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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

PART 1 PLAN 43R-2652, CALEDON, ONTARIO

Prepared For:

Stellar Homes Inc.
125 Don Hillock Drive
Unit 8B, Aurora, Ontario
L4G 0H8
C/o Calder Engineering Ltd.
6440 King Street
Caledon, ON L7C 0S1
Attention: Robert J. Whyte
Tel: (905) 857-7600 x224
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Prepared By:

AEL environment (a division of Aeon Egmond Ltd.)
1705 Argentia Rd, Unit 3,
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Client: Stellar Homes Inc.
Date: May 20, 2021
Project #: 11452

I. EXECUTIVE SUMMARY

I.I LOCATION

The site does not have a municipal address and is identified as Part 1 Plan 43R-2652, Caledon, Ontario. The closest property with a municipal address is 15421 Mount Pleasant Road, located east of the site. The site is situated west of mount Pleasant Road and south of Mulloy Court, located in the Town of Caledon, Ontario. For this project, project east was directed towards Mount Pleasant Road.

I.II USE

The site was vacant agricultural land with potential plans for residential development.

The site was located in an area of mixed residential/agricultural/undeveloped land use.

I.III HISTORY

AEL undertook a site history using a number of sources including historical mapping, aerial photographs and other sources as available. Historical records and aerial photographs reviewed indicated the property was undeveloped agricultural land..

I.IV FIELD AND OFFICE WORK

AEL office work consisted of a review of selected historical documents and aerial photographs, titles, and other information. A property information survey was completed online. Information requests were made with the owner of the property as well as with various governmental departments in compliance with CSA Standard Z768-01 (R2016).

I.V OPINION

At the time of reporting, the land use at the Site was undeveloped agricultural. Based on a review of available records, including database search, titles search, interviews and aerial photographs, no current APECs were identified at the Site property.

On the basis of the reviewed materials and documents, as discussed above, it is the opinion of the Qualified Person that there are currently no environmental liabilities of high likelihood at the Site requiring further investigation as of the report date, and the Site is suitable for the current property use.

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1.1 PHASE ONE PROPERTY INFORMATION

1.1.1 SITE LOCATION

The site does not have a municipal address and is identified as Part 1 Plan 43R-2652, Caledon, Ontario. The closest property with a municipal address is 15421 Mount Pleasant Road, located east of the site. The site is situated west of Mount Pleasant Road and south of Mulloy Court, located in the Town of Caledon, Ontario. For this project, project east was directed towards Mount Pleasant Road.

The site has an area of approximately 40,828 m^2 (4.08 Ha), according to estimates from the Geowarehouse online property database. The site is located in a mixed area which includes residential, agricultural, and undeveloped lands surrounding the site, as determined from site reconnaissance and records review.

1.1.2 LEGAL DESCRIPTION

Based on a titles review the site legal description is:

PT LT 18 CON 8 ALBION PT 1, 43R2652 ; CALEDO.

The property identification number (PIN) is 143330118.

1.1.3 GEOGRAPHIC CENTER

The site is centred at approximately 17T 598,823 m east, 4,865,353 m north, and is at a surface elevation of about 270 meters above sea level (m asl) according to contour maps from Land Information Ontario (LIO).

1.1.4 OWNER

The owner of record for the property was:

MAUTI, GIUSEPPA; MAUTI, GIULIO.

1.1.5 CLIENT

The client of record was:

Stellar Homes Inc.
125 Don Hillock Drive
Unit 8B
Aurora, Ontario L4G 0H8
C/o Calder Engineering Ltd.
6440 King Street
Caledon, ON L7C 0S1
Attention: Robert J. Whyte
Tel: (905) 857-7600 x224
Email: rwhyte@caldereng.com

1.2 PHASE ONE ENVIRONMENTAL SITE ASSESSMENT INITIATION

The client engaged AEL Environment (AEL) to carry out a CSA phase one Environmental Site Assessment (ESA) of the site identified as Part 1 Plan 43R-2652, Caledon, Ontario. The client authorized the project in May 2021.

1.3 USE OF THE REPORT

The report is for the use of the client and AEL only in accordance with the terms of reference, during a 2021 site evaluation. The study was part of the client's work to complete an environmental assessment of the site for evaluation purposes. Additional studies may be required as a result of this report to address issues not specifically identified in the terms of reference of the report.

1.4 APPLICABILITY

Further as to use, the report may omit or not consider issues which may be important to the reader or deal with issues to the extent sought by the reader. Others with an interest in the site must undertake their own investigations and studies when considering site conditions discussed in this report. Neither AEL nor its officers know of any conflicts of interest AEL has respecting the site or the owner of the site.

1.5 LIMITATIONS

The report was completed for the sole use of AEL and the client in a 2021 site evaluation stage. Others with an interest in the site must decide on the site conditions and conduct their own investigations to determine how or if the site affects them.

1.6 ASSESSOR

The geo-environmental engineering consulting firm of:

AEL environment
A division of Aeon Egmond Ltd.
1705 Argentia Road, Unit 3
Mississauga ON L5N 3A9
Telephone: 416-657-2367
Attention: Charna Kozole, P. Eng., Qualified Person

1.7 PHASE ONE ESA FORMAT

The ESA, as prepared herein, for those portions completed for the project shall follow the requirements of the CSA Standard for phase one ESAs, Z768-01 (R2016).

2. SCOPE OF INVESTIGATION

2.1 TERMS OF REFERENCE

The proposed scope of work (SOW) for the project and assumptions used to base the timing and cost estimates on were as follows:

- Carry out a CSA phase one ESA to investigate the potential environmental legacy of the site.
- Carry out site investigations and records review from sources such as (but not necessarily including) existing reports by others (to be supplied by the client), historical maps, historical documents, title search, government and other information in consideration of various protocols, and other sources as could be developed within the investigation time frame.
- Carry out site reconnaissance and interviews.
- Evaluate the information gathered from the records review, interviews and site reconnaissance.
- Prepare a phase one ESA report outlining the findings and provide comments based on the findings as well as using information available to AEL received on or before the completion date of the report.
- A qualified person shall ensure that the phase one ESA meets the requirements of CSA Standard Z768-01 (R2016) for those portions completed for the project.
- All matters not listed in the terms of reference or general conditions are specifically excluded from AEL's responsibilities and reporting.

2.2 PHASE ONE ESA STANDARD

AEL followed the general procedures set out in CSA Standard Z768-01 (R2016) to carry out the phase one ESA for those portions completed for the project.

2.3 HISTORICAL SITE DOCUMENTS

AEL retained a private search firm to search various government and related agency archives to develop information related to the environmental legacy at the site. AEL further reviewed historical mapping and aerial photographs. The results of searches of government and other records are presented in Appendix 1.

2.4 MUNICIPAL POTABLE WATER USE

AEL did not contact the municipality regarding the application of non-potable water standards at the site at this time. Based on the presence of potable drinking water wells on and around the site, AEL assumed that the site is located in an area of potable water use. AEL will follow up with the municipality upon the client's request or prior to any subsurface investigation on Site.

3. RECORDS REVIEW

3.1 GENERAL

3.1.1 PHASE ONE STUDY AREA DETERMINATION

The phase one study area included properties that were located, wholly or partly, within 250 meters from the nearest point on a boundary of the phase one property.

3.1.2 FIRST DEVELOPED USE DETERMINATION

A qualified person reviewed materials provided by the client and photos obtained from other sources (e.g. government and private agency databases, Google Earth and air photos). AEL undertook a site history using a number of sources including historical mapping, aerial photographs and other sources as available. Historical records and aerial photographs indicate the property was undeveloped.

3.1.3 PROPERTY INSURANCE MATERIALS

There were no insurance records available for review. The enquiry response can be seen in Appendix 1.

3.1.4 CHAIN OF TITLE

AEL obtained an up-to-date title that shows the owners' name and date of ownership for the phase one property based on a search of the title through Geowarehouse, an online property database. Table 3-2, below, summarizes the chain of title for the phase one property.

Table 3-2 Chain of Title (PIN 143330118)

Date of Transfer	From	To	Relevant Information
November 1975		MAUTI, GIUSEPPA; MAUTI, GIULIO	Current property owner

3.1.5 NEIGHBOURING PROPERTIES – CITY DIRECTORY SEARCH

Due to access constraints resulting from the COVID-19 pandemic, third party access to information sources was limited. AEL did not search city directories for the site property or neighbouring properties directly adjacent to the site as results are not available prior to reporting period. Other sources of information were used to review neighbouring land occupation history.

3.1.6 ENVIRONMENTAL REPORTS

The following is a list and summary of reports reviewed as referred to in Ontario Regulation 153/04, Schedule D, Part II, including,

i. environmental site assessment reports,

ii. remediation reports,

iii. reports prepared in response to an order or request of the Ministry, and

iv. any other reports relating to the presence of a contaminant on, in or under the phase one property or the existence of an area of potential environmental concern.

AEL was provided with the following reports for review:

- "Phase I Environmental Site Assessment, 15462 Mount Pleasant Road, Caledon, Ontario", prepared by Coffey Geotechnics Inc., (Coffey), prepared for Toni Di Domizio c/o Urban Watershed Group Ltd., dated June 4, 2009 (herein referred to as the Coffey 2009 Phase I ESA Report).
- "Phase II Environmental Site Assessment Proposed Residential Development, 15462 Mount Pleasant Road, Town of Caledon, Ontario" prepared Soil Engineers Ltd., (Soil Eng), prepared for Calder Engineering Ltd., dated January 21, 2011 (herein referred to as the Soil Eng 2011 Phase II ESA Report).

3.1.6.1 COFFEY 2009 PHASE I ESA REPORT

Based on AEL's review of the report, the following information was noted:

- A phase 1 report of the northerly neighbouring property at 15462 Mount Pleasant Road prepared by Coffey Geotechnics Inc to Urban Watershed Group Ltd. titled "Phase 1 Environmental Site Assessment" dated June 4, 2009 was made available.
- The land use for the adjoining properties to the east, west, north and south was currently either residential or agricultural.
- A two-storey residential dwelling and detached slab on grade barn were located on the northern part of the property.
- A stormwater management pond was located on the east portion, with several wetland and march areas located on the west and southwest boundaries.
- Property had been owned by private residences since the 1800's.
- Direction of groundwater flow was south to southeast towards a tributary of Cold Creek located approximately 500m south of the property.
- Reference to a hydrogeological investigation report dated September 12, 2007 states six (6) test pits were excavated and that test pit TP3, located along the west property boundary, encountered some materials including old tires, large logs, wood chips, pieces of PVC and other debris to a depth of approximately 1.5m below ground surface.
- A fuel oil AST with no secondary containment was observed adjacent to the residential dwelling at the subject site.
- A limited soil investigation was recommended to address potential environmental issues associated with the AST and buried debris/fill material located west of the barn.

3.1.6.2 SOIL ENG 2011 PHASE II ESA REPORT

Based on AEL's review of the report, the following information was noted:

- A phase 2 report of the northerly neighbouring property at 15462 Mount Pleasant Road prepared by Soil Engineers Ltd. to Stellar Homes titled "Phase II Environmental Site Assessment Proposed Residential Development" dated January 21, 2011 was made available.
- The investigation consisted of digging 5 test pits and retrieving soil samples for analysis in December 2010.
- Test pits 1, 2, 3 were conducted in potential fill areas of former buildings on the property, and west of the barn. Analysis was conducted for metals and inorganics.
- Test pits 4, 5 were conducted adjacent to the AST and down gradient. Analysis was conducted for PHCs and VOCs.
- Field work was performed at selected locations on the subject site, a review of the soil samples indicates that the tested parameters were either below the reportable detection limit or fell within the Table 1, 2004 guidelines.
- AEL compared the results to post 2011 guidelines. For the analytes considered, the soil samples tested were either below the reportable detection limit or fell within the Table 1, 2011 guidelines that are now applicable in Ontario.

3.2 ENVIRONMENTAL SOURCE INFORMATION

AEL used a private search company, EcoLog ERIS, to review some government records and provide internet searches for others. The records reviewed included the Ontario government records for water well records, fuel tanks, spills reporting and environmental infringements. Not all databases searched are listed below but are presented in Appendix 1.

3.2.1 ENVIRONMENTAL REPORTING

3.2.1.1 CERTIFICATES OF APPROVAL (CA)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.1.2 ENVIRONMENTAL COMPLIANCE APPROVAL (ECA)

The commercial search found no records for the site.

The commercial search found two l Sewage works ECAs for the surrounding lands within 250 m of the site (property north of site). The records were reviewed, and details can be found in Appendix 1. Based on the nature of the activities (storm sewer construction, storm water management, oil/grit interceptor for residential homes north of the site), these are not considered a potential high environmental liability.

3.2.1.3 ENVIRONMENTAL ACTIVITY AND SECTOR REGISTRY (EASR)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.1.4 CHEMICAL MANUFACTURERS AND DISTRIBUTORS (CHEM)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.1.5 NATIONAL POLLUTANT RELEASE INVENTORY (NPRI)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.1.6 PESTICIDE REGISTER (PES)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.2 ENVIRONMENTAL INCIDENT REPORTS

3.2.2.1 ONTARIO SPILLS (SPL)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.2.2 TSSA HISTORIC INCIDENTS (HINC)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.2.3 PIPELINE INCIDENTS (PINC)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.3 WASTE MANAGEMENT RECORDS

AEL requested EcoLog ERIS to review waste management records, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347 of the Revised Regulations of Ontario, 1990 (General — Waste Management) made under the Act, or its predecessors with respect to the phase one property and any property on, under or adjacent to the phase one property.

3.2.3.1 WASTE DISPOSAL SITES (WDS) – MOE CA INVENTORY

The commercial search found no waste disposal records for the site or surrounding lands within 250 m of the site.

3.2.3.2 WASTE DISPOSAL SITES (WDSH) – MOE 1991 HISTORICAL APPROVAL INVENTORY

The commercial search found no waste disposal records for the site or surrounding lands within 250 m of the site.

3.2.3.3 ONTARIO REGULATION 347 WASTE GENERATORS SUMMARY (GEN)

The commercial search found no waste generator records for the site or surrounding lands within 250 m of the site.

3.2.4 FUEL STORAGE TANK INFORMATION

3.2.4.1 FUEL STORAGE TANKS ON THE PHASE ONE STUDY PROPERTY

The commercial search found no records for the site. It should be noted that the Fuels Safety Division did not register private fuel underground or aboveground tanks prior to January 1990 or furnace oil tanks prior to May 1, 2002. The Fuels Safety Division did not register waste oil tanks in apartments, office buildings, residences, etc. or above ground gas or diesel tanks.

3.2.4.2 FUEL STORAGE TANKS ON ADJACENT PROPERTIES

The commercial search found no records for surrounding lands within 250 m of the site.

3.2.4.3 FUEL STORAGE TANK – HISTORIC (FSTH)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.4.4 PRIVATE AND RETAIL FUEL STORAGE TANKS (PRT)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.4.5 RETAIL FUEL STORAGE TANKS (RST)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.4.6 TSSA EXPIRED FACILITIES (EXP)

The commercial search found no records for the site or surrounding lands within 250 m of the site.

3.2.5 NOTICES AND INSTRUMENTS/ONTARIO BROWNFIELDS REGISTRY

AEL reviewed the applicable document sites kept by the government. The site was not listed during AEL's search.

3.2.6 AREAS OF NATURAL SIGNIFICANCE

AEL reviewed maps by LIO and the municipality and determined the site is situated away from the boundaries of any provincial areas of natural significance.

There are no other parks, reserves or other areas of natural significance within the vicinity of the site (within 250 m).

3.2.7 BUILDING AND ENGINEERING PLANNING RECORDS

AEL was not provided with any site plans for review.

3.3 PHYSICAL SETTING SOURCES

3.3.1 AERIAL PHOTOGRAPHS

AEL considered selected aerial photographs for the site. The photographs were collected from the National Air Photo Library (NAPL) and Google Earth (Table 3-3).

The time period of beginning aerial photographs used was based on estimated time of first development of the property and surrounding properties.

Table 3-3 Aerial Photographs

Year	Photo Source	Site Features Observed	Neighbouring Property Observation
1976	National Air Photo Library	The site appears to be vacant agricultural land.	General area appears to be agricultural or vacant land.

Table 3-3 Aerial Photographs			
Year	**Photo Source**	**Site Features Observed**	**Neighbouring Property Observation**
			Property north of site has likely farm house and barn present near the northwest side of property.
1985	National Air Photo Library	No significant changes from 1976	General area appears to be agricultural or vacant land. Property north of site has likely farm house and barn present near the northwest side of property.
2009	Google Earth	No significant changes from 1985	General area appears to be agricultural or vacant land. Property north of site has potentially undergone redevelopment near the northwest side of property. Large stormwater pond located on east side of northerly neighbouring property.
2017	Google Earth	No significant changes from 2009	General area appears to be agricultural or vacant land. Property north of site has undergone redevelopment and has multiple new residential homes on the south side present. Large stormwater pond located on east side of northerly neighbouring property.

3.3.2 TOPOGRAPHY, HYDROLOGY, GEOLOGY

3.3.2.1 TOPOGRAPHY

Site has a high central hill, dropping downward to the north, east and south. The west/southwest property corner does not fall away, and begins to rise again. Elevation ranges from 270 to 265 masl.

3.3.2.2 PHYSIOGRAPHY

The regional physiography is dominated by the Kame Moraines (Oak Ridges Moraine).

AEL did not undertake a geotechnical investigation of the site. Upon review of the Ministry of Northern Development and Mine's "Surficial Geology" layer from OGSEarth, the site soils consist of brown loam to silt loam (Halton Till).

3.3.2.3 GEOLOGY

Upon review of the Ministry of Northern Development and Mine's "Bedrock Geology" layer from OGSEarth, the bedrock consists of the Georgian Bay, Blue Mountain, Billings Formation, Collingwood and Eastview Member (shale, dolostone, siltstone). The depth to bedrock is anticipated to be approximately 77-82 m bgs.

3.3.3 FILL MATERIALS

Indications of buried fill materials were not observed at the time of site reconnaissance.

3.3.4 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE

The closest visible body of water is a small unnamed pond 88 m to the Northeast of the site. Preliminary hydrogeological online data reviewed indicates the direction of groundwater flow to be varied on site with the northeast corner draining north, the southeast corner draining east, and the remainder of the site draining to the south.

There are no other parks, reserves or other areas of natural significance within the vicinity of the site (within 250 m).

3.3.5 WELL RECORDS

The commercial search found no well records for the site.

The commercial search found seven wells on the surrounding lands within 250 m of the site. Details can be found in Appendix 1.

Two (2) wells (labelled as water supply) were noted in the general area of Concession 08, within the municipality of Caledon (Albion). Soil stratigraphy consisted of clay to 69.49 m bgs, underlain by shale to the maximum depth drilled at 148.44 m bgs. Groundwater was observed at a depth of 148.44 m bgs.

Two (2) wells (labelled as domestic water supply) were noted in the general area of Concession 08, within the municipality of Caledon (Albion). Soil stratigraphy consisted of sand to 4.57 m bgs, underlain by clay to the maximum depth drilled at 10.67 m bgs. Groundwater was observed at a depth of 3.66 m bgs. Soil stratigraphy of the second well consisted of clay to 4.88 m bgs, underlain by sand to 12.80 m bgs. Groundwater was observed at a depth of 6.71 m bgs.

3.4 GOVERNMENT RECORDS

Contacts with various government agencies were made. Responses received after the report date will be issued as an addendum to the report.

3.4.1 MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS (MECP)

AEL filed a Freedom of Information request with the MECP regarding the site. No response was received before the report was issued.

3.4.2 MINISTRY OF LABOUR, TRAINING AND SKILLS DEVELOPMENT (MLTSD)

AEL filed a Freedom of Information request with the MLTSD regarding the site. No response was received before the report was issued.

3.4.3 THE TECHNICAL STANDARDS AND SAFETY AUTHORITY (TSSA)

AEL filed an information request with the TSSA inquiring on the presence of USTs or ASTs. The TSSA indicated they held no records pertaining to the presence of fuel storage tanks on the Site.

3.4.4 COAL TAR WASTES/MANUFACTURED GAS PLANTS

AEL reviewed the applicable documents kept by the government. The site and adjacent properties were not listed.

3.4.5 WASTE DISPOSAL SITE INVENTORY

AEL reviewed the applicable documents kept by the government. The site and adjacent properties were not listed.

4. PROPERTY INFORMATION INTERVIEW

4.1 INTERVIEW BACKGROUND

AEL interviewed Mr. Robert Whyte. Mr. Whyte's responses were logged online on May 17, 2021 using AEL's custom property survey form. See Appendix 3 for complete survey. Mr. Whyte is deemed to be a credible source due to his knowledge of the property's history.

4.1.1 INTERVIEW SUMMARY

The following information was provided:

- The property is not developed, it is used for agricultural purposes.
- There are no transformers located on site.
- No PCBs or hazardous chemicals are stored on site.
- There have been no known spills on the site.
- There are no tanks on site.
- Asbestos-containing materials, lead-based paints, and herbicides have not been used on the site
- No known fill has been placed on site.
- The site is not serviced by municipally supplied water or sewer services

5. SITE RECONNAISSANCE

5.1 GENERAL REQUIREMENTS

5.1.1 INTRODUCTION

Mark Givelas, under the supervision of Charna Kozole, P.Eng., QP_{ESA}, attended the site from 10:45 am to 11:25 am on May 14, 2021, during a sunny day at a temperature of about 20° Celsius. All portions of the site were accessible. See Appendix 4 for the photographic layout of the site.

5.1.2 RECONNAISSANCE FINDINGS

The site was agriculture, with adjacent farmland south of the site. The ground cover consisted of native soil, with terrestrial plants along the border of the site. The site has two (2) transformers located outside of the northern border, located at ground level on the south side of Mulloy court.one (1) pole-mounted transformer on the east side of the site, located on the west side of mount pleasant road. There was a wire fence located on the northern and western boundaries of the site. Two (2) small unserviced wooden sheds were located near the south boundary of the site, unconfirmed as belonging to the site at time of walkover, with a recycled window, empty 54 ga barrel, and small amount of wooden debris adjacent. There was no evidence of utilities entering the property.

5.1.3 NAME AND QUALIFICATIONS OF SITE INVESTIGATOR

Mark Givelas, under the supervision of Charna Kozole, P. Eng., completed site reconnaissance. Ms. Kozole is a qualified person as defined in O. Reg. 153/04.

5.1.4 PHOTOGRAPHIC RECORD

Select photographs taken by AEL during site reconnaissance can be seen in Appendix 4.

5.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

5.2.1 BUILDINGS AND STRUCTURES

There were no buildings or structures confirmed on the site. The small sheds located on the southern boundary of the site may belong to the adjacent bordering property.

5.2.2 BELOW GROUND STRUCTURES

There were no below ground structures on the site.

5.2.3 INTERIOR STORAGE TANKS

No operational storage tanks were present on site at the time of site reconnaissance. No surface staining was visible on the property to indicate any impacts from historical storage tanks.

5.2.4 WATER SOURCES

5.2.4.1 POTABLE WATER SOURCES

No evidence of potable water sources were on the site.

5.2.4.2 NON-POTABLE WATER SOURCES

No evidence of non-potable wells was noted on site.

5.2.5 UNDERGROUND UTILITIES

AEL will order public and private locates if phase two work is to be completed on site lands.

5.2.6 BUILDING FEATURES

5.2.6.1 EXIT AND ENTRY POINTS

There was no formal existing entrance or exit to the property..

5.2.6.2 HEATING/COOLING SYSTEM

There was no heating/cooling system..

5.2.6.3 DRAINS, PITS AND SUMPS

A ditch is located along Mount Pleasant Rd and Mulloy Ct.

5.2.6.4 FLOOR STAINING

No staining was noted during site reconnaissance.

5.2.6.5 FLOOR CRACKING

The floor of the small wooden shed was noted to be in poor condition.

5.2.6.6 UNIDENTIFIED SUBSTANCES

No unidentified substances were noted on the property.

5.2.6.7 LIGHT FIXTURES

No light fixtures were identified in the shed observed at the time of site reconnaissance.

5.2.6.8 CHEMICAL STORAGE

No evidence of chemical storage was observed on site.

5.2.7 EXTERIOR PROPERTY

5.2.7.1 WELLS

There were no wells noted on the site.

5.2.7.2 SEWAGE WORKS

There were no sewage works for the site.

5.2.7.3 GROUND COVER

The ground cover consisted of native soil, with terrestrial plants along the border of the Site..

5.2.7.4 RAILWAY LINES

There are no railway lines on the site. The nearest line was 3km west-southwest of the site.

5.2.7.5 EXTERIOR STORAGE TANKS

There were no exterior storage tanks on the site.

5.2.7.6 STAINING

There was no presence of staining at the site.

5.2.7.7 VEGETATION

Vegetation covered the entirety of the site property, consisting of terrestrial plants.

5.2.7.8 FILL / DEBRIS

No fill/debris was present at the site.

5.2.7.9 UNIDENTIFIED SUBSTANCES

No unidentified substances were found at the property's exterior.

5.2.7.10 ENVIRONMENTALLY SENSITIVE AREAS

The site does not fall within the boundary of any environmentally sensitive areas.

5.2.7.11 BODIES OF WATER

The closest visible body of water was a small unnamed stream draining to the Northeast 88m from the site.

5.2.8 HAZARDOUS MATERIALS

5.2.8.1 ASBESTOS CONTAINING MATERIALS (ACMS)

Asbestos was a common component in building materials until the 1970s due to its fire-retardant properties. The health risks associated with asbestos occur when asbestos fibres are released from ACMs into the air. This may be the case during maintenance or demolition activities, or where an ACM has deteriorated to the point it has become friable. If an ACM is in good condition, it generally does not pose a health risk.

Building materials commonly containing asbestos include ceiling and flooring tiles, pipe, boiler, electrical wiring and blown-in insulation, electrical panel partitions, joint compounds, cement siding and wallboard, and caulking and putties.

A Designated Substance Survey (DSS) was not completed as part of the phase one ESA. Given the agricultural site use, ACMs are unlikely to be present.

5.2.8.2 LEAD

Lead was a common paint additive until the 1980s, as it produced a high quality, durable protective coating. Paints made prior to 1950 contain large amounts of lead; after 1950, lead was more common in exterior paint.

A DSS was not completed as part of the phase one ESA. Given the agricultural site use, lead is unlikely to be present.

5.2.8.3 MERCURY

Mercury-containing products were commonly used in building products due to its ability to conduct electricity, measure temperature and pressure, and as a fungicide, preservative and disinfectant. Mercury-containing products include fluorescent lamps, thermostats, electrical switches and paints.

A DSS was not completed as part of the phase one ESA. Given the agricultural site use, mercury is unlikely to be present in large quantities.

5.2.8.4 POLYCHLORINATED BIPHENYLS (PCBS)

PCBs were common up to the early 1980s as a dielectric fluid in transformers, capacitors and light ballasts. PCBs are an environmental concern as they persist in the environment and can accumulate in the food chain. The use of PCBs in light ballasts was ceased in the early 1980's. Federal PCB regulations have designated a 2009 deadline for end-of-use and end-of storage for high level PCBs for products and equipment containing PCBs. Products and equipment with low level PCBs are to be eliminated by 2025.

A DSS was not completed as part of the phase one ESA. Given the agricultural site use, PCBs are unlikely to be present.

5.2.8.5 OZONE-DEPLETING SUBSTANCES (ODSS)

ODSs are any substances containing chlorofluorocarbon (CFC), carbon tetrachloride, methyl chloroform, or any other chemicals capable of depleting the stratospheric ozone layer. ODSs are commonly used in refrigeration, air conditioning, foam and industrial solvent applications. In Ontario, O. Reg. 463/10 outlines the mandatory recovery and reclamation of ODSs during maintenance of ODS containing equipment. ODSs are not of concern if handled with care during repair, removal or disposal activities.

A DSS was not completed as part of the phase one ESA. Equipment potentially containing ODSs was not identified during site reconnaissance.

5.2.8.6 UREA FOAM FORMALDEHYDE INSULATION (UFFI)

UFFI was used in the 1970s as building blown-in insulation but was banned in 1980. This material was mainly used in residential buildings as cavity filler, where the use of conventional insulation was impractical. UFFI is not a high concern in buildings with high ventilation rates.

Evidence of UFFI was not observed during site reconnaissance. Given the agricultural site use, UFFI is unlikely to be present.

5.2.8.7 OTHER

During site reconnaissance no obvious signs of any other hazardous or designated substances were observed.

5.3 SURROUNDING LANDS

All properties directly adjacent to the site and immediately surrounding lands were agricultural, residential, or undeveloped in nature.

5.3.1 NORTH

Mulloy Court is located north of the site. Residential land was located north of Mulloy Court.

5.3.2 EAST

Mount Pleasant Road is located to the East of the site. On the east side of Mount Pleasant Road a mix of residential land (one residence) and agricultural/undeveloped/vacant land was located east of the site.

5.3.3 SOUTH

Agricultural undeveloped land was located on the south side of the site.

5.3.4 WEST

Agricultural undeveloped land was located west of the site.

6. REVIEW AND EVALUATION OF INFORMATION

6.1 CURRENT AND PAST USES

At the time of reporting, the site was vacant agricultural land, located in an area of mixed residential/agricultural and undeveloped land. Historical records and aerial photographs indicate the property was historically undeveloped agricultural land.

6.2 POTENTIALLY CONTAMINATING ACTIVITY (PCAS)

Table 6-1 summarizes the PCAs for the phase one site.

Table 6-1 Potentially Contaminating Activities (PCAs)

PCA	Location (On-site or Off-site; up, down or trans gradient)	Information Source	Potentially Contaminating Activity*	Potential of PCA Contributing to an APEC
PCA 1 – Historical AST servicing northern site neighbour	Off-site, upgradient	Reports reviewed by others	#28. Gasoline and Associated Products Storage in Fixed Tanks – historical AST, previously removed	Historically a fuel oil AST, with no secondary containment was located at an upgradient residential dwelling north of the site and buried debris/fill. A limited soil investigation was completed to address potential environmental issues associated with the AST which determined no exceedances existed at the upgradient property. Due to the previous testing completed and the redevelopment of the neighbouring northerly property, there is not a high potential of an on-site APEC being generated.
PCA 2 – Historical debris on northern site neighbour	Off-site, upgradient	Reports reviewed by others	#30. Importation of Fill Material of Unknown Quality – historical debris pile, previously removed	Historically buried debris/fill material was located west of a historical upgradient barn. A limited soil investigation was completed to address potential environmental issues associated with the buried debris/fill material located west of the barn, which determined no

Table 6-1 Potentially Contaminating Activities (PCAs)				
PCA	**Location (On-site or Off-site; up, down or trans gradient)**	**Information Source**	**Potentially Contaminating Activity***	**Potential of PCA Contributing to an APEC**
				exceedances existed at the upgradient property. Due to the previous testing completed and the redevelopment of the neighbouring northerly property, there is not a high potential of an on-site

* A potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)

6.3.1 LOGIC USED BY QUALIFIED PERSON IN DETERMINING APECS

APECs were identified by noting all activities of potential concern within the phase one study area and then assessing the likelihood that the activities could have an environmentally deleterious effect on the site based on the following criteria:

1. Scale of the activity
2. Nature of the chemicals involved in the activity
3. Proximity of the activity to the ground outside
4. Potential pathways

6.3.2 APECS PRESENT AT SITE

No APECs were identified for the subject Site's current activities. Neighbouring site land use activities present a low potential for on-site APECs at this time.

6.3.3 UNCERTAINTY

Minor gaps in data exist which raise minor uncertainties that all APECs were identified during the phase one ESA. Historical searches, particularly the FOI responses, aerial photograph review and city directories search, were not complete or do not cover all years, therefore potentially contaminating activities that occurred during this period remain unknown to the Qualified Person.

AEL has ample experience in assessing similar facilities and used previous experience to deduce areas and contaminants of potential concern.

7. CONCLUSIONS

7.1 ENGINEER'S OPINION AND JUDGMENT

AEL are of the opinion and judgment that the following conclusions may be reached for the site based on the information and observations made during the phase one ESA:

- The site was vacant agricultural land, with the potential for residential development, located in an area of mixed residential/agricultural/undeveloped land use. Historical records and aerial photographs indicate the property has been undeveloped/agricultural land.
- Site soils likely include silt and clay components. These components are characterized by higher runoff potential and imperfect infiltration rates. These materials are more likely resist the infiltration of fluids.
- Preliminary hydrogeological online data reviews indicate the direction of groundwater flow to be varied, with the north corner draining north, east corner draining east, and the remainder of the site draining south of the site .
- AEL did not contact the municipality regarding the application of non-potable water standards at the site at this time. Based on the presence of potable drinking water wells on and around the site, AEL assumed that the site is located in an area of potable water use. AEL will follow up with the municipality upon the client's request or prior to any subsurface investigation on Site.

7.2 REQUIREMENT FOR PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

A phase two ESA is not recommended at this time based on no areas of potential concern at the Site .

The future use of the Site is reported to be potentially developed for residential use. On the basis of the reviewed materials and documents, as discussed above, it is the opinion of the Qualified Person that there are currently no environmental liabilities of high likelihood at the Site requiring immediate further investigation as of the report date, and the Site is suitable for the future property use.

8. CLOSURE AND LIMITATIONS

8.1 CONTRACT

The Client authorized AEL to carry out the work set out in the report in accordance with the scope of work as set out herein.

8.2 CSA STANDARD OF CARE

AEL are of the opinion the investigation and report above meets the general requirements for phase one ESAs.

8.3 LIMITATIONS

The present work is for the sole use of AEL, and the client in a 2021 site evaluation. Others with an interest in the site such as contractors, purchasers, etc., must undertake their own investigations respecting the site, and are advised that the work is to the terms of reference only. Neither AEL nor the Client warrant or represent the report has found, detected or reported on all site conditions or site environmental conditions. The attached terms and conditions (Appendix 5) apply.

Mark Givelas, MEnvSc.

Project Scientist

Charna Kozole, P. Eng., QP_{ESA}

Senior Reviewer

9. QUALIFICATIONS

9.1 HISTORY

AEL is an engineering firm operating in Canada and the United States of America. Through its ownership since 1987 AEL have completed over 1200 projects in real estate and mortgage type environmental issues, contaminants, soils, rock, concrete, and groundwater.

9.2 ASSOCIATES

AEL Principal Paul Wilson, P. Eng., has over 30 years of engineering and contaminated sites experience. AEL Senior Engineer Charna Kozole, P. Eng., has over 20 years of engineering and contaminated sites experience. Mr. Wilson and Mrs. Kozole are qualified persons as defined in Ontario Regulation 153/04.

9.3 CLIENTS

AEL clients include major corporations (e.g., CIBC, Hydro One, NAV CANADA); governmental organizations such as Ontario Hydro, school boards; governments; and environmental groups.

10. REFERENCES

AEL used or considered the following materials respecting the work reported herein:

1. AEL site reconnaissance photographs – May 2021.
2. Aerial photographs: National Air Photo Library, Google Earth.
3. Chapman & Putnam. 1966. The Physiography of Southern Ontario.
4. EcoLog ERIS Database Report, Mount Pleasant Rd., Part 1 Plan 43R-2652, Kleinburg ON.
5. Ontario Ministry of the Environment (MOE). 2011. Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Environmental Protection Act.
6. Ontario Ministry of Northern Development and Mines. Ontario Geological Survey, OGSEarth Maps.
7. Topographical Maps, Ministry of Natural Resources and Forestry.

Mount Pleasant Road
Phase 1 Investigation
Groundwater Flow

#11452 2021-05-04

Legend

- Roads
- Water
- Property Boundary

PT LT 18 CON 8 ALBION PT 1, 43R2652

Source:

1705 Argentia Rd, Unit 3
Mississauga, ON L5N 3A9
aelenv.com

APPENDIX 1
ECOLOG ERIS SEARCH RESULTS

DATABASE REPORT

Project Property:	*Mount Pleasant Rd.* *Part 1 Plan 43R-2652* *Kleinburg ON L7E 3M4*
Project No:	*11452*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21050400145*
Requested by:	*Aeon Egmond Ltd.*
Date Completed:	*May 7, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Mount Pleasant Rd.* *Part 1 Plan 43R-2652 Kleinburg ON L7E 3M4*
Project No:	*11452*

Order Information:

Order No:	*21050400145*
Date Requested:	*May 4, 2021*
Requested by:	*Aeon Egmond Ltd.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
City Directory Search	*CD - Subject Site plus 5 Adjacent Properties*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	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	2	2
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	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	7	7
	Total:		0	10	10

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	ECA	Stellar Homes Inc.	15462 Mount Pleasant Rd Caledon ON L4G 1H4	NNE/26.2	-5.10	13
1	ECA	Stellar Homes Inc.	15462 Mount Pleasant Rd Caledon ON L4G 1H4	NNE/26.2	-5.10	13
2	WWIS		6 MULLOY CRT lot 18 con 8 Caledon ON ***Well ID:*** 7285427	NW/56.0	-3.13	13
3	WWIS		lot 18 con 8 ON ***Well ID:*** 4905627	N/57.8	-5.02	15
4	WWIS		lot 18 con 8 ON ***Well ID:*** 4905547	NNW/64.7	-4.88	19
5	BORE		ON	N/127.6	-5.05	24
6	WWIS		lot 18 con 8 ON ***Well ID:*** 4904243	NW/129.2	-4.14	25
7	WWIS		lot 18 con 9 ON ***Well ID:*** 4905606	NE/130.4	-1.73	27
8	WWIS		lot 18 con 9 ON ***Well ID:*** 4900480	NNE/168.8	-3.36	31
9	WWIS		lot 18 con 9 ON ***Well ID:*** 4903698	NE/241.8	-0.03	35

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	127.6	5

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Mar 31, 2021 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

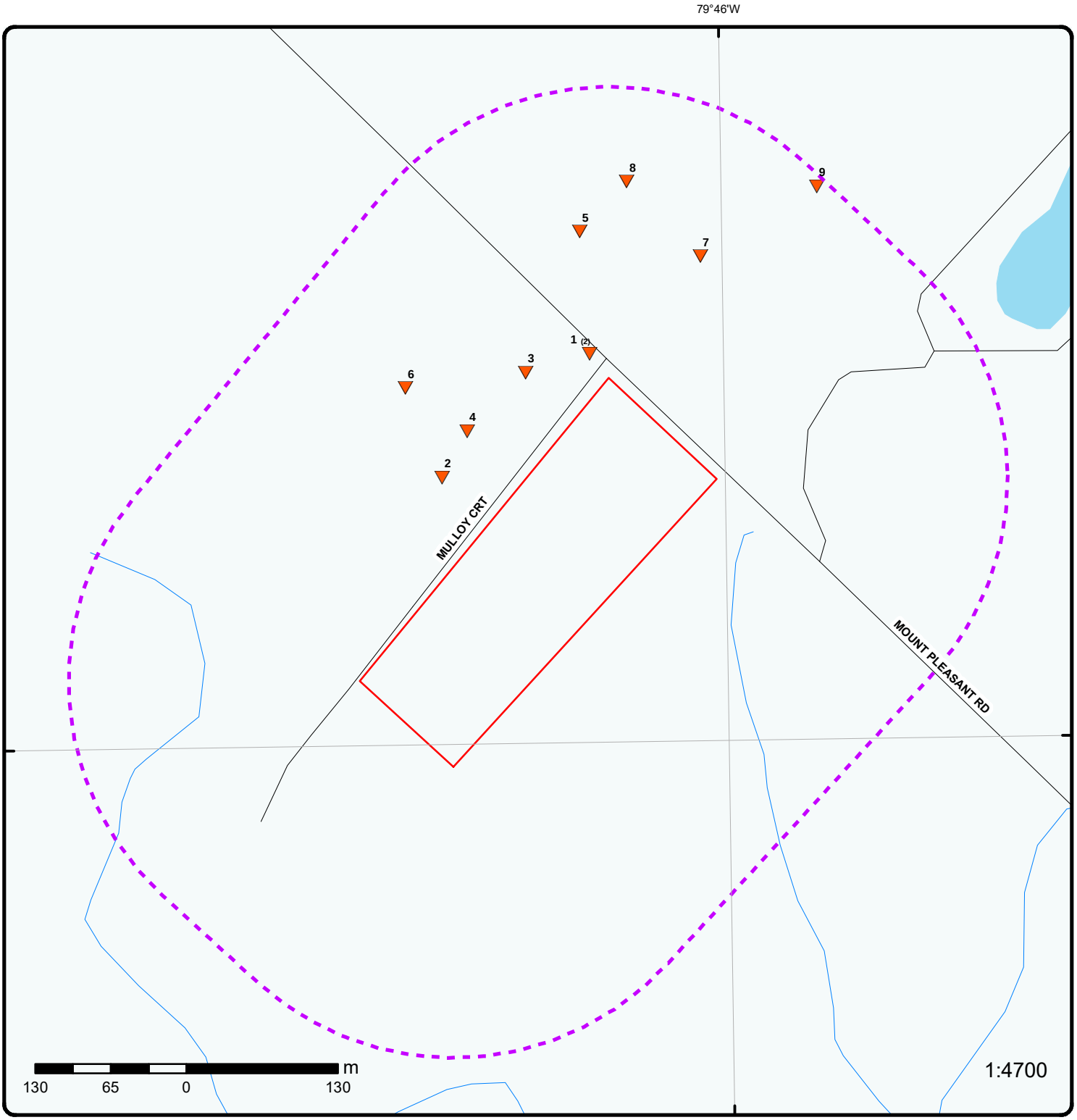
Site	Address	Distance (m)	Map Key
Stellar Homes Inc.	15462 Mount Pleasant Rd Caledon ON L4G 1H4	26.2	1
Stellar Homes Inc.	15462 Mount Pleasant Rd Caledon ON L4G 1H4	26.2	1

WWIS - Water Well Information System

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

Site	Address	Distance (m)	Map Key
	6 MULLOY CRT lot 18 con 8 Caledon ON ***Well ID:*** 7285427	56.0	2
	lot 18 con 8 ON ***Well ID:*** 4905627	57.8	3
	lot 18 con 8 ON	64.7	4

Site	Address	Distance (m)	Map Key
	Well ID: 4905547		
	lot 18 con 8 ON	129.2	6
	Well ID: 4904243		
	lot 18 con 9 ON	130.4	7
	Well ID: 4905606		
	lot 18 con 9 ON	168.8	8
	Well ID: 4900480		
	lot 18 con 9 ON	241.8	9
	Well ID: 4903698		



Map: 0.25 Kilometer Radius

Order Number: 21050400145

Address: Part 1 Plan 43R-2652, Kleinburg, ON

ERIS

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

Source: © 2015 DMTI Spatial Inc.

79°46'30"W

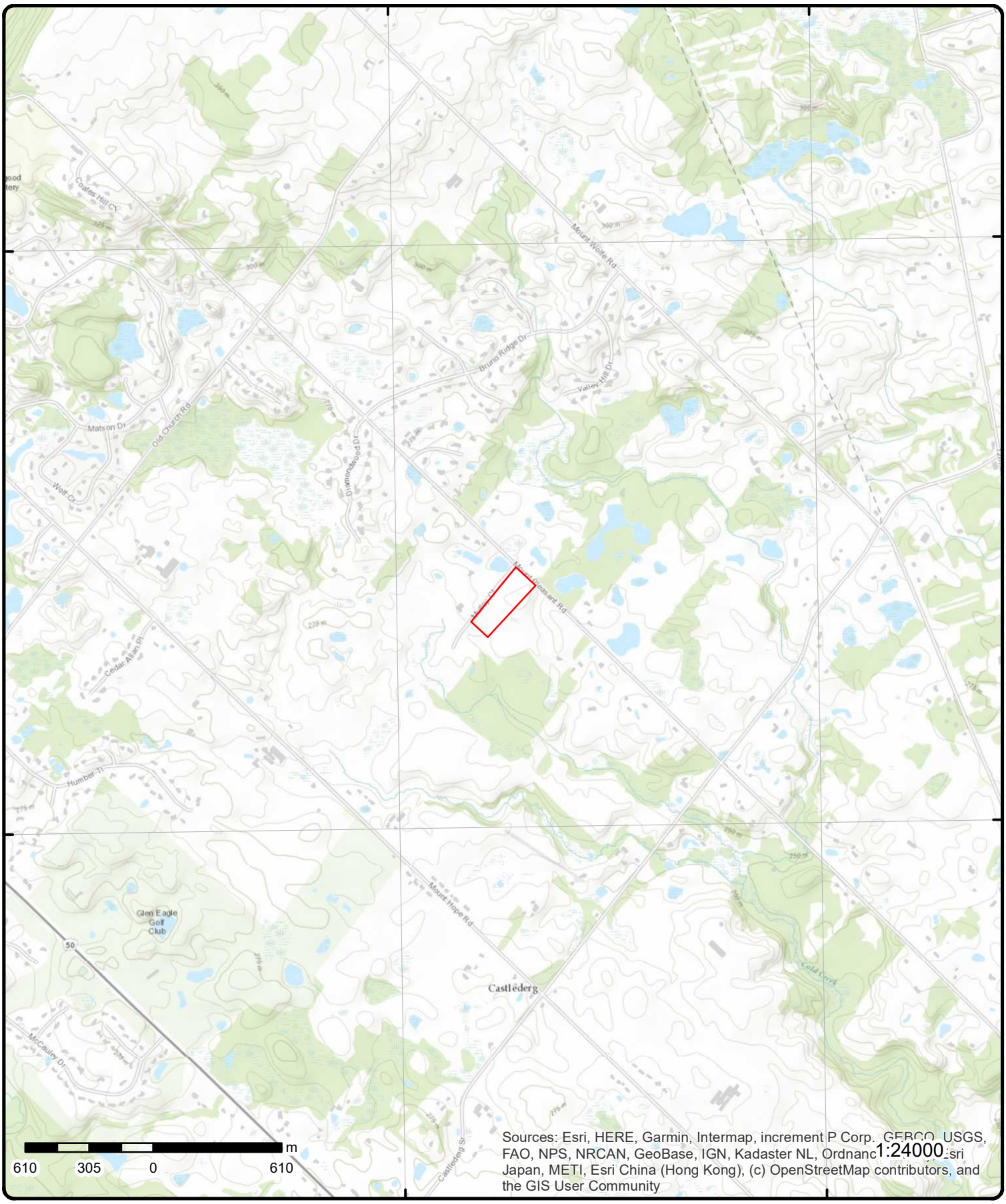
Aerial

Year: 2006

Order Number: 21050400145

Address: Part 1 Plan 43R-2652, Kleinburg, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 21050400145

Address: Part 1 Plan 43R-2652, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	NNE/26.2	264.8 / -5.10	Stellar Homes Inc. 15462 Mount Pleasant Rd Caledon ON L4G 1H4	ECA

Approval No:	0423-8U4H6N	**MOE District:**	Halton-Peel
Approval Date:	2012-05-08	**City:**	
Status:	Approved	**Longitude:**	-79.76835
Record Type:	ECA	**Latitude:**	43.93665
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Toronto	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Stellar Homes Inc.		
Address:	15462 Mount Pleasant Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0156-8TXJ7B-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 2	NNE/26.2	264.8 / -5.10	Stellar Homes Inc. 15462 Mount Pleasant Rd Caledon ON L4G 1H4	ECA

Approval No:	0350-93YN78	**MOE District:**	
Approval Date:	2013-01-30	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Stellar Homes Inc.		
Address:	15462 Mount Pleasant Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6503-8TMQLN-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NW/56.0	266.8 / -3.13	6 MULLOY CRT lot 18 con 8 Caledon ON	WWIS

Well ID:	7285427	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	4/20/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	6409
Casing Material:		**Form Version:**	7
Audit No:	Z232586	**Owner:**	
Tag:	A204307	**Street Name:**	6 MULLOY CRT
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (ALBION)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	08
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	

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

Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006383060	***Elevation:***	267.515991
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	598743
Code OB Desc:		***North83:***	4865433
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	4/3/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006686561
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006686555
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006686559
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006686560
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch

Screen Diameter:

Water Details

Water ID: 1006686558
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006686557
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

3 | ***1 of 1*** | ***N/57.8*** | ***264.9 / -5.02*** | ***lot 18 con 8 ON*** | ***WWIS***

Well ID: 4905627
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/9/1980
Selected Flag: Yes
Abandonment Rec:
Contractor: 3108
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (ALBION)
Site Info:
Lot: 018
Concession: 08
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4905627.pdf

Bore Hole Information

Bore Hole ID: 10320338
DP2BR: 446
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/1/1979
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation: 264.604064
Elevrc:
Zone: 17
East83: 598814.5
North83: 4865523
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932050652
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	81
Mat3 Desc:	SANDY
Formation Top Depth:	199
Formation End Depth:	228
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050649
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050655
Layer:	8
Color:	3
General Color:	BLUE
Mat1:	28
Most Common Material:	SAND
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	398
Formation End Depth:	435
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050657
Layer:	10
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 446
Formation End Depth: 487
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050651
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 87
Formation End Depth: 199
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050656
Layer: 9
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 435
Formation End Depth: 446
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050650
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 87
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932050653
Layer:	6
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	73
Mat2 Desc:	HARD
Mat3:	81
Mat3 Desc:	SANDY
Formation Top Depth:	228
Formation End Depth:	340
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050648
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050654
Layer:	7
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	340
Formation End Depth:	398
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964905627
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10868908
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930528558
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	446
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930528557
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	395
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994905627
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933793649
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	487
Water Found Depth UOM:	ft

4	***1 of 1***	***NNW/64.7***	***265.0 / -4.88***	***lot 18 con 8 ON***	***WWIS***

Well ID:	4905547	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	11/21/1979
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3662

Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (ALBION)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	08
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4905547.pdf

Bore Hole Information

Bore Hole ID:	10320275	***Elevation:***	265.994293
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	598764.5
Code OB Desc:	Overburden	***North83:***	4865473
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/10/1979	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932050390
Layer:	6
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35
Formation End Depth:	38
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050386
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050388
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050387
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050389
Layer: 5
Color: 2
General Color: GREY
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932050385
Layer: 1

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

Method of Construction & Well Use

Method Construction ID:	964905547
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10868845
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930528462
Layer:	3
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	38
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930528460
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	18
Casing Diameter:	36
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930528461
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	38
Casing Diameter:	36
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994905547
Pump Set At:	
Static Level:	15
Final Level After Pumping:	35
Recommended Pump Depth:	30
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934781224
Test Type:	Recovery
Test Duration:	45
Test Level:	33
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934527112
Test Type:	Recovery
Test Duration:	30
Test Level:	34
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934261372
Test Type:	Recovery
Test Duration:	15
Test Level:	34
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935046209
Test Type:	Recovery
Test Duration:	60
Test Level:	33
Test Level UOM:	ft

Water Details

Water ID:	933793575
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	7
Water Found Depth UOM:	ft

Water Details

Water ID:	933793576
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	30
Water Found Depth UOM:	ft

5 ***1 of 1*** ***N/127.6*** ***264.8 / -5.05*** ***ON*** ***BORE***

Borehole ID:	589741	***Inclin FLG:***	No
OGF ID:	215500336	***SP Status:***	Initial Entry
Status:	Unknown	***Surv Elev:***	No
Type:	Outcrop	***Piezometer:***	No
Use:		***Primary Name:***	OGS-OLW-62-948
Completion Date:		***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	43.937279
Total Depth m:	.9	***Longitude DD:***	-79.768222
Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	598861
Drill Method:		***Northing:***	4865644
Orig Ground Elev m:	264	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	264		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218340355	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.9	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Silt	***Geologic Formation:***	
Material 2:	Clay	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	si cl **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: -1939632069		
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

6 | **1 of 1** | **NW/129.2** | **265.8 / -4.14** | **lot 18 con 8 ON** | **WWIS**

Well ID:	4904243	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/14/1974
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4102
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (ALBION)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	08
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4904243.pdf

Bore Hole Information

Bore Hole ID:	10319031	**Elevation:**	266.577026
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	598711.5
Code OB Desc:	Overburden	**North83:**	4865510
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/19/1973	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932044897
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044898
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932044899
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 06
Mat3 Desc: SILT
Formation Top Depth: 15
Formation End Depth: 35
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964904243
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10867601
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930526772
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 15
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930526773
Layer:	2
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	35
Casing Diameter:	24
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994904243
Pump Set At:	
Static Level:	8
Final Level After Pumping:	
Recommended Pump Depth:	32
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933792275
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	12
Water Found Depth UOM:	ft

7	1 of 1	NE/130.4	268.2 / -1.73	lot 18 con 9 ON	WWIS

Well ID:	4905606	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	1/31/1980
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	3903
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (ALBION)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	09
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	

Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4905606.pdf

Bore Hole Information

Bore Hole ID:	10320322	***Elevation:***	267.482666
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	598964.5
Code OB Desc:	Overburden	***North83:***	4865623
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	5/29/1979	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932050590
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	226
Formation End Depth:	232
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050589
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	219
Formation End Depth:	226
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050586
Layer:	2

Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	21
Formation End Depth:	96
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050587
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:	96
Formation End Depth:	98
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050585
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932050588
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	98
Formation End Depth:	219
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964905606
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10868892
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930528537
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	228
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359805
Layer:	1
Slot:	014
Screen Top Depth:	228
Screen End Depth:	232
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	5.75

Results of Well Yield Testing

Pump Test ID:	994905606
Pump Set At:	
Static Level:	26
Final Level After Pumping:	50
Recommended Pump Depth:	120
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934261404

Test Type:	Draw Down
Test Duration:	15
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934781256
Test Type:	Draw Down
Test Duration:	45
Test Level:	49
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935046672
Test Type:	Draw Down
Test Duration:	60
Test Level:	49
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934527144
Test Type:	Draw Down
Test Duration:	30
Test Level:	42
Test Level UOM:	ft

Water Details

Water ID:	933793636
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	220
Water Found Depth UOM:	ft

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8 | ***1 of 1*** | ***NNE/168.8*** | ***266.5 / -3.36*** | ***lot 18 con 9 ON*** | ***WWIS***

Well ID:	4900480	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:		**Date Received:**	3/9/1964
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4610
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (ALBION)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4900480.pdf

Bore Hole Information

Bore Hole ID:	10315328	***Elevation:***	265.527526
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	598901.5
Code OB Desc:	Overburden	***North83:***	4865687
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	1/29/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932030282
Layer:	8
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	210
Formation End Depth:	219
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932030277
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18
Formation End Depth:	48
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932030278
Layer:	4
Color:	2
General Color:	GREY
Mat1:	09

Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 48
Formation End Depth: 102
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932030280
Layer: 6
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 103
Formation End Depth: 203
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932030279
Layer: 5
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 102
Formation End Depth: 103
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932030275
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932030276
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932030281
Layer:	7
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	203
Formation End Depth:	210
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932030283
Layer:	9
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	219
Formation End Depth:	316
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964900480
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10863898
Casing No:	1
Comment:	

Alt Name:

Construction Record - Casing

Casing ID: 930521423
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933788432
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 203
Water Found Depth UOM: ft

Water Details

Water ID: 933788431
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102
Water Found Depth UOM: ft

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9 ***1 of 1*** ***NE/241.8*** ***269.9 / -0.03*** ***lot 18 con 9 ON*** ***WWIS***

Well ID: 4903698
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 11/1/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 3612
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (ALBION)
Site Info:
Lot: 018
Concession: 09
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4903698.pdf

Bore Hole Information

Bore Hole ID: 10318531
DP2BR:
Elevation: 272.357391
Elevrc:

Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	599064.5
Code OB Desc:	Overburden	***North83:***	4865683
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/7/1971	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932042708
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932042707
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932042710
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	22
Formation End Depth:	42

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932042709
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 22
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964903698
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10867101
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930526102
Layer: 2
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 42
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930526101
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 22
Casing Diameter: 36
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994903698

Pump Set At:	
Static Level:	22
Final Level After Pumping:	40
Recommended Pump Depth:	39
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934785569
Test Type:	Recovery
Test Duration:	45
Test Level:	37
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934256899
Test Type:	Recovery
Test Duration:	15
Test Level:	39
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934531428
Test Type:	Recovery
Test Duration:	30
Test Level:	38
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935050485
Test Type:	Recovery
Test Duration:	60
Test Level:	36
Test Level UOM:	ft

Water Details

Water ID:	933791741
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	22
Water Found Depth UOM:	ft

Unplottable Summary

Total: 4 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 17 Con 8	Peel ON	
AAGR		Lot 17 Con 9	Peel ON	
CA	BRUNO BROTHERS PARTNERSHIP PROPERTY	PT.LOTS 18&19/CON.9 (SWM)	CALEDON TOWN ON	
SPL	The Regional Municipality of Peel	Mount Pleasant Rd.	Caledon ON	

Unplottable Report

Site:
Lot 17 Con 8 Peel ON

Database: ***AAGR***

Type:
Region/County: Wellington
Township: Peel
Concession: 8
Lot: 17
Size (ha):
Landuse:
Comments:

Site:
Lot 17 Con 9 Peel ON

Database: ***AAGR***

Type:
Region/County: Wellington
Township: Peel
Concession: 9
Lot: 17
Size (ha):
Landuse:
Comments:

Site: ***BRUNO BROTHERS PARTNERSHIP PROPERTY***
PT.LOTS 18&19/CON.9 (SWM) CALEDON TOWN ON

Database: ***CA***

Certificate #: 3-0792-95-
Application Year: 95
Issue Date: 8/23/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Regional Municipality of Peel***
Mount Pleasant Rd. Caledon ON

Database: ***SPL***

Ref No: 4645-5ZELWG
Site No:
Incident Dt: 5/27/2004
Year:
Incident Cause: Other Discharges
Incident Event:
Contaminant Code: 99
Contaminant Name: WATER
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:

Discharger Report:
Material Group: Miscellaneous
Health/Env Conseq:
Client Type:
Sector Type: Water Supply
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Halton-Peel
Site Postal Code:
Site Region: Central

Environment Impact:	Possible	***Site Municipality:***	Caledon
Nature of Impact:	Soil Contamination; Vegetation Damage	***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:	5/28/2004	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spill to Land
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	PALGRAVE WELL<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Palgrave Well,reservoir overflow,potable H2O leak		
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 Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Dec 2020

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Mar 31, 2021

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Mar 31, 2021

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-Mar 31, 2021

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- Mar 31, 2021

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-Jan 31, 2021

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Jan 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jan 31, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Dec 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Mar 31, 2021

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-Mar 31, 2021

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Mar 31, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2021

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Mar 31, 2021

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

HISTORICAL AERIALS

Project Property:	Mount Pleasant Rd. Part 1 Plan 43R-2652 Kleinburg ON L7E 3M4
Project No:	11452
Requested By:	Aeon Egmond Ltd.
Order No:	21050400145
Date Completed:	May 05, 2021

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

Decade	Year	Image Scale	Source
1960	Not Available		
1970	1976	50000	NAPL
1980	1985	40000	NAPL

0 0.125 0.25 0.5 Kilometers

Order Number: 21050400145

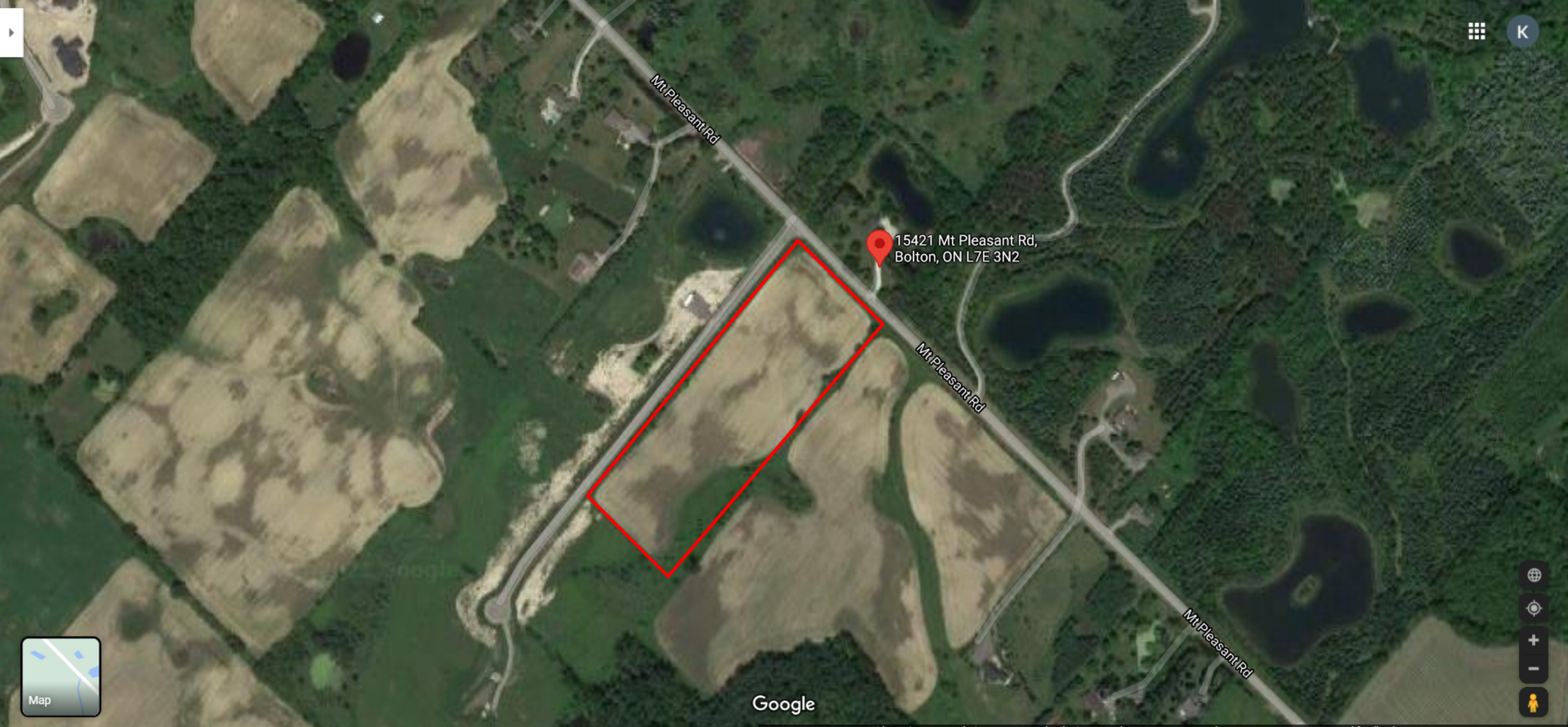
Year: 1976
Source: NAPL
Map Scale: 1: 10000
Comments:

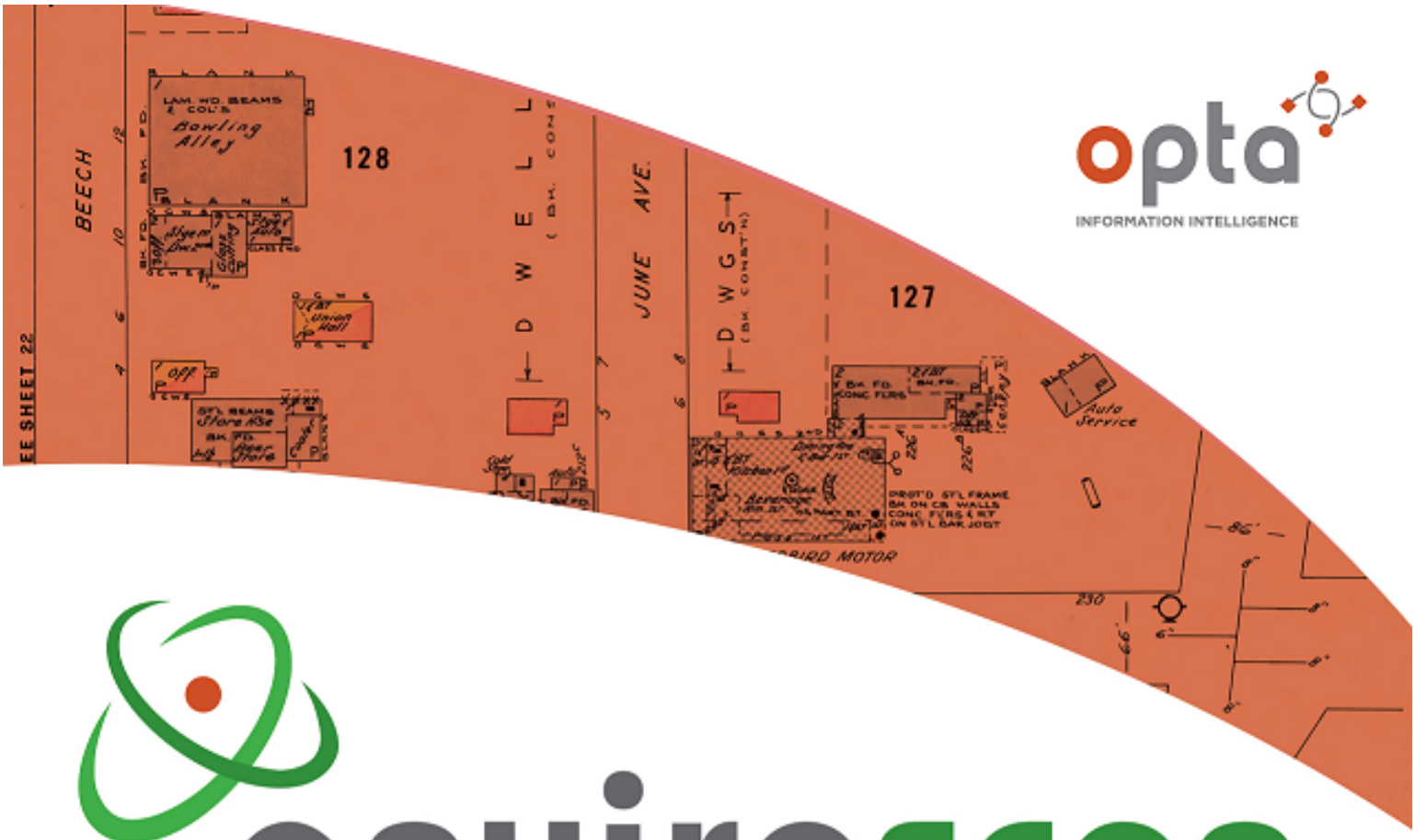
0 0.125 0.25 0.5
Kilometers

Order Number: 21050400145

Year: 1985
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS


Mt Pleasant Rd
15421 Mt Pleasant Rd,
Bolton, ON L7E 3N2
Mt Pleasant Rd
Mt Pleasant Rd
Map
Google



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:

Stephanie

Site Address:

Part 1 Plan 43R2652 Kleinburg ON

Project No:

21050400145

Opta Order ID:

90011

Requested by:

Eleanor Goolab
Ecolog Eris

Date Completed:

5/10/2021 9:00:39 AM

Project Name: Mount Pleasant Rd.

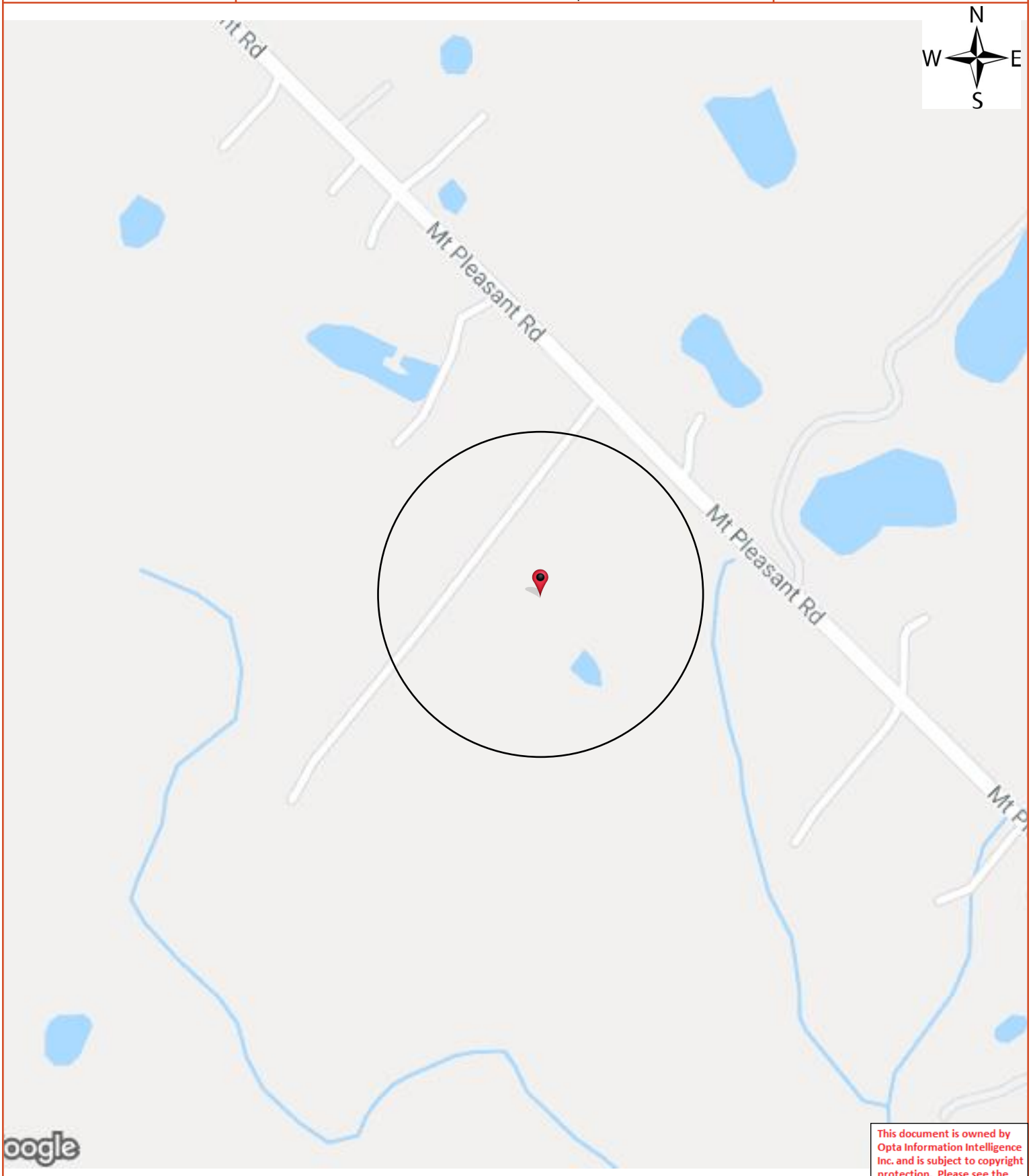
Project #: 21050400145
P.O. #: 11452

ENVIROSCAN Report

Search Area: Part 1 Plan 43R2652 Kleinburg ON

Requested by:
Eleanor Goolab
Date Completed: 05/10/2021 09:00:39

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.

Project Name: Mount Pleasant Rd.

Project #: 21050400145
P.O. #: 11452

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 05/10/2021 09:00:39

enviroscan
OPTA INFORMATION INTELLIGENCE

No Records Found

1705 Argentia Rd, Unit 3
Mississauga, ON L5N 3A9
aelenv.com

APPENDIX 2
GOVERNMENT RECORDS

1705 Argentia Rd, Unit 3
Mississauga, ON L5N 3A9
aelenv.com

Contacts with various government agencies were made.

Not all responses were received before the report was issued

Kevin Kim

From: Public Information Services <publicinformationservices@tssa.org>
Sent: May 12, 2021 12:06 PM
To: Kevin Kim
Cc: Cristy Knott
Subject: RE: Tank Information - Part 1 Plan 43R-2652, Caledon, Ontario (AEL Ref: 11452)

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

NO RECORD FOUND

Hello Kevin,

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,

Saara

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: Kevin Kim <kkim@aelenv.com>
Sent: May 12, 2021 12:04 PM
To: Public Information Services <publicinformationservices@tssa.org>
Cc: Cristy Knott <cristyknott@gmail.com>
Subject: RE: Tank Information - Part 1 Plan 43R-2652, Caledon, Ontario (AEL Ref: 11452)

Hello,

Thank you for letting me know. The property is identified as:

Part of Lot 18, Concession 8, Geographic Township of Albion, Town of Caledon, Regional Municipality of Peel.

Please let me know if you have any questions or concerns.

Regards,

Kevin Kim, B.A.Sc., EIT *Environmental Scientist*
AEL environment | 1705 Argentia Road, Unit 3, Mississauga ON L5N 3A9
D 647-956-7362 | T 416-657-2367 | aelenv.com

From: Public Information Services <publicinformationservices@tssa.org>
Sent: May 12, 2021 12:01 PM
To: Kevin Kim <kkim@aelenv.com>
Cc: Cristy Knott <cristyknott@gmail.com>
Subject: RE: Tank Information - Part 1 Plan 43R-2652, Caledon, Ontario (AEL Ref: 11452)

Hello Kevin,

Please note that we are only able to search for records with a) a municipal address or b) Lot #, Concession #. Have a pleasant day.

Kind regards,

Saara Torrison

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: Kevin Kim <kkim@aelenv.com>
Sent: May 12, 2021 10:35 AM
To: Public Information Services <publicinformationservices@tssa.org>
Cc: Cristy Knott <cristyknott@gmail.com>
Subject: Tank Information - Part 1 Plan 43R-2652, Caledon, Ontario (AEL Ref: 11452)

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

We are currently completing a Phase I ESA. Could you please search your records for the following property for any records or reference to aboveground or underground storage tanks:

Part 1 Plan 43R-2652, Caledon, Ontario (closest municipal address is 15421 Mount Pleasant Road, located directly northeast of the property).

Please see attached photo for property boundaries.

Thank you.

Kevin Kim, B.A.Sc., EIT *Environmental Scientist*
AEL environment | 1705 Argentia Road, Unit 3, Mississauga ON L5N 3A9
D 647-956-7362 | **T** 416-657-2367 | **aelenv.com**

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1705 Argentia Rd, Unit 3
Mississauga, ON L5N 3A9
aelenv.com

APPENDIX 3
PROPERTY INFORMATION SURVEY

Name of person filling out survey: **Robert Whyte**
Email Address: rwhyte@caldereng.com
Company: **Calder Engineering Ltd.**
Position: **Project Manager**
Phone Number: 905-857-7600

Time of survey completion: **5/17/2021 2:58:53 PM**

What is the address this survey is being completed for?
0 Mount Pleasant Road

What year was the property developed?
Not Applicable - property currently used for agricultural purposes

Has the current owner (or predecessor companies) owned the property since it was developed for its current use?
No

Please describe the current site use(s).
Agriculture

Identify any prior owners of the site (if known) and years of use.
unknown

Please describe any previous land use associated with the site (if known).
unknown

List any buildings on site.
potentially small shack along south property line

Are the buildings heated? If so, how?
unknown

Is there a transformer located on site that is owned by the local electrical utility?
I don't know

Are there any non-utility oil filled electrical transformers (i.e., owned transformers) at the site?
I don't know

Describe owned transformers on-site (size, type, age, use, etc.)
unknown

Are there PCB containing transformers or PCB waste stored at the site?
Don't know

Are there hazardous chemicals (other than PCBs) stored or used on-site?
Don't know.

Please list the chemicals.
unknown

Have there ever been spills at the site?
None recorded/known

List relevant spills information (date, was it reported to MECP or government agency, material, cleanup actions taken, volume, etc.).
unknown

From the list below, select any of the operations which apply to the properties immediately adjacent to the site.
Not applicable

Are there any above or below ground storage tanks on site?
No

Please list number of tanks, whether above or below ground, age, contents, type (fiberglass, metal), and size.
unknown

Are there any other underground structures, such as a basement, an oil/water interceptor, or sumps, on the site?
No

Please describe the underground structures, such as a basement, an oil/water interceptor, or sumps,

on the site.
unknown

Has there ever been asbestos containing material found at the site?
Don't know

Has lead-based paint ever been used at the site?
Don't know

Are/were herbicides used at the site?
Don't know

Is there a source of potable water at the site?
No water supply

Is the site serviced by municipal sewers?
No

Is there (or has there been) a septic bed at the site?
Don't know

Has fill ever been placed on the site?
None known

Where was fill placed? How much? What was the source?
No known fill placement on site.

Are there any tenants operating on the site?
No

Please list tenant information and details (name, permitted use, lease since, etc.)
Not known

Has the property ever been used for any of the activities listed in Table 2 of Schedule D of O. Reg. 153/04: Records of Site Condition? Check all that apply. If none apply, please select "none of the above".
None of the above

Do you know of any other operations or incidents at this or any neighbouring property that might have resulted in a negative impact on the environmental conditions of the property or its immediate surroundings?
None known to the best of my knowledge.

1705 Argentia Rd, Unit 3
Mississauga, ON L5N 3A9
aelenv.com

APPENDIX 4
SITE RECONNAISANCE PHOTOGRAPHS

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Photo 1: South west view of the Site taken from the northeast corner (photo taken across Mount Pleasant Rd).

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Photo 2: Northward view from southern boundary of property. New residential development shown across Mulloy Ct. Groundcover across site is native soil.

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Photo 3: Eastward view across the Site towards Mount Pleasant Rd. Wire fence that extends across northern and western property boundary shown in photo.

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Photo 4: Southward view across the Site to adjacent agricultual and residential land.

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APPENDIX 5
AUTHORIZATION AND TERMS

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Terms of Engagement

GENERAL - Aeon Egmond Ltd. (AEL) and the Client (as described in the attached proposal) agree that any professional services, including subsequent services and charges (collectively the Services) to be provided by AEL relating to the Proposal will be subject to the following Terms and Conditions.

STANDARD OF CARE – Services provided by AEL will be conducted with a level of care ordinarily provided by the engineering and geosciences professions under similar site and time constraints. No warranty, express or implied is made. AEL's work may result in damage to surfaces, the restoration of which is not part of this agreement.

SITE ACCESS – The Client provides right of entry to AEL and their subcontractors to carry out the work.

INFORMATION – The Client warrants that it has provided AEL all information known to, or suspected by the Client relating to the past and existing condition of the Site, including but not limited to soil and groundwater data, hazardous materials and buried utilities. AEL may rely on such information.

SAFETY – AEL is responsible only for its activities and that of its employees.

PAYMENT - Charges for the service(s) rendered will be made in accordance with the Consultant's Schedule of Fees and Disbursements as the services are rendered. Invoices will be due and payable on receipt from the date of the invoice without holdback. Interest on overdue accounts is 2% per month, collection fees being extra and payable on collection (where allowed). If the account is not paid within 60 days from the date of the invoice then AEL shall have the right to suspend all work under this agreement without prejudice.

CHANGES IN WORK SCOPE – AEL and the Client agree that it may be necessary to modify the scope of work, schedule and/or cost estimate proposed in the agreement.

INSURANCE – AEL carries $1,000,000 in commercial general liability, professional liability and automobile coverage. Details on our standard coverage is available on request. AEL maintains worker's compensation coverage to statutory amounts.

LIMITATION OF LIABILITY – The Client agrees to limit the liability of AEL, its employees, officers, directors, agents, consultants and subcontractors to matters which arise directly from AEL's acts, errors or omissions and such that the total aggregate liability of AEL, whether arising in contract, tort, or otherwise, shall not exceed the greater of $50,000 or AEL's total fee for services. Any liability shall expire one year after substantial completion of the services. Neither party shall be responsible for lost revenues, profits, cost of capital, claims of customers, or other special, indirect, consequential or punitive damages.

MUTUAL INDEMNITY – AEL agrees to indemnity, defend and save harmless the Client, its officers, directors, employees, subcontractors and agents from and against all claims, damages, losses and expenses (including but not limited to legal fees) arising from personal injury, death or damage to third party property to the extent arising from the negligent acts, errors and omissions of AEL. The Client agrees to indemnity, defend and save harmless AEL, its officers, directors, employees, subcontractors and agents from and against all claims, damages, losses and expenses (including but not limited to legal fees) arising out of or resulting from the Services or work of AEL including but not limited to, claims made by third parties or any claims against AEL arising from the acts, errors, or omissions of the Client or others. To the fullest extent permitted by law, such indemnifications shall apply regardless of breach of contract or strict liability of AEL. Such indemnity shall not apply to the extent that AEL is finally determined to be negligent.

SUBSURFACE RISKS – Special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions and even a comprehensive sampling and testing program may fail to detect certain conditions. The environmental, geological, geotechnical, geochemical and hydrogeological conditions that AEL interprets to exist between sampling points may differ from those that actually exist. The client agrees to waive any claim against AEL and agrees to defend, indemnify and hold AEL harmless from any claim or liability for injury or loss which may arise as a result of any damage and resulting impacts to subterranean structures, utilities or cross-contamination caused by any subsurface investigation.

DISCOVERY OF HAZARDOUS MATERIALS – The Client recognized that hazardous or suspected hazardous substances may be discovered at the site in the course of the work and that the presence of such substances are not the responsibility of AEL. All contaminated samples, materials, and field equipment that cannot be readily cleaned, shall remain the property and responsibility for the Client for proper handling and disposal. The client agrees that the discovery of any such substances shall constitute a changed condition for which AEL shall be fairly compensated. The client agrees to waive any claim against AEL and agree to defend, indemnify and hold AEL harmless from any claim or liability for injury or loss of any type arising from any alleged or actual discovery of hazardous or suspected hazardous substances.

DOCUMENTS – All reports, plans, data, notes, drawings and other documents prepared by AEL are considered its professional work product and shall remain the copyright property of AEL. The services and documents provided by AEL are intended for one time use only. At the request and expense of the Client, AEL shall provide the Client with copies of such documents. The Client acknowledges that electronic media are susceptible to unauthorised modification deterioration and incompatibility and therefore the Client cannot rely upon the electronic media version.

DELAYS – If site conditions prevent or inhibit performance of the work or unrevealed hazardous waste materials or conditions are encountered services under this Agreement may be delayed. The client shall not hold AEL responsible for damages or delays in performance caused by any such delays, or delays caused by the Client, its subcontractors, acts of God, acts and/or omissions of governmental authorities and regulatory agencies or other events which are beyond the reasonable control of AEL.

LITIGATION - The Client shall reimburse AEL for all direct expenses and time in connection with any disputes, litigation or arbitration involving representatives or documents of AEL arising out of the Services in accordance with AEL's prevailing Schedule of Fees.

PROPERTY TRANSACTIONS – In connection with any contemplated or actual purchase or sale of property related to the work, AEL will not be responsible for the independent conclusions, interpretations, interpolations and/or decisions for the Client or others arising out of data which is directly the product of AEL's services.

MISCELLANEOUS – This agreement supersedes all other agreements, oral or written and contains the entire agreement of at the parties concerning its subject matter. No cancellation, modification, amendment, deletion, addition, waiver or other change in the Agreement shall have effect unless specifically set forth in writing singed by the party to be bound thereby. **The Client acknowledges and agrees that if it accepts this engagement letter, or AEL performs the services contemplated therein, then the above Terms of Engagement shall constitute a binding agreement for the sole benefit of the Client and AEL and that no third party beneficiaries are created by this agreement.**