
Receiving Medium:	AL	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	BRAMPTON FD, PD.
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	

MOE Reported Dt:	9/3/1997	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	FIRE/EXPLOSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ABANDONNED BARN- ONGOING FIRE. LOTS OF TIRES IN BARN.		
Contaminant Qty:			

Site:

Humber Station Road, north of King St. Caledon ON

Database: ***SPL***

Ref No:	0182-6CGPEV	***Discharger Report:***	0
Site No:		***Material Group:***	Oil
Incident Dt:	5/17/2005	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Sector Type:***	Unknown
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Caledon
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/17/2005	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spills to Watercourses
Incident Reason:		***Source Type:***	
Site Name:	Hopefull Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Diesel to Hopefull Creek, Caledon, cleaned up		
Contaminant Qty:			

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 Nov 2021

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-Mar 2022

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-May 31, 2022

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2020

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: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-May 31, 2022

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 -Sep 2022

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-Jun 2022

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Sep 30, 2022

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Feb 28, 2022

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- Sep 30, 2022

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994 - Sep 30, 2022

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- Sep 30, 2022

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, 2022

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: Apr 30, 2022

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, 2021

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: Feb 28, 2022

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2022

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: Feb 28, 2022

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-Apr 30, 2022

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 2019

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: Feb 28, 2022

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: Mar 21, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2022

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, 2020

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-Jun 30, 2021

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, 2022

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-Aug 2021

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 Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Sep 30, 2022

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- Sep 30, 2022

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2021

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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Sep 30, 2022

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: 1986-1990, 1992-2019

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-Sep 2022

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-May 31, 2022

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-Sep 2020; Dec 2020-Mar 2021

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, 2020

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

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- Sep 30, 2022

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: Jun 30 2022

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix D

PROPERTY DESCRIPTION: PT LT 12 CON 4 ALBION AS IN VS284721 ; CALEDON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 14329-0157

PIN CREATION DATE:
1999/06/21

OWNERS' NAMES	CAPACITY	SHARE
MASON, LLOYD AMBROSE	JTEN	
MASON, RUTH JEANNETTE	JTEN	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/09/23 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/06/21						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 1999/06/22 ***						
VS284721	1973/10/09	TRANSFER	$2		MASON, LLOYD AMBROSE MASON, RUTH JEANNETTE	C

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

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

November 7, 2022

Megan Bender
DS Consultants Ltd
6221 Highway 7, Unit 16
Vaughan, Ontario L4H 0K8
megan.bender@dsconsultants.ca

Dear Megan Bender:

RE: **MECP FOI A-2022-07786, Your Reference 22-407-100 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 14396 Humber Station Road, Bolton.

After a thorough search through the files of the ministry's Halton Peel District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch (EMRB), Environmental Investigations and Enforcement Branch (EIEB), and Safe Drinking Water Branch (SDW) no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Tolani Abraham at Tolani.Abraham2@ontario.ca.

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn
Manager (A), Access and Privacy Office

Megan.Bender

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Wednesday, November 2, 2022 7:21 AM
To: Megan.Bender
Subject: RE: TSSA Request - Humber Station Road, Bolton

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

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

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.
Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click Release of Public Information - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
    a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.
Questions? Please contact TSSA's Public Information Release team at publicinformationservices@tssa.org.
Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind Regards,
Kim

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: Megan.Bender <megan.bender@dsconsultants.ca>
Sent: November 1, 2022 1:15 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Request - Humber Station Road, Bolton

Good afternoon,

Could you please perform a search for the following addresses:

- Humber Station Road: 14396, 14384, 14361, 14411, 14436, 14421

Thank you,

Megan Bender, BES, EPt
Environmental/Geotechnical Technician
DS Consultants Ltd.
125 McGovern Drive., Unit 4
Cambridge, Ontario, N3H 4R7
Cell: (519) 588-9513
www.dsconsultants.ca

DS CONSULTANTS LTD.
Geotechnical ◆ Environmental ◆ Materials ◆ Hydrogeology

Date: November 2nd, 2022
Person Interviewed: JEANETTE MASON
Contact Information: 905-857-0771 Relation to the Property: OWNER.
Site Location: 14396 Humber station Rd, Bolton

All questions pertain only to the Phase One Property. Where applicable please provide details such as dates, locations and sources.

1. What is the property owner information (name and address of owner)? Current and Previous

   JEANETTE MASON

2. When did the Current Owner acquire the Property?

   1973

3. What is the Legal Description of the Property (incl. PIN). Please Provide Legal Survey if possible

4. What is the property currently used for?

   RESIDENTIAL DWELLING

5. What was the property formerly used for?

   FARM -

6. **Has the property ever utilised fuel oil?** Is there any above ground or underground storage tanks located at the property?

   No

7. Does any vehicle maintenance/service occur on the property?

   No

8. Are Pesticides/Herbicides applied on the Property? List current and/or past pesticides/herbicides used?

RESIDENTIAL LAWN SPRAY

9. Have any hazardous materials currently or historically been stored on the phase one property? (e.g. chemicals, drums, totes etc.)

No.

10. Is the property currently serviced for water or waste water? Please provide locations of any water wells or septic systems.

WELL IN FRONT, SEPTIC IN BACK

11. Are there any underground utilities present on the phase one property? If yes please indicate what utilities are present and the location.

BELL - SOUTH SIDE OF DRIVE
HYDRO - NORTH SIDE OF DRIVE

12. Have any chemical spills occurred on the property?

No

13. Have any fires occurred on the property?

No

14. Is there any fill material present on the property?

JUST GRAVEL DRIVE

15. Are you aware of incidents that have occurred on the property or adjoining properties that may affect the environmental quality of the property?

No.

Appendix E

County Atlas Project

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

YORK COUNTY ATLAS: 1880

Scale: NTS	**PHASE I ENVIRONMENTAL SITE ASSESSMENT** **14396 Humber Station Road, Bolton, Ontario, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-1**

6221 Highway 7
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AERIAL PHOTOGRAPH: 1946

Scale: 1:3850	**PHASE I ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: NP
Date: Nov-22	**14396 Humber Station Road, Bolton, Ontario**	Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-2**

AERIAL PHOTOGRAPH: 1960

6221 Highway 7
Vaughan, ON L4H 0K8
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Scale: ~1:2800	**PHASE I ENVIRONMENTAL SITE ASSESSMENT 14396 Humber Station Road, Bolton, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-3**

6221 Highway 7
Vaughan, ON L4H 0K8
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AERIAL PHOTOGRAPH: 1974

Scale: ~1:1850	**PHASE I ENVIRONMENTAL SITE ASSESSMENT** **14396 Humber Station Road, Bolton, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-4**

AERIAL PHOTOGRAPH: 1985

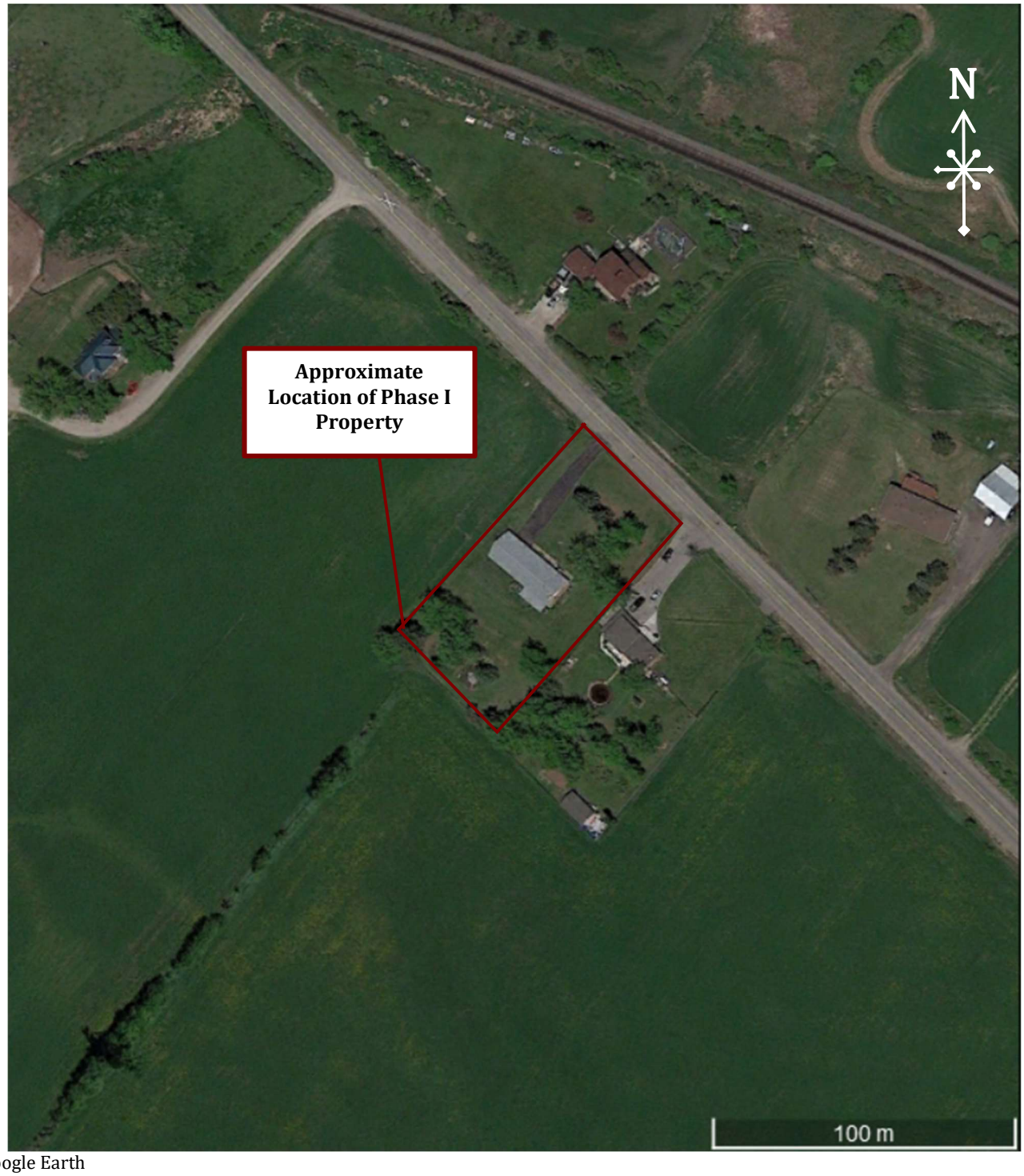
DS
6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~1:4250	**PHASE I ENVIRONMENTAL SITE ASSESSMENT 14396 Humber Station Road, Bolton, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-5**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2004

Scale: ~1:5000	**PHASE I ENVIRONMENTAL SITE ASSESSMENT** **14396 Humber Station Road, Bolton, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-6**



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SATELLITE IMAGE: 2015

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~1:5000	**PHASE I ENVIRONMENTAL SITE ASSESSMENT 14396 Humber Station Road, Bolton, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-7**

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SATELLITE IMAGE: 2021

Scale: ~1:5000	**PHASE I ENVIRONMENTAL SITE ASSESSMENT 14396 Humber Station Road, Bolton, Ontario**	Prepared By: NP
Date: Nov-22		Reviewed By: EK
Project: 22-407-100	Prepared For: Argo Macville V Corporation	Drawing No. **D-8**

Appendix F

Picture 1: View of the Phase I ESA property, facing southwest.

Picture 2: View of adjacent residential property, facing south.

Picture 3: View of the adjacent agricultural property, facing north.

Picture 4: View of the domestic well, facing southwest of property.

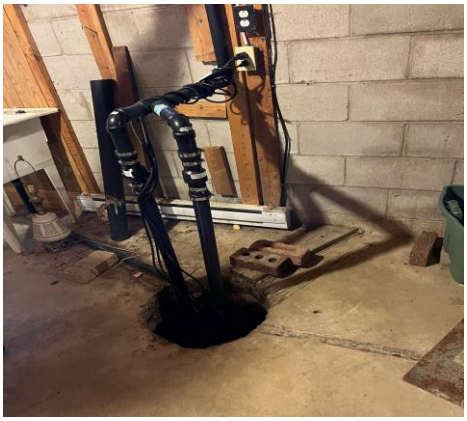
Picture 5: Close up view of the domestic well.

Picture 6: View of the water heater tank in basement of residential home, facing northwest.

Picture 7: View of the water heater tank in basement of Phase I Property.

Picture 8: View of electrical panel in basement of Phase I Property.

Picture 9: View of the well water pump in basement of Phase I Property.



Picture 10: View of the septic tank pipes in basement of Phase I Property.

Picture 11: View of the hydro lines facing northwest of Phase I Property.

Picture 12: View of the Bell line facing southwest of Phase I Property.

Picture 13: View of the septic tank, located in the backyard of property, facing west.

Picture 14: View of debris and a drum, facing west in the backyard of Phase I Property.

Picture 15: View of bricks and debris, facing west in the backyard of Phase I Property.

Picture 16:View of soil and wood debris located in the backyard of Phase I Property, facing northwest.

Picture 17: View of the west adjacent agricultural property from the backyard of Phase I Property.

Picture 18: View of the east adjacent agricultural property of the Phase I Property.