



**REPORT**

# Phase One Environmental Site Assessment

*Boyington Pit #3, 4499 to 4589 Concession Road 7, Uxbridge, Ontario*

Submitted to:

**The Miller Group**

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## 1.0 EXECUTIVE SUMMARY

Golder Associates Ltd. (“Golder”) was retained by The Miller Group (“Miller”) to conduct a Phase One Environmental Site Assessment (“ESA”) for part of Miller’s Boyington #3 aggregate pit located at 4499 to 4589 Concession Road 7, Uxbridge, Ontario (herein referred to as the “Site” or “Phase One Property”).

The Phase One Property consists of an 82.5-acre (33.4 hectare) parcel of land. At the time of the first Site reconnaissance, conducted on August 24, 2017, the Phase One Property was developed with three residential houses, a contractor yard, a storage warehouse, and an asphalt plant which included a scale house, a control tower, and a boiler house. The surrounding properties within the Phase One Study Area included residential and agricultural property uses. The boiler house was not accessible, and an additional Site visit was conducted on May 8, 2018 to inspect the interior of the boiler house.

It is understood this report is to support the proposed development of the Phase One Property.

The Phase One Property has been owned by private individuals from 1807 to 1955. The western portion of the Phase One Property was developed with three residential dwellings since at least 1927. The remainder of the Site was developed as a gravel pit in the 1960/70s and has included an asphalt plant since at least 1995. A small asphalt plant may have been present at the Phase One Property as early as 1977 in the location of the current asphalt plant. This asphalt plant was replaced in the 1980s with a building that was similar to the current asphalt plant. Miller and related companies have owned the Phase One Property since 1965. Based on the available information, the first developed use of the Phase One Property is 1927.

The Phase One ESA was completed in accordance with Ontario Regulation (“O. Reg.”) 153/04 and included a review of available current and historical information on the Site and surrounding properties, a Site walkover, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 10.0 of this report. The Site is considered an enhanced investigation property as defined by O. Reg. 153/04.

Based on the information obtained and reviewed as part of this Phase One ESA, eight potentially contaminating activities (“PCA”) and eight areas of potential environmental concern (“APEC”) were identified on the Phase One Property. It is acknowledged that the industrial use of the Site since 1965 for aggregate extraction represents an APEC; however, the investigation of this APEC within the area of aggregate extraction is not required in accordance with Section 32(3) of O. Reg. 153/04.

Based on the above, a Phase Two ESA is required to support submission of a Record of Site Condition (“RSC”) for the Site, if an RSC is required as a condition of planning approval.

Response to Golder’s request for information from the Ministry of Environment, Conservation and Parks (“MECP”) was not available at the time of report preparation.

## 2.0 INTRODUCTION

### 2.1 Phase One Property Information

Golder Associates Ltd. (“Golder”) was retained by The Miller Group (“Miller”) to conduct a Phase One Environmental Site Assessment (“ESA”) of part of Miller’s Boyington #3 aggregate pit located at 4499 to 4589 Concession Road 7, Uxbridge, Ontario. The details of the location of the Phase One Property are as follows:

<b>Municipal Address</b>	4499-4589 Concession Road 7, Uxbridge, Ontario
<b>Property Identification Number</b>	26839-0008(LT)
<b>Legal Description</b>	Part of Lot 18 and 19 and Part of Lot 20, Concession 7, Town of Uxbridge, Regional Municipality of Durham.

The location of the Phase One Property is provided on Figure 1. A plan of survey for the Phase One Property is provided in Appendix A.

Authorization to proceed with this investigation was received from Mr. George Antoniuk of Miller on July 18, 2017. The contact information for the owner of the Phase One Property is:

<b>Site Owner / Client</b>	<b>Address</b>	<b>Contact Information</b>
Client: The Miller Group Owner: Miller Paving Limited	505 Miller Avenue, P.O. Box 4080, Markham, Ontario L3R 9R8	Mr. George Antoniuk Office: (905) 475-1724 Email: George.Antoniuk@millergroup.ca

### 3.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Phase One Property and a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre ("m") radius of the boundary of the Phase One Property (collectively referred to as the "Phase One Study Area"). The boundary of the Phase One Study Area is presented in Figure 1.

According to Ontario Regulation ("O. Reg.") 153/04 *Records of Site Condition*, the objectives of a Phase One ESA are to:

- 1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site;
- 2) Determine the need for a Phase Two ESA;
- 3) Provide a basis for carrying out a Phase Two ESA;
- 4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA; and,
- 5) Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

### 4.0 RECORDS REVIEW

#### 4.1 General

##### 4.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 m radius of the boundary of the Site. Based on Golder's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Phase One Property and observations of neighbouring properties

made during the Site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Phase One Property was sufficient to achieve the objectives of the Phase One ESA.

#### 4.1.2 First Developed Use Determination

The date of first developed use of the Phase One Property was determined based on review of the chain of title information, aerial photographs, city directories, EcoLog Environmental Risk Information Services Ltd. (“ERIS”) Report, and information provided by the Site representatives. The Phase One Property has been owned by private individuals from 1807 to 1955. The western portion of the Phase One Property was developed with three residential dwellings since at least 1927. The remainder of the Phase One Property was developed as a gravel pit in the 1960/70s and may have included an asphalt plant since at least 1977.

Based on the available information, the first developed use of the Phase One Property is 1927.

#### 4.1.3 Fire Insurance Plans

Opta Information Intelligence (“Opta”) was contacted by Golder and requested to review their records for any information (i.e., fire insurance plans or reports) relating to the Phase One Property. Golder was informed by Opta on August 16, 2017 that no records were found.

#### 4.1.4 Chain of Title

Chain of title information for the Phase One Property was obtained from EcoLog ERIS. Previous owners of the Phase One Property have included:

##### Lot 18, Concession 7 (the Phase One Property comprises a portion)

Owner's Name	Dates of Ownership
Crown	Prior to March 10, 1807
Elizabeth Ker	March 10, 1807 to February 14, 1826
James Brown	February 14, 1826 to February 15, 1842
John Ridout	February 15, 1842 to October 6, 1845
Andrew Heron	October 6, 1845 to March 21, 1867
Edward Walker	March 21, 1867 to December 31, 1869
Edward Ashton	December 31, 1869 to October 30, 1874
Richard Patterson	October 30, 1874 to March 14, 1905
Joseph Catherwood	March 14, 1905 to December 3, 1924
Isaac Catherwood	December 3, 1924 to May 5, 1955
Donald Boyington	May 5, 1955 to October 19, 1955 (Part A) May 5, 1955 October 15, 1965 (Part B) May 5, 1955 to September 7, 1960 (Part C)
The Board of School Trustees for School Section No. 11 Uxbridge / The Ontario County Board of Education (Part A)	October 19, 1955 to August 31, 1971
B.H.L Farms Limited – Order of Foreclosure	September 7, 1960 to July 28, 1964

Owner's Name	Dates of Ownership
(Part C)	
Donald Boyington (Part C)	July 28, 1964 to October 15, 1965
The Markham Sand and Gravel Limited (Part B and C)	October 15, 1965 to June 8, 2001
The Markham Sand and Gravel Limited (Part A)	August 31, 1971 to June 8, 2001
Miller Paving Limited (formerly Markham Sand and Gravel Limited) (Parts A and C) <sup>1</sup>	Since June 8, 2001

<sup>1</sup>Markham Sand and Gravel Limited changed its company name to Miller Paving Limited

#### Lot 19, Concession 7 (the Phase One Property comprises a portion)

Owner's Name	Dates of Ownership
Crown	Since March 9, 1807
Catherine Woolman	March 9, 1807 to November 11, 1814
William Moffatt	November 30, 1814 to July 11, 1815
Andrew Heron	July 11, 1815 to November 7, 1867
Robert Ledyard	November 7, 1867 to November 16, 1894
William Weir	November 16, 1894 to November 12, 1910
Isaac Catherwood	November 12, 1910 to May 5, 1955
Donald Boyington	May 5, 1955 to October 19, 1955 (Part B) May 5, 1955 to October 15, 1965 (Part A)
The Board of School Trustees of School Section No. 11 Uxbridge Twsp. / The Ontario County Board of Education (Part B)	October 19, 1955 to August 31, 1971
Markham Sand and Gravel Limited (Part A)	October 15, 1965 to June 8, 2001
Markham Sand and Gravel Limited (Part B)	August 31, 1971 to June 8, 2001
Miller Paving Limited (formerly Markham Sand and Gravel Limited) <sup>1</sup>	Since June 8, 2001

<sup>1</sup>Markham Sand and Gravel Limited changed its company name to Miller Paving Limited

#### Part of Lot 20, Concession 7 (the Phase One Property comprises a portion)

Owner's Name	Dates of Ownership
Crown	Since March 14, 1857
James Henderson	March 14, 1857 to May 12, 1870
Edward Wheeler	May 12, 1870 to March 12, 1873
George Wheeler	March 12, 1873 to May 13, 1889



Owner's Name	Dates of Ownership
Mary Smith	May 13, 1889 to May 13, 1889
Joseph Catherwood	May 13, 1889 to April 4, 1919
Robert Gourlie	April 4, 1919 to November 26, 1920
Charles Henry Gourlie	November 26, 1920 to June 3, 1955
Donald Boyington	June 3, 1955 to October 15, 1965
Markham Sand and Gravel Limited	October 15, 1965 to June 8, 2001
Miller Paving Limited (formerly Markham Sand and Gravel Limited) <sup>1</sup>	Since June 8, 2001

<sup>1</sup>Markham Sand and Gravel Limited changed its company name to Miller Paving Limited

### 4.1.5 City Directories

A review of historical city directories for the years 1960, 1965, 1970/71, 1976, 1984, 1989, 1994 and 1999 was completed by LGI Copy Services Canada ("LGI") for the Phase One Property and surrounding properties (within 250 m) along Concession Road 7, Reid Road, and Wagg Road.

Based on Golder's review of the city directory information, the following summarizes the noteworthy findings of the city directory review.

#### Phase One Property

- There were no listings in the city directories.

#### Surrounding Area

- There were no listings along Concession Road 7, Reid Road, or Wagg Road in the city directories.

### 4.1.6 Environmental Reports

Golder was not provided with any previous environmental reports for the Phase One Property or neighbouring properties.

## 4.2 Environmental Source Information

Golder contracted EcoLog ERIS to conduct a search of environmental sources, including federal, provincial and private sector databases, for information on the Phase One Property and Study Area. The EcoLog ERIS report is provided in Appendix C. In addition, EcoLog ERIS provided Golder with the following six reference maps: Bedrock Geology of Ontario; Ontario Base Mapping ("OBM") Data; Physiography of Southern Ontario; Soil Survey Complex; The Surficial Geology of Southern Ontario; and Areas of Natural and Scientific Interest ("ANSI"). These maps are provided in Appendix C.

The databases searches included the following databases:

Anderson's Waste Disposal Sites; Certificates of Approval; Environmental Registry; the Technical Standards and Safety Authority ("TSSA") Commercial Fuel Oil Tanks; Coal Gasification Plants; TSSA Fuel Storage Tanks; National Defence & Canadian Forces Fuel Storage Tanks, Spills, and Waste Disposal Sites; National PCB Inventory; National Pollutant Release Inventory; Ontario Inventory of PCB Storage Sites; Ontario Regulation 347 Waste

Receivers Summary; Record of Site Condition; Retail Fuel Storage Tanks; Private and Retail Fuel Storage Tanks; Ontario Spills; Anderson's Storage Tanks; Waste Disposal Sites – MOE CA Inventory; Waste Disposal Sites – MOE 1991 Historical Approval Inventory; Water Well Information Systems, Databases; Boreholes; and the Ontario Regulation 347 Waste Generators Summary.

Based on Golder's review, the Ecolog ERIS report indicated the following noteworthy findings originating at the Phase One Property:

- Miller Paving Limited was listed with a Class A aggregate licence at Lots 18, 19 and 20, Concession 7 in Uxbridge, Ontario. The maximum tonnage was listed at 816,000 tonnes;
- Miller Paving Limited was listed under hazardous waste generator number ON0305908 from 1992 to 2006 and in 2012, 2013, 2015 and 2016 for generation of light fuels waste. Waste oils and lubricants were also listed in 2013, 2015 and 2016;
- Miller Paving Limited was listed with a \$425 conviction under the Environmental Protection Act, O. Reg. 361/98, Section 12(5);
- Miller Paving Limited was listed for a Certificate of Approval ("C of A") for air discharge dated July 31, 2009; and,
- Miller Paving Limited was listed in the National Pollutant Release Inventory database in 2002 to 2005 and 2007 for particulate matter (< 10µm and <2.5 µm), volatile organic compounds, nitrous oxide, nitrogen oxides, carbon dioxide, carbon monoxide, sulphur dioxide, methane and HFC-134a hydrofluorocarbon.

Three water supply wells were listed at the Phase One Property with the following details:

Well ID	Date	Use	Well Depth (mbgs)	Water Level (mbgs)	Stratigraphy
1907293	April 8, 1985	Industrial Water Supply	44.5	35.5	Sand underlain by sandy clay
4603011	April 23, 1955	Livestock Water Supply	45.1	40.5	Gravel underlain by clay, sand and gravel
4603012	April 12, 1956	Livestock Water Supply	47.2	41.1	Gravel underlain by sand

Noteworthy records reported for the Phase One ESA Study Area (excluding the Phase One Property) included the following:

- Six water wells were listed within the Phase One ESA Study area with the following details:

Well ID	Date	Use	Well Depth (mbgs)	Water Level (mbgs)	Stratigraphy
4604975	Nov 29, 1971	Domestic Water Supply	70.1	37.8	Sand underlain by clay and sand
4605891	May 30, 1974	Domestic Water Supply	62.5	50.3	Sand underlain by clay, sand and silt

Well ID	Date	Use	Well Depth (mbgs)	Water Level (mbgs)	Stratigraphy
4604087	June 27, 1969	Domestic Water Supply	39.3	32.6	Sand
4604257	Nov 25, 1969	Domestic Water Supply	57.6	50.3	Sand underlain by clay and sand
1907004	July 18, 1984	Domestic Water Supply	56.4	41.1	Sand
4604940	March 2, 1971	Domestic Water Supply	56.0	32.9	Sand

#### 4.2.1 Ministry of Environment, Conservation and Parks

The local district office of the Ministry of Environment, Conservation and Parks (“MECP”) was contacted to determine if the MECP has maintained a file with respect to the Phase One Property. Specifically, the MECP was asked to respond in writing to the following questions:

- Has the MECP ever issued any approvals, permits or licences for the Phase One Property?
- Has the MECP ever issued any control orders or violation notices with respect to the Phase One Property?

At the time of preparation of this report, the MECP had not issued a response to Golder.

#### 4.2.2 Technical Standards and Safety Authority, Fuel Safety Division Records

The TSSA maintains records related to registered underground storage tanks (“USTs”) for petroleum-related products. The TSSA was contacted to establish the status of the Phase One Property and to identify outstanding instructions, incident reports, fuel oil spills or contamination records. On August 22, 2017, TSSA reported via e-mail that there were no records on file pertaining to the Phase One Property.

### 4.3 Physical Setting Sources

#### 4.3.1 Aerial Photographs

Aerial photographs of the Site and neighbouring properties obtained from LGI for the years 1927, 1960, 1976, 1981 and 1995, as well as Google Earth® images from 2005 and 2012, were reviewed by Golder. Representative photographs were selected for review based on an approximate 10 year interval. The information obtained from the aerial photographs was limited by the quality and scale of the available aerial photographs. The earliest aerial photograph available was from 1927.

In general, the review of the available aerial imagery does not note any evidence of fill importation, other ASTs, or the asphalt plant at the Phase One Property prior to 1995. The Ministry of Natural Resources and Forestry (“MNR”) approved site plans do not allow for the importation of fill other than reclaimed asphalt pavement. Miller reports that a small asphalt plant may have existed in the same location as the current plant as early as 1977. Aerial photographs are provided in Appendix D.

Information obtained from the review of the aerial photography is summarized in the following table.

Year	Site	Surrounding Area
1927	The Site is comprised of agricultural fields with a section of wooded land on the north portion of the Site. Two houses are visible on the property.	<b>North:</b> Agricultural fields and forested land. <b>East:</b> Agricultural fields. <b>South:</b> Reid Road followed by agricultural fields. <b>West:</b> Concession Road 7 followed by agricultural fields and forested land.
1960	The Site is developed with roadways and four buildings. The ground in the northwest portion of the Site appears to be disturbed.	As per the 1927 aerial photograph.
1976	The Site is developed as a gravel pit with Site-wide ground disturbance. Due to the resolution of the photo, Site features (i.e. buildings, roadways) cannot be distinguished.	As per the 1960 aerial photograph, however, some ground disturbance is visible to the west of the Site across Concession Road 7.
1981	As per the 1976 aerial photograph.  Miller reports that a small asphalt may have existed in the same location as the current asphalt plant as early as 1977; however, due to the resolution of the photo, Site features cannot be distinguished.	As per the 1976 aerial photograph.
1995	As per the 1981 aerial photograph, however, a several roadways are visible across the Site, as well a scale house and a cluster of buildings which are visible within the central portion of the Site. The original houses from the 1927 aerial photograph appear to remain on the property. A structure is present in the present-day location of the asphalt plant. Details of the structure are not clearly discernible, but it is generally similar to the present-day asphalt plant.	<b>North:</b> Agricultural fields and forested land. <b>East:</b> Agricultural fields and expansion of the gravel pit with a connecting roadway. <b>South:</b> Reid Road followed by agricultural fields and associated residential houses. <b>West:</b> Concession Road 7 followed by agricultural fields and forested land.
2005 (Google Earth® image)	As per the 1995 aerial photograph, except an asphalt plant surrounded by stockpiles is visible within the central portion of the Site.	As per the 1995 aerial photograph with the following exceptions: <b>North:</b> A continuation of the gravel pit with stockpiles, access roadways and disturbed ground. This is followed by agricultural fields with associated dwellings and forested land.
2012 (Google Earth® image)	As per the 2005 Google Earth® image.	As per the 2005 Google Earth® image.

Based on the aerial photographs, the Phase One Property appears to have included agricultural fields since at least 1927. The surrounding properties primarily included agricultural fields and associated structures. Industrial structures and disturbed lands were noted at the Phase One Property since at least 1960.

### 4.3.2 Topography, Hydrology, and Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Phase One Property. A topographic map (Ontario Base Map) showing the Site area and the location of any water bodies is provided in Appendix C. Additional information on Site features, as observed at the time of the Site visit, is provided in Section 6.

Topic	Conditions	Comment / Source
<b>Topography of Site and Surrounding Area</b>	The southern portion of the Site was generally flat. The northern and eastern portions of the Site had been excavated to approximately 5 meters below grade as part of the gravel extraction operations.	Site and surrounding area observations
<b>Overburden Soils</b>	Glacial fluvial deposits comprising of sand and gravel materials.	Surficial Geology of Southern Ontario accessed via OGS Earth online application.
<b>Type of Bedrock</b>	Upper Ordovician shale, limestone, dolostone, and siltstone.	Bedrock Geology of Ontario Map accessed via OGS Earth online application.
<b>Depth to Bedrock</b>	Not identified.	EcoLog ERIS Report
<b>Inferred Near Surface Groundwater Flow</b>	Based on local topography, groundwater is anticipated to flow in a northeast direction towards Uxbridge Brook, which is 2 km northeast of the Site. Based on water level data collected by Golder in October 2017, the inferred direction of groundwater flow at the Site is northwest.	Ontario Base Map provided to Golder by EcoLog ERIS
<b>Site Grade Relative to the Adjoining Properties</b>	The perimeter of the Site appears to follow the topography of the area and is at grade with respect to properties located adjacent to the Site.	Site observations
<b>Depth to Groundwater</b>	Groundwater in the vicinity of the Phase One Property has been reported at approximately 30 mbgs.	EcoLog ERIS Report, MOE Water Well Records

### 4.3.3 Fill Materials

Topic	Conditions	Comment / Source
<b>Fill Materials</b>	No fill materials were observed or reported. Further, Miller reports that asphalt grindings were used to construct the contractor yard in the southwest corner of the Site. The MNR approved Site plans do not allow for the importation of fill other than asphalt grindings. The recycled asphalt is used as a base layer for the contractor's yard and also introduced back into the asphalt mix.	Site observations, Site representative

#### 4.3.4 Water Bodies and Areas of Natural Significance

Topic	Conditions	Comment / Source
<b>Nearest Open Water Body</b>	Uxbridge Brook is located approximately 2 km northeast of Site. Lake Ontario is located approximately 27 km south of the Phase One Property.	Ontario Base Map provided to Golder by EcoLog ERIS
<b>Areas of Natural Significance (“ANSI”)</b>	None identified within the Phase One Study Area.	Ministry of Natural Resources Biodiversity Explorer on-line database. Areas of Natural & Scientific Interest Map provided to Golder by EcoLog ERIS.

#### 4.3.5 Well Records

Topic	Conditions	Comment / Source
<b>Water Wells on Site (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)</b>	Three water wells were reported to be present at the Phase One Property. During the Site visit, one water well was observed in the yard area west of the residential house at 4529 Concession Road 7 which supplied the residential houses at 4589, 4529 and 4499 Concession Road 7 with potable water.	EcoLog ERIS Report and Site observations
<b>Water Wells on the Neighbouring Properties (location, stratigraphy of the overburden, from ground surface to bedrock, depth to water table, drilling rate, use)</b>	Six water wells were reported within the Phase One Study Area advanced between 1955 and 1985. The wells were advanced to depths ranging between 39 and 70 mbgs. Static water levels ranged between 33 and 50 mbgs. Bedrock was not encountered at any of the wells.	EcoLog ERIS Report

#### 4.4 Site Operating Records

At the time of the Site visit, the Phase One Property was developed with three residential houses, an asphalt plant, a contractor yard, and a portion of a gravel pit. No operating records were provided to Golder for review.

Topic	Title of the information or document	Information Relevant to the Phase One ESA
<b>Regulatory Permits and Records</b>	Not available	None
<b>Materials Safety Data Sheets (MSDS)</b>	MP524 Release Agent, asphalt release agent	A surfactant blend used as an asphalt release agent.
<b>Underground utility drawings</b>	Not available	Not available
<b>Inventory of ASTs and USTs</b>	Not available	
<b>Environmental monitoring data, including data created in response to an order or request of the Ministry</b>	Not available	None
<b>Waste management records, including current and historical waste storage location and waste receiver information maintained by the Ministry</b>	Not available.	Not available.

Topic	Title of the information or document	Information Relevant to the Phase One ESA
Process, production and maintenance documents related to APECs	Not available	Not available
Records of spills and records of discharges of contaminants, including records of spills and records of discharges of contaminants of which notice is required to be given to the Ministry under the Act and records of such spills and discharges required to be kept pursuant to O.Reg. 675/98	Not available	None
Emergency response and contingency plans, including spill prevention and contingency plans prepared pursuant to section 91.1 of the Act, and O.Reg. 224/07	Not available	None
Environmental audit reports	Not available	None
A Site plan of the facility	Not available	None

## 5.0 INTERVIEWS

Mr. Tom Jones and Mr. George Antoniuk of Miller (hereinafter referred to as the “Site representatives”), responded to a detailed environmental questionnaire on August 24, 2017. Pursuant to the requirements O. Reg. 153/04, the Site representatives were interviewed as the “current owner” with knowledge of Site operations from 2001 to present. Staff familiar with Site activities prior to 2001 are no longer presently in Miller’s employ.

Relevant information obtained during the interview and Site visit is provided in the Section 6.0.

## 6.0 SITE RECONNAISSANCE

### 6.1 General Requirements

Ms. Kathryn Kendra (Environmental Scientist) of Golder visited the Phase One Property for three hours on August 24, 2017 at 10:00 am. Ms. Kendra has a M.Sc. (Earth and Environmental Sciences) from McMaster University and has two years of consulting experience. The visit consisted of a walk-around the Phase One Property along with a cursory inspection of surrounding properties from the Phase One Property and publicly accessible areas. The weather conditions were sunny, and the temperature was approximately 20°C. The Phase One Property was developed with three residential houses, a storage building, an asphalt plant (with control tower and boiler house), a contractor yard and portions of a gravel pit.

An additional Site visit was conducted on May 8, 2018 by Ms. Jaime Noble. The visit included inspecting the interior of the boiler house.

Photographs of relevant features noted during the visit are provided in Appendix E.

### 6.2 Specific Observations at Phase One Property

The specific observations made during the Site visit are presented in the following sections.

Topic	Observations	Source
<p><b>Structures</b>  <b>Number and Age of Buildings on the Site</b></p>	<p>Seven buildings were present on Site. These included</p> <ol style="list-style-type: none"> <li>1. A residential house (4589 Concession Road 7) constructed in 1928;</li> <li>2. A residential house (4529 Concession Road 7) constructed in 1954;</li> <li>3. A residential house (4499 Concession Road 7) constructed in the 1960;</li> <li>4. A scale house constructed in 1960;</li> <li>5. A storage warehouse constructed in the 1960;</li> <li>6. A control tower constructed in the 1970s; and</li> <li>7. A boiler house constructed in the 1970s.</li> </ol>	<p>Site observations</p>
<p><b>General Descriptions of Each Building (including improvements)</b></p>	<ol style="list-style-type: none"> <li>1. 4589 Concession Road 7 – residential house</li> <li>2. 4529 Concession Road 7 – residential house</li> <li>3. 4499 Concession Road 7 – residential house</li> <li>4. Scale House – small building with scale.</li> <li>5. Storage Warehouse – old barn used to store machinery and supplies.</li> <li>6. Control Tower – electrical room and control room to operate the On-Site asphalt plant.</li> <li>7. Boiler House – Boiler is fueled by natural gas only and appeared to be fairly new. The boiler is used to heat liquid asphalt. Some staining was noted on the concrete floor. An air compressor was inside the boiler house. A fuel oil tank was observed adjacent to the boiler house.</li> </ol>	<p>Site observations</p>
<p><b>Building Areas</b></p>	<ol style="list-style-type: none"> <li>1. 4589 Concession Road 7 – 1,100 ft<sup>2</sup></li> <li>2. 4529 Concession Road 7 – 2,220 ft<sup>2</sup></li> <li>3. 4499 Concession Road 7 – 2,000 ft<sup>2</sup></li> <li>4. Scale House – 800 ft<sup>2</sup></li> <li>5. Storage Warehouse – 3,000 ft<sup>2</sup></li> <li>6. Control Tower – 150 ft<sup>2</sup></li> <li>7. Boiler House – 50 ft<sup>2</sup></li> </ol>	<p>Site observations</p>
<p><b>Number of Floors (include all levels, whether above or below ground)</b></p>	<ol style="list-style-type: none"> <li>1. 4589 Concession Road 7 – one above-ground floor with a basement.</li> <li>2. 4529 Concession Road 7 – one above-ground floor.</li> <li>3. 4499 Concession Road 7 – one above-ground floor with a basement.</li> <li>4. Scale House – one above-ground floor.</li> <li>5. Storage Warehouse – one above-ground floor.</li> <li>6. Control Tower – two above-ground floors.</li> <li>7. Boiler House – one above-ground floor.</li> </ol>	<p>Site observations</p>
<p><b>Number, Age, and Depth of Levels Below Ground Level</b></p>	<p>The basements at 4589 and 4499 Concession Road 7 extended approximately 2 mbgs. The basements were part of the original house construction.</p>	<p>Site observations</p>
<p><b>Number and Details of all Aboveground Storage Tanks (“ASTs”)</b></p>	<p>Four ASTs were observed at the Phase One Property and one former AST was reported by the Site representative. These included the following:</p> <ol style="list-style-type: none"> <li>1. One 910 L fuel oil AST located in the northwest portion of the basement of the residential house at 4589 Concession Road 7, connected to fill and vent pipes on the north exterior wall of the house. The tank was double walled and constructed of steel.</li> </ol>	<p>Site observations and Site Representative</p>



Topic	Observations	Source
	<p>2. One 910 L fuel oil AST located in the south portion of the basement of the residential house at 4499 Concession Road 7, connected to vent and fill pipes on the south exterior wall. The tank was double walled and constructed of steel.</p> <p>3. One 4,540 L diesel AST was located south of the asphalt plant, approximately 14 m east of the control tower. The tank sitting on a concrete pad and was double walled and constructed of steel. This AST was installed in 2001 and is used to fuel the on-Site frontend loader.</p> <p>4. One 910 L fuel oil AST was located on the south side of the boiler house within the asphalt plant area. The tank was constructed of steel and was elevated off the ground. A hose was attached to the top of the tank to bleed air. An area of staining was observed on the ground beneath the hose.</p> <p>5. A former fuel oil AST (capacity unknown) was reported to be present along the east exterior wall of the residential house at 4529 Concession Road 7. An area of stressed vegetation was observed in the footprint of the former tank, approximately 5 m from the southeast corner of the building.</p>	
<b>Number and Details of all Underground Storage Tanks (“USTs”)</b>	<p>No USTs were observed or reported on the Phase One Property.</p> <p>One UST was uncovered during the excavation of an exploratory test pit on the east side of the residence located at 4529 Concession Road 7. The UST was steel and appeared to have been decommissioned. No piping was attached to the tank and it was filled with sand. No obvious evidence of petroleum hydrocarbon related impact was noted in the vicinity of the UST.</p>	Site observations, Site Representative, and Field Investigation
<b><u>Underground Utilities</u> Potable and Non-Potable Water Sources</b>	No active water source is reportedly available at the Site within the asphalt plant area. Potable water to the three residential houses is supplied by a drilled well located in the yard area on the west side of residential house at 4529 Concession Road 7.	Site Representative, Site observations
<b>Utility Lines Present (i.e. Electrical, Natural Gas, other)</b>	No utility drawings are available for the Site; however, the asphalt plant was serviced with natural gas and overhead hydro lines were observed south of the asphalt plant running south to the property boundary.	Site Representative, Site observations
<b>Sanitary/Process Wastewater Receptor</b>	No sanitary or process wastewater is generated On-Site.	Site observations
<b>Sanitary Sewer Connection</b>	The asphalt plant area of the Site does generate significant sanitary waste. Portable toilets are brought in and replaced as needed. The three residential houses along Concession Road 7 are on septic beds located within the yard area of each house.	Site representative, Site observations
<b>Septic Systems</b>	The three residential houses along Concession Road 7 are on septic beds located within the yard area of each house.	Site observations, Site representative
<b>Storm Water Flow</b>	Infiltration.	Site observations
<b>Storm Sewer Connection</b>	No storm sewer connection is available at the Site.	Site observations, Site representative

Topic	Observations	Source
<p><b><u>Interior of Structures</u></b>  <b>Entry and Exit Points for Site Buildings</b></p>	<ol style="list-style-type: none"> <li>1. 4589 Concession Road 7 – a door was located on the south side of the building.</li> <li>2. 4529 Concession Road 7 – doors were located on the west and east side of the building.</li> <li>3. 4499 Concession Road 7 – doors were located on the west and south side of the building.</li> <li>4. Scale House – A door is located on the west side of the building.</li> <li>5. Storage Warehouse – a door was located on the south side of the building with an overhead bay door on the east side of the building.</li> <li>6. Control Tower – a door to the electrical room is located on the west side of the building. A stairway and door to the control room on the upper level is located on the north side of the building.</li> <li>7. Boiler House – A door was located on the north side of the building.</li> </ol>	<p>Site observations</p>
<p><b>Existing and Former Heating System(s) (include fuel type / source)</b></p>	<ol style="list-style-type: none"> <li>1. 4589 Concession Road 7 – the house is heated by an oil burning furnace.</li> <li>2. 4529 Concession Road 7 – the house is heated by a natural gas furnace installed in 2014. The Site representative reported that heat was formerly supplied by an oil burning furnace.</li> <li>3. 4499 Concession Road 7 – the house is heated by an oil burning furnace.</li> <li>4. Scale House – the building is heated with electric baseboards.</li> <li>5. Storage Warehouse – the building is not heated.</li> <li>6. Control Tower – the building is heated with electric baseboards.</li> <li>7. Boiler House – the building is not heated but houses a steam boiler.</li> </ol>	<p>Site observations, Site representative</p>
<p><b>Existing and Former Cooling System(s) (include fuel type / source)</b></p>	<ol style="list-style-type: none"> <li>1. 4589 Concession Road 7 – the house was equipped with a wall mounted air condition system.</li> <li>2. 4529 Concession Road 7 – the house was equipped with a central air cooling system.</li> <li>3. 4499 Concession Road 7 – the house was not equipped with a cooling system.</li> <li>4. Scale House – the building was not equipped with a cooling system.</li> <li>5. Storage Warehouse – the building was not equipped with a cooling system.</li> <li>6. Control Tower – the building was not equipped with a cooling system.</li> <li>7. Boiler House - the building was not equipped with a cooling system.</li> </ol>	<p>Site observations, Site representative</p>
<p><b>Drains, Pits, and Sumps (include current use, if any, and former use)</b></p>	<p>No drains, pits, or sumps observed or reported.</p>	<p>Site observations, Site representative</p>
<p><b>Unidentified Substances</b></p>	<p>None identified.</p>	<p>Site observations</p>
<p><b>Floor Stains or Corrosion Located near a Potential Discharge Location</b></p>	<p>Areas of staining were observed within the asphalt plant beneath the fuel oil tank associated with the boiler house and on either side of the truck wash station. Small localized stains were observed under the asphalt cement storage tanks.</p>	<p>Site observations</p>

Topic	Observations	Source
<b>Miscellaneous Exterior Location of any Current and Former Wells</b>	A potable water supply well was located in the yard area west of the residential house at 4529 Concession Road 7. This well was reported to supply potable water to the three residential houses on the Phase One Property.	Site observations
<b>Ground Cover (i.e. grass, gravel, soil, or pavement, etc.)</b>	Approximately one quarter of the Phase One Property was covered with vegetation, one quarter was occupied by the asphalt plant and half consisted of excavated gravel pit.	Site observations
<b>Current or Former Railway Lines or Spurs</b>	None observed or reported.	Site observations.
<b>Presence of Stained Soil, Vegetation, or Pavement</b>	Areas of staining were observed beneath the fuel oil AST associated with the boiler house and on either side of the truck wash station in the asphalt plant. Both areas were covered with exposed soil.	Site observations
<b>Presence of Stressed Vegetation</b>	An area of stressed vegetation was observed in the footprint of the former AST associated with the residential house at 4529 Concession Road 7.	Site observations
<b>Areas Where Fill and/or Debris Materials Appear to Have Been Placed</b>	None identified.	Site observations, Site representative
<b>Potentially Contaminating Activity</b>	<ol style="list-style-type: none"> <li>1. A 910 L fuel oil AST was present in the northwest corner of the basement of the residential house at 4589 Concession Road 7.</li> <li>2. A fuel oil tank was historically present in the yard to the east of the residential house at 4529 Concession Road 7.</li> <li>3. A 910 L fuel oil tank was present in the south portion of the basement of the residential house at 4499 Concession Road 7.</li> <li>4. An asphalt plant was present on the central portion of the Site with two asphalt cement storage tanks. Miller reports that a small asphalt plant may have been present as early as 1977 in the current location of the present asphalt plant. The small plant was reportedly replaced with the current plant in the 1980s. There was not an existing asphalt plant when Miller purchased the property in 1965. Miller reports that asphalt testing has always been completed at an off-site testing laboratory. The Phase One Property is not listed as a generator of halogenated solvent wastes.</li> <li>5. A 4,540 L diesel AST was present within the asphalt plant which is installed in 2001 and used to fuel the on-Site frontend loader.</li> <li>6. A truck wash station was associated with the asphalt plant where truck beds were sprayed with a chemical release agent (MP524 Release Agent). Oily staining was observed on the ground in this area. To its knowledge, Miller is not aware that any other release agent, including diesel, has been used in the past.</li> <li>7. A 910 L fuel oil AST was present adjacent to the boiler house within the asphalt plant. The tank was elevated off the ground, however, staining was observed on the ground surface beneath the tank.</li> <li>8. A hydro line with an overhead transformer was present on Site south of the asphalt plant.</li> </ol>	Site observations, Site representative

Topic	Observations	Source
Unidentified Substances	None identified.	Site observations

### 6.2.1 Enhanced Investigation Property

The Site is considered an enhanced investigation property due to industrial use since the 1950s. This Phase One ESA was conducted in a manner consistent with the requirements for enhanced investigation properties as described in subsection 13(3) of O. Reg. 153/04. Relevant information is reported in the following table.

Topic	Observations	Source
<b>Operations at the property, including processing or manufacturing</b>	The Phase One Property operates as an asphalt plant, contractor yard and gravel pit.	Site observations and interview
<b>Hazardous materials used or stored at the Phase one property</b>	None observed or reported. The Site Representative reported that all asphalt testing was conducted at an off-Site testing laboratory and that halogenated solvents have not been used at the Phase One Property.	Site observations and interview
<b>Products manufactured at the Phase one property;</b>	Asphalt has been manufactured at the Phase One Property since 1972.	Site observations and interview
<b>By-products and wastes at the Phase one property</b>	None observed or reported. Residual asphalt is recycled back into the product.	Site observations and interview
<b>Raw materials handling and storage locations at the Phase one property</b>	Prepared asphalt cement is delivered on as needed basis to the Phase One Property and stored in above ground storage tanks.	Site observations and interview
<b>Location and contents of drums, totes and bins at the Phase one property</b>	Three 200 L drums of circulating oil, three 200 L drums of MP524 Release Agent and one 200 L drum of lubricating oil were observed on the east side of the asphalt plant, stored outside of a temporary storage unit. Circulating oil is used in the asphalt plant and is circulated around the silo to keep the asphalt warm. Lubricating oil is used to lubricate the chains on the asphalt conveyor belts. No areas of staining were observed, and no spill were reported. A cage storing compressed gases including propane, acetylene and oxygen was located in the same area.	Site observations and interview
<b>The location, installation date, source of incoming liquid and effluent discharge location for all oil-water separators</b>	None observed or reported.	Site observations and interview
<b>All vehicle and equipment maintenance areas, including the locations of maintenance, fluid storage, and waste storage areas</b>	None observed or reported. Minor repairs were reportedly made on Site; however, no area was designated for maintenance.	Site observations and interview
<b>Details of all spills including the dates, locations, materials involved, and volumes of material spilled;</b>	None observed or reported.	Site observations and interview

Topic	Observations	Source
<b>Details of liquid discharge points such as water and French drains, including their locations</b>	None observed or reported.	Site observations and interview
<b>Details of all hydraulic lift equipment at the property, including elevators, in-ground hoists and loading docks</b>	None observed or reported.	Site observations and interview

### 6.3 Surrounding Land Use

During the Site visit, a visual reconnaissance of the outdoor operations in the Phase One Study Area was carried out from the Site and publicly accessible areas.

The surrounding properties include residential and agricultural land uses, as illustrated on Figure 1.

**North (downgradient):** The remainder of the Miller gravel pit property, followed by vacant vegetated land with associated residential and agricultural structures.

**East (cross-gradient):** The remainder of the Miller gravel pit property, followed by agricultural fields with residential and agricultural structures.

**West (cross gradient):** Concession Road 7, followed by vegetated vacant land with associated residential structures.

**South (up-gradient):** Reid Road, followed by agricultural and vacant vegetated land with associated residential and agricultural structures. A horse farm is located on the southeast corner of the intersection of Concession Road 7 and Reid Road.

### 6.4 Written Description of Investigation

At the time of the Site reconnaissance, conducted on August 24, 2017, the Phase One Property consisted of an 82.5-acre (33.4 hectare) parcel of land. The Phase One Property was developed with three residential houses, a contractor yard, a storage warehouse and an asphalt plant which included a scale house, a control tower and a boiler house. The surrounding properties within the Phase One Study Area included residential and agricultural land uses. Based on the findings from the Site visit, the following PCAs were identified at the Phase One Property:

- A 910 L fuel oil AST was present in the northwest corner of the basement of the residential house at 4589 Concession Road 7;
- A fuel oil tank was historically present in the yard to the east of the residential house at 4529 Concession Road 7;
- A 910 L fuel oil tank was present in the south portion of the basement of the residential house at 4499 Concession Road 7;
- An asphalt plant was present on the central portion of the Phase One Property with two asphalt cement storage tanks;

- A 4,540 L diesel AST was present within the asphalt plant which was installed in 2001 and used to fuel the on-Site front-end loader;
- A truck wash station was associated with the asphalt plant where truck beds were sprayed with a chemical release agent (MP524 Release Agent). Oily staining was observed on the ground in this area; and,
- A 910 L fuel oil AST was present adjacent to the boiler house within the asphalt plant. The tank was elevated off the ground, however, staining was observed on the ground surface beneath the tank.
- A hydro line with an overhead transformer was present south of the asphalt plant.

There were no findings from the Site and area reconnaissance that indicate any off-Site PCA.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Current and Past Uses of the Site

The following summarizes the current and past uses of the Phase One Property:

#### Lot 18, Concession 7 (the Phase One Property comprises a portion)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Prior to March 10, 1807	Crown	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
March 10, 1807 to February 14, 1826	Elizabeth Ker	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
February 14, 1826 to February 15, 1842	James Brown	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
February 15, 1842 to October 6, 1845	John Ridout	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
October 6, 1845 to March 21, 1867	Andrew Heron	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
March 21, 1867 to December 31, 1869	Edward Walker	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
December 31, 1869 to October 30, 1874	Edward Ashton	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
October 30, 1874 to March 14, 1905	Richard Patterson	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
March 14, 1905 to December 3, 1924	Joseph Catherwood	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
December 3, 1924 to May 5, 1955	Isaac Catherwood	Developed	Agricultural or other use	As per the 1927 aerial photograph, the Site is comprised of agricultural fields with a section of wooded land on the north portion of the Site. Two houses are visible on the property.
May 5, 1955 to October 19, 1955 (Part A) May 5, 1955 to October 15, 1965 (Part B) May 5, 1955 to September 7, 1960 (Part C)	Donald Boyington	Developed	Industrial	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1946.
October 19, 1955 to August 31, 1971	The Board of School Trustees for School Section No. 11 Uxbridge / The Ontario County Board of Education (Part A)	Developed	Industrial	As per the 1960 aerial photograph, the Site is developed with roadways and four buildings. The ground in the northwest portion of the Site appears to be disturbed.
September 7, 1960 to July 28, 1964	B.H.L Farms Limited – Order of Foreclosure (Part C)	Developed	Industrial	As per the 1960 aerial photograph, the Site is developed with roadways and four buildings. The ground in the northwest portion of the Site appears to be disturbed.
July 28, 1964 to October 15, 1965	Donald Boyington (Part C)	Developed	Industrial	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1946.
October 15, 1965 to June 8, 2001	Markham Sand and Gravel Limited (Part B and C)	Developed	Industrial	As per the 1976 aerial photograph, The Site is developed as a gravel pit with Site-wide ground disturbance. Due to the resolution of the photo, Site features (i.e. buildings, roadways) cannot be distinguished. The 1981 aerial photograph is as per the 1976 aerial photograph. The 1995 aerial photograph is generally as per the 1981 aerial photograph, however, a several roadways are visible across the Site, as well a scale house and a cluster of buildings which are visible within the central portion of the Site. The original houses from

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
				the 1927 aerial photograph appear to remain on the property.
August 31, 1971 to June 8, 2001	Markham Sand and Gravel Limited (Part A)	Developed	Industrial	The 2005 Google Earth® image is as per the 1995 aerial photograph, except an asphalt plant surrounded by stockpiles is visible within the central portion of the Site.
Since June 8, 2001	Miller Paving Limited (Parts A, B, and C)	Developed	Industrial	The 2005 Google Earth® image is as per the 1995 aerial photograph, except an asphalt plant surrounded by stockpiles is visible within the central portion of the Site. The 2012 Google Earth® image is generally as per the 2005 Google Earth® image®

**Lot 19, Concession 7 (the Phase One Property comprises a portion)**

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Since March 9, 1807	Crown	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
March 9, 1807 to November 11, 1814	Catherine Woolman	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
November 30, 1814 to July 11, 1815	William Moffatt	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
July 11, 1815 to November 7, 1867	Andrew Heron	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
November 7, 1867 to November 16, 1894	Robert Ledyard	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
November 16, 1894 to November 12, 1910	William Weir	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
November 12, 1910 to May 5, 1955	Isaac Catherwood	Developed	Agricultural or other use and Industrial	As per the 1927 aerial photograph, the Site is comprised of agricultural fields with a section of wooded land on the north portion of the Site. Two houses are visible on the property.
May 5, 1955 to October 19, 1955 (Part B)	Donald Boyington	Developed	Industrial	As per the 1927 aerial photograph, the Site is comprised of agricultural fields with a section of wooded land on the north portion



Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
May 5, 1955 to October 15, 1965 (Part A)				of the Site. Two houses are visible on the property. As per the 1960 aerial photograph, the Site is developed with roadways and four buildings. The ground in the northwest portion of the Site appears to be disturbed.
October 19, 1955 to August 31, 1971	The Board of School Trustees of School Section No. 11 Uxbridge Twp. / The Ontario County Board of Education (Part B)	Undeveloped	Industrial	As per the 1960 aerial photograph, the Site is developed with roadways and four buildings. The ground in the northwest portion of the Site appears to be disturbed.
October 15, 1965 to June 8, 2001	Markham Sand and Gravel Limited (Part A)	Developed	Industrial	As per the 1976 aerial photograph, The Site is developed as a gravel pit with Site-wide ground disturbance. Due to the resolution of the photo, Site features (i.e. buildings, roadways) cannot be distinguished. The 1981 aerial photograph is as per the 1976 aerial photograph. The 1995 aerial photograph is generally as per the 1981 aerial photograph, however, a several roadways are visible across the Site, as well a scale house and a cluster of buildings which are visible within the central portion of the Site. The original houses from the 1927 aerial photograph appear to remain on the property.
August 31, 1971 to June 8, 2001	Markham Sand and Gravel Limited (Part B)	Developed	Industrial	As per the 1976 aerial photograph, The Site is developed as a gravel pit with Site-wide ground disturbance. Due to the resolution of the photo, Site features (i.e. buildings, roadways) cannot be distinguished. The 1981 aerial photograph is as per the 1976 aerial photograph. The 1995 aerial photograph is generally as per the 1981 aerial photograph, however, a several roadways are visible across the Site, as well a scale house and a cluster of buildings which are visible within the central portion of the Site. The original houses from the 1927 aerial photograph appear to remain on the property.
Since June 8, 2001	Miller Paving Limited	Developed	Industrial	The 2005 Google Earth® image is as per the 1995 aerial photograph, except an asphalt plant surrounded by stockpiles is visible within the central portion of the Site. The 2012 Google Earth® image is generally as per the 2005 Google Earth® image®

**Part of Lot 20, Concession 7 (the Phase One Property comprises a portion)**

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Since March 14, 1857	Crown	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
March 14, 1857 to May 12, 1870	James Henderson	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
May 12, 1870 to March 12, 1873	Edward Wheler	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
March 12, 1873 to May 13, 1889	George Wheler	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
May 13, 1889 to May 13, 1889	Mary Smith	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
May 13, 1889 to April 4, 1919	Joseph Catherwood	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
April 4, 1919 to November 26, 1920	Robert Gourlie	Undeveloped	Agricultural or other use	The Chain of Title covers this time period. No aerial photograph coverage is available prior to 1927.
November 26, 1920 to June 3, 1955	Charles Henry Gourlie	Developed	Agricultural or other use and Industrial	As per the 1927 aerial photograph, the Site is comprised of agricultural fields with a section of wooded land on the north portion of the Site. Two houses are visible on the property.
June 3, 1955 to October 15, 1965	Donald Boyington	Developed	Industrial	As per the 1960 aerial photograph, the Site is developed with roadways and four buildings. The ground in the northwest portion of the Site appears to be disturbed.
October 15, 1965 to June 8, 2001	Markham Sand and Gravel Limited	Developed	Industrial	As per the 1976 aerial photograph, The Site is developed as a gravel pit with Site-wide ground disturbance. Due to the resolution of the photo, Site features (i.e. buildings, roadways) cannot be distinguished. The 1981 aerial photograph is as per the 1976 aerial photograph. The 1995 aerial photograph is generally as per the 1981 aerial photograph, however, a several roadways are visible across the Site, as well a scale house and a cluster of buildings which are visible within the central portion of the Site. The original houses from the 1927 aerial photograph appear to remain on the property. In the 1995 aerial, structure is present in the present-day location of the asphalt plant. Details of the structure are not clearly discernible, but it is generally similar to the present-day asphalt plant. .

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Since June 8, 2001	Miller Paving Limited	Developed	Industrial	The 2005 Google Earth® image is as per the 1995 aerial photograph, except an asphalt plant surrounded by stockpiles is visible within the central portion of the Site. The 2012 Google Earth® image is generally as per the 2005 Google Earth® image®

The Phase One Property was previously used for agricultural purposes since prior to 1927. The western portion of the Phase One Property was developed with three residential dwellings since at least 1927. The remainder of the Phase One Property was developed as a gravel pit in the 1960/70s and has included an asphalt plant since at least 1995. Currently, the Phase One Property is developed with seven buildings, three of which were used as residential homes. The remainder of the buildings were used for equipment storage or to support the asphalt plant. The following table summarizes the date and location of the asphalt plant as determined through further review of the available aerial photographs and information gathered from additional interviews.

Chronology (Information Source)	Observations from Aerial Photographs and the Site Representatives
Prior to 1965 (Site Representative)	No asphalt plant was reportedly present at the Site when Miller (the “Markham Sand and Gravel Limited”) first purchased the Phase One Property
1977 (Site Representative)	A small asphalt plant may have existed in the same location as the present-day plant as early as 1977.
1981 (aerial image)	Details of the image are not discernible  Miller reports that a small asphalt plant that may have existed as early as 1977 and was replaced with a building similar to the present-day asphalt plant in the 1980s.
1995 (1995 aerial image)	A structure is present in the present-day location of the asphalt plant. Details of the structure are not clearly discernible but it is generally similar to the present-day asphalt plant.
2005 (2005 aerial image)	A structure is present that is similar to the configuration and location of the present-day asphalt plant
2018 (Site Visit)	Present-day asphalt plant

## 7.2 Potentially Contaminating Activity

Any PCA on the Phase One Property or in the Phase One Study Area may require the identification of an area of potential environmental concern (“APEC”) and trigger the need for a Phase Two ESA to support the filing of a Record of Site Condition. The following PCAs were identified on the Phase One Property or in the Phase One Study Area:

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
<b>Phase One Property</b>	Gasoline and Associated Products Storage in Fixed Tanks – A 910 L fuel oil AST was present in the northwest corner of the basement of the residential house at 4589 Concession Road 7.	Site observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Gasoline and Associated Products Storage in Fixed Tanks – A fuel oil AST was historically present in the yard to the east of the residential house at 4529 Concession Road 7. A previously unknown UST uncovered in the yard east of the house at 4529 Concession Road 7.	Site observations, Site representative	The PCA is located on the Phase One Property and must be identified as an APEC.
	Gasoline and Associated Products Storage in Fixed Tanks – A 910 L fuel oil AST was present in the south portion of the basement of the residential house at 4499 Concession Road 7.	Site observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Asphalt and Bitumen Manufacturing – An asphalt plant was present on the central portion of the Site with two asphalt cement storage tanks.	Site observations.	The PCA is located on the Phase One Property and must be identified as an APEC.
	Gasoline and Associated Products Storage in Fixed Tanks – A 4,540 L diesel AST was present within the Asphalt Plant that was installed in 2001 and used to fuel the on-Site frontend loader.	Site observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Asphalt and Bitumen Manufacturing – A truck wash station was associated with the Asphalt Plant where truck beds were sprayed with a chemical release agent (MP524 Release Agent). Oily staining was observed on the ground surface.	Site observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Gasoline and Associate Products Storage in Fixed Tanks – A 910 L fuel oil AST was present adjacent to the Boiler House within the Asphalt Plant. The AST was elevated above ground surface and staining was observed below.	Site observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Transformer Manufacturing, Processing and Use – A hydro line with an overhead transformer was present on Site south of the Asphalt Plant.	Site observations	The PCA is located on the Phase One Property and must be identified as an APEC.

### 7.3 Areas of Potential Environmental Concern

A summary of the APECs identified at the Phase One Property is provided in the following table. The location of each APEC is presented on Figure 2.

Area of Potential Environmental Concern <sup>1</sup>	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity <sup>2</sup>	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern <sup>3</sup>	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1 - 910 L fuel oil AST	Northwest corner of the basement of the residential house at 4589 Concession Road 7, connected to fill and vent pipe on the north exterior wall, 2 metres from the northwest corner of the building	#28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHC, BTEX	Soil
APEC 2 - Former fuel oil AST (unknown capacity) and uncovered UST	Yard area on the east side of the residential house at 4529 Concession Road 7. The footprint of the former AST can be seen on the east exterior wall, approximately 5 m from the southeast corner of the building. The UST was uncovered 1.4 m below grade and approximately 3 m east of the east exterior wall of the house.	#28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHC, BTEX	Soil, Groundwater
APEC 3 - 910 L fuel oil AST	South portion of the basement of the residential house at 4499 Concession Road 7, connected to vent and fill pipes on the south exterior wall, approximately 5 m from the southwest corner of the building.	#28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHC, BTEX	Soil
APEC 4 - asphalt plant	An asphalt plant is present in the central portion of the Site, with no evidence of on-site asphalt testing.	#5. Asphalt and Bitumen Manufacturing	On-Site	PHC, BTEX, PAH, metals, hydride-forming metals, Cr(VI), VOC (groundwater only)	Soil, Groundwater
APEC 5 - 4,540 L diesel AST	South of the Asphalt Plant and approximately 14 m east of the Control Tower installed in	#28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHC, BTEX	Soil

Area of Potential Environmental Concern <sup>1</sup>	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity <sup>2</sup>	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern <sup>3</sup>	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
	2001 and used to fuel the on-Site frontend loader.				
APEC 6 - truck wash station associated with observed staining.	The station was south of the Asphalt Plant and approximately 6 m east of the diesel AST.	#5. Asphalt and Bitumen Manufacturing	On-Site	PHC, BTEX, VOC	Soil and Groundwater
APEC 7 - 910 L fuel oil AST with observed staining.	The fuel oil AST was located on the south side of the Boiler House within the Asphalt Plant, approximately 10 m north of the truck wash station.	#28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHC, BTEX	Soil
APEC 8 - overhead transformer.	A hydro line with an overhead transformer was located approximately 15 m south of the Asphalt Plant.	#55. Transformer Manufacturing, Processing and Use	On-Site	PCB	Soil

#### Notes

- 1 Area of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through, •(a) identification of past or present uses on, in or under the phase one property, and •(b) identification of potentially contaminating activity
- 2 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
- 3 Contaminants of potential concern specified using the method groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011
- 4 PHC = petroleum hydrocarbon
- 5 PCB = polychlorinated biphenyls
- 6 BTEX =benzene, toluene, ethylbenzene and xylene compounds
- 7 EC = electrical conductivity
- 8 SAR = sodium adsorption ratio
- 9 PAH = polycyclic aromatic hydrocarbon
- 10 VOC = volatile organic compounds
- 11 Cr(VI) = chromium VI

The industrial use of the Site since 1965 for aggregate extraction represents an APEC; however, the investigation of this APEC within the area of aggregate extraction is not required in accordance with Section 32(3) of O. Reg. 153/04.

## 7.4 Conceptual Site Model

The following key features (as required by O. Reg. 153/04) are presented in Figures 1 and 2:

- Existing buildings and structures;
- Water bodies and areas of natural significance located in the Phase One Study Area;

- Drinking water wells on the Phase One Property;
- Roads (including names) within the Phase One Study Area;
- Uses of properties adjacent to the Phase One Property; and,
- Location of identified PCAs in the Phase One Study Area (including any storage tanks).

The following describes the Phase One ESA conceptual site model (“CSM”) for the Site based on the information obtained and reviewed as part of this Phase One ESA:

- The Phase One Property consisted of a parcel of land that is 82.4 acres (33.4 hectares) in area with the following buildings:
  - A residential house located at 4589 Concession Road 7 in the northwest portion of the Phase One property with associated driveways extending east from Concession Road 7;
  - A residential house located at 4529 Concession Road 7 in the west portion of the Phase One Property with associated driveways extending east from Concession Road 7;
  - A residential house located at 4499 Concession Road 7 in the southwest portion of the Phase One Property with associated driveways extending east from Concession Road 7;
  - A storage warehouse located in the southwest portion of the Phase One Property;
  - A scale house located in the west portion of the Phase One Property with an associated weigh scale for in-coming and out-going trucks;
  - A control tower located in the central portion of the Phase One Property within the asphalt plant; and,
  - A boiler house with an oil burning steam boiler located in the central portion of the Phase One Property within the asphalt plant;
- No areas of natural significance were identified on or within the Phase One Study Area;
- No water bodies or areas of natural significance were identified on or within 30 m of the Phase One Study Area;
- Potable water in the vicinity of the Site is provided by a drilled well located in the yard area to the west of the residential house at 4529 Concession Road 7. Based on the Ecolog ERIS report, three water wells were present at the Site used for industrial and livestock purposes. The wells were reportedly installed between 1955 and 1985;
- At the time of the Phase One ESA, the Site was developed with seven buildings, three of which were used as residential homes. The remainder of the buildings were used for storage or to support the asphalt plant. Historically, the Phase One Property was used for industrial purposes since the 1960/70s. The Site operated as a gravel pit since the 1960/70s and may have included a small asphalt plant since at 1977 and in its current configuration since the 1980s as reported by Miller. There were no indications that the Phase One Property was used for any of the following commercial uses: vehicle garage, bulk liquid dispensing facility, or dry cleaning facility;

- At the time of the Phase One ESA, the neighbouring properties within the Phase One Study Area consisted of residential and agricultural land uses. There was no indication that neighbouring properties in the Phase One Study Area were used for an industrial use or any of the following commercial uses: vehicle garage, bulk liquid dispensing facility, or dry cleaning facility;
- Underground utilities include natural gas lines which run west to east from Concession Road 7 to the asphalt plant;
- Soil at the Phase One Property generally consists of sand and gravel with silt lenses with high permeability;
- Local groundwater is anticipated to flow in a northeast direction towards Uxbridge Brook (located approximately 2 km northeast), and regional groundwater is anticipated to flow in a southerly direction towards Lake Ontario (located approximately 27 km south). Based on water level data collected by Golder in October 2017, the inferred direction of groundwater flow at the Phase One Property is southwest;
- Based on the information obtained and reviewed as part of this Phase One ESA, the following PCAs were identified:
  - **Gasoline and Associated Products Storage in Fixed Tanks** - A 910 L fuel oil AST was present in the northwest corner of the basement of the residential house at 4589 Concession Road 7;
  - **Gasoline and Associated Products Storage in Fixed Tanks** - A fuel oil tank was historically present in the yard to the east of the residential house at 4529 Concession Road 7 and a UST uncovered in the yard area east of the house;
  - **Gasoline and Associated Products Storage in Fixed Tanks** - A 910 L fuel oil tank was present in the south portion of the basement of the residential house at 4499 Concession Road 7;
  - **Asphalt and Bitumen Manufacturing** - An asphalt plant was present on the central portion of the Site with two asphalt cement storage tanks;
  - **Gasoline and Associated Products Storage in Fixed Tanks** - A 4,540 L diesel AST was present within the asphalt plant installed in 2001 and used to fuel the on-Site frontend loader;
  - **Asphalt and Bitumen Manufacturing** - A truck wash station was associated with the asphalt plant where truck beds were sprayed with a chemical release agent (MP524 Release Agent). Oily staining was observed on the ground in this area;
  - **Gasoline and Associated Products Storage in Fixed Tanks** - A 910 L fuel oil AST was present adjacent to the boiler house within the asphalt plant. The tank was elevated off the ground, however, staining was observed on the ground surface beneath the tank; and
- Based on the information obtained and reviewed as part of this Phase One ESA, no off-Site PCAs were identified.

#### 7.4.1 Uncertainty and Absence of Information

Responses to Golder's requests for information from the MECP were not available at the time of writing this report.



There were no material deviations to the Phase One ESA requirements set out in O. Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One CSM or the findings of this Phase One ESA.

## 8.0 CONCLUSIONS

### 8.1 Need for a Phase Two ESA

Based on the information obtained and reviewed as part of this Phase One ESA, eight APECs were identified.

Based on the above, a Phase Two ESA is required to support the submission of an RSC (if an RSC is required as a condition of approval).

## 9.0 REFERENCES

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

Source	Date
Canadian Standards Association Document Z768-01 'Phase One – Environmental Site Assessments'	November 2001
Ontario Base Mapping ("OBM"), Ontario Ministry of Natural Resources – obtained by EcoLog ERIS	August 15, 2017
Bedrock Geology of Ontario, Ontario Geological Survey 2011 – obtained by EcoLog ERIS	August 15, 2017
The Surficial Geology of Southern Ontario, Ontario Geological Survey 2010 – obtained by EcoLog ERIS	August 15, 2017
Physiography of Southern Ontario, Ontario Geological Survey – obtained by EcoLog ERIS	August 15, 2017
Soil Survey Complex (ON Soils), Ontario Ministry of Natural Resources – obtained by EcoLog ERIS	August 15, 2017
Area of Natural & Scientific Interest (ANSI), Ontario Ministry of Natural Resources – obtained by EcoLog ERIS	August 15, 2017
Aerial Photographs – obtained by LGI on behalf of Golder.	1927, 1960, 1976, 1981 and 1995
Google Earth Images®, reviewed online.	2005 and 2012
Chain of Title – obtained by Dominic Bertucci	August 21, 2017
Fire Insurance Plan, Property Underwriters' Plans and Reports, obtained by Opta on behalf of Golder.	FIP – none PURs – none PUPs – none
City Directories, obtained by LGI on behalf of Golder.	1960, 1965, 1970/71, 1976, 1984, 1989, 1994 and 1999
EcoLog Environmental Risk Information Services	August 15, 2017

## 10.0 LIMITATIONS AND USE OF REPORT

This report (the “Report”) was prepared for the exclusive use of The Miller Group (“Miller”) for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, Golder Associates Ltd. (“Golder”) has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or incomplete or inaccurate historical information from the various agencies. Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third party. If a third party requires reliance on this Report, prior written authorization from Golder is required. Golder disclaims any responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

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

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

## 11.0 CLOSURE

The Qualified Person confirms that the Phase One ESA was conducted and/or supervised by the Qualified Person and that all findings and conclusions of the Phase One ESA are included in the report.

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

## Signature Page

### Golder Associates Ltd.



Chris Pons, BSc  
*Environmental Scientist*



Eric Hood, PhD, PEng  
*Associate, Senior Engineer*



KK/EM/CP/EH/lh;lb

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[https://golderassociates.sharepoint.com/sites/16359g/deliverables/phase one esa/report/final/1778651 miller phase one esa rpt 2019/03/20 - final.docx](https://golderassociates.sharepoint.com/sites/16359g/deliverables/phase%20one%20esa/report/final/1778651%20miller%20phase%20one%20esa%20rpt%202019%2003%20-%20final.docx)

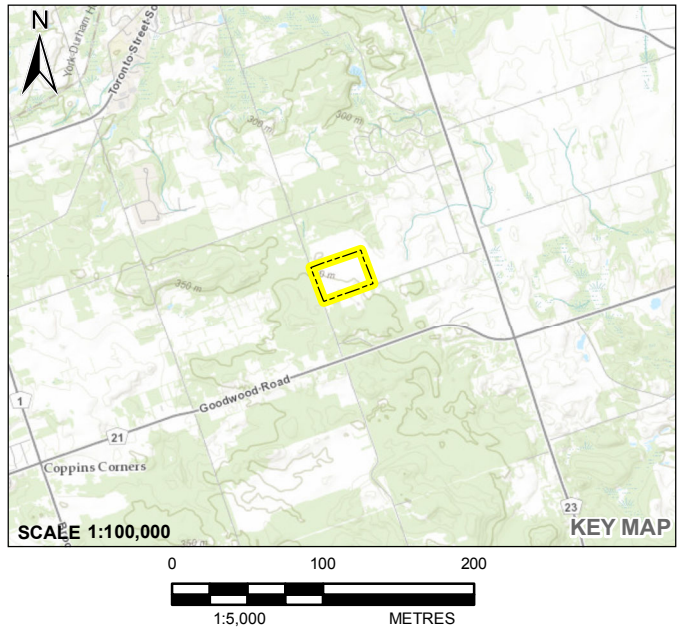
## Figures



**LEGEND**

- ① ON-SITE/OFF-SITE FEATURE
- ➔ INFERRED GROUNDWATER FLOW DIRECTION
- TOPOGRAPHIC CONTOUR, METRES
- ▭ PHASE ONE PROPERTY
- ▭ PHASE ONE STUDY AREA (250 M RADIUS)

- ON-SITE FEATURES**
1. RESIDENTIAL HOUSE (4589 CONCESSION ROAD 7)
  2. RESIDENTIAL HOUSE (4529 CONCESSION ROAD 7)
  3. RESIDENTIAL HOUSE (4499 CONCESSION ROAD 7)
  4. CONTRACTOR YARD
  5. STORAGE BUILDING
  6. DIESEL AST
  7. BOILER ROOM WITH FUEL OIL AST
  8. ASPHALT PLANT
  9. OVERHEAD HYDRO LINES WITH TRANSFORMER
  10. TRUCK WASH STATION
- OFF-SITE FEATURES**
11. MILLER GRAVEL PIT



**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

BASE DATA - MNR LIO, OBTAINED 2017  
 ONTARIO LAND COVER COMPILATION V.2.0, MINISTRY OF NATURAL RESOURCES AND FORESTRY, SCIENCE AND RESEARCH BRANCH, NATURAL RESOURCES INFORMATION UNIT, FOREST RESOURCES UNIT  
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 BASE IMAGERY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), SWISSTOPO, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY © 2019 MICROSOFT CORPORATION © 2019 DIGITALGLOBE © CNES (2019) DISTRIBUTION AIRBUS DS PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

**CLIENT**

THE MILLER GROUP

**PROJECT**

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
 MILLER BOYINGTON PIT, UXBRIDGE, ONTARIO

**POTENTIALLY CONTAMINATING ACTIVITIES**

CONSULTANT	YYYY-MM-DD	2018-02-01
DESIGNED	JT	
PREPARED	JT	
REVIEWED	KK	
APPROVED		

S:\Client\Miller\_Group\UXbridge\_Boyington\_Pit\_3090\_PROD\_PROD\177865140\_PROD\0002\_Phase\_1\_ESA\1778651-0002-ES-0001.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 28mm

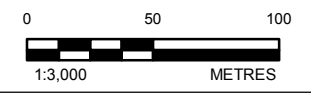




**LEGEND**

- A POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- INFERRED GROUNDWATER FLOW DIRECTION
- PHASE ONE PROPERTY

Location of Potentially Contaminating Activity (PCA)	APEC / PCA Description
A	<b>APEC 1 (#28 Gasoline and Associated Products Storage in Fixed Tanks)</b> - A 910 L fuel oil AST was present in the northwest corner of the basement at 4589 Concession Road 7
B	<b>APEC 2 (#28 Gasoline and Associated Products Storage in Fixed Tanks)</b> - A fuel oil AST was historically present in the yard on the east side of the house at 4529 Concession Road 7
C	<b>APEC 3 (#28 Gasoline and Associated Products Storage in Fixed Tanks)</b> - A 910 L fuel oil AST was present in the south portion of the basement at 4499 Concession Road 7
D	<b>APEC 4 (#5 Asphalt and Bitumen Manufacturing)</b> - An asphalt plant was present on Site with two asphalt cement storage
E	<b>APEC 5 (#28 Gasoline and Associated Products Storage in Fixed Tanks)</b> - A 4,540 L diesel AST was present within the Asphalt Plant.
F	<b>APEC 6 (#5 Asphalt and Bitumen Manufacturing)</b> - A truck wash station was associated with the Asphalt Plant where truck beds were sprayed with a chemical release agent. Oily stains were observed on the ground surface.
G	<b>APEC 7 (#28 Gasoline and Associated Products Storage in Fixed Tanks)</b> - A 910 L fuel oil AST was present was adjacent to the Boiler Room within the Asphalt Plant. Staining was observed on the ground surface beneath the tank.
H	<b>APEC 8 (#55 Transformer Manufacturing, Processing and Use)</b> - A hydro line with an overhead transformer was present south of the Asphalt Plant.



**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
 BASE DATA - MNR LIO, OBTAINED 2017  
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 DISTRIBUTION AIRBUS DS  
 PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

CLIENT  
**THE MILLER GROUP**

PROJECT  
**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
MILLER BOYINGTON PIT, UXBRIDGE, ONTARIO**

TITLE  
**AREAS OF POTENTIAL ENVIRONMENTAL CONCERN**

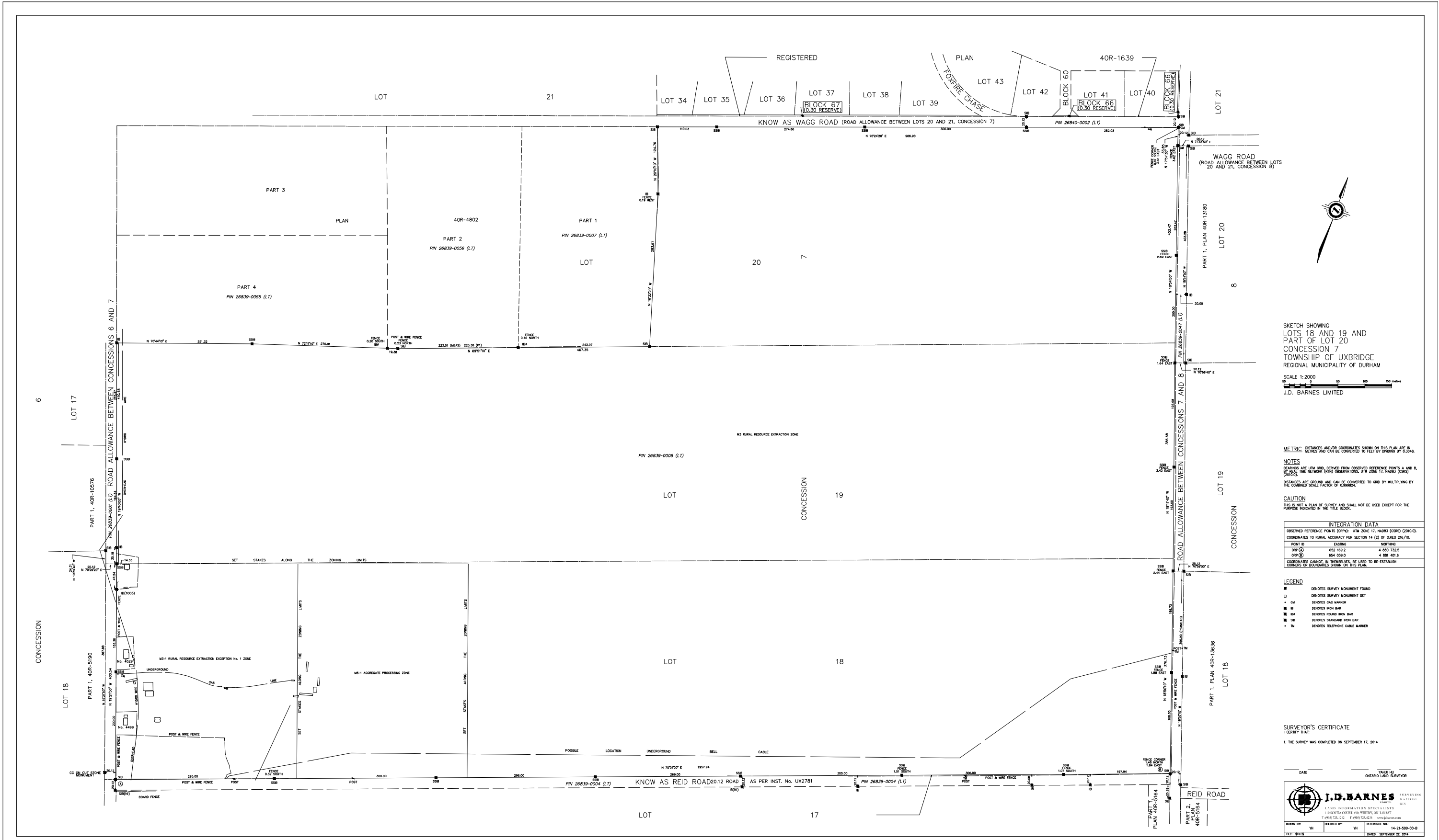
CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2017-09-14
	DESIGNED	JT
	PREPARED	JT
	REVIEWED	KK
	APPROVED	

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 28mm

**APPENDIX A**

**Plan of Survey**



SKETCH SHOWING  
 LOTS 18 AND 19 AND  
 PART OF LOT 20  
 CONCESSION 7  
 TOWNSHIP OF UXBRIDGE  
 REGIONAL MUNICIPALITY OF DURHAM

SCALE 1:2000

J.D. BARNES LIMITED

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

**NOTES**  
 BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B. TO REAL-TIME NETWORK WITH OBSERVATIONS, UTM ZONE 17, NAD83 (CRS) (2011.0).  
 DISTANCES ARE GRID AND CAN BE CONVERTED TO FEET BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99994.

**CAUTION**  
 THIS IS NOT A PLAN OF SURVEY AND SHALL NOT BE USED EXCEPT FOR THE PURPOSE INDICATED IN THE TITLE BLOCK.

INTEGRATION DATA			
OBSERVED REFERENCE POINTS (ORP): UTM ZONE 17, NAD83 (CRS) (2011.0).			
COORDINATES TO REAL-TIME NETWORK WITH OBSERVATIONS, UTM ZONE 17, NAD83 (CRS) (2011.0).			
POINT ID	EASTING	NORTHING	
ORP (A)	652 169.2	4 880 732.5	
ORP (B)	654 009.0	4 881 401.6	
COORDINATES CANNOT BE TRUSTED, BE USED TO RE-ESTABLISH CORNERS OF BOUNDARIES SHOWN ON THIS PLAN.			

LEGEND	
■	INDICATES SURVEY MONUMENT FOUND
□	INDICATES SURVEY MONUMENT SET
+	INDICATES GAS MARKER
■	INDICATES IRON BAR
■	INDICATES ROUND IRON BAR
■	INDICATES STANDARD IRON BAR
+	INDICATES TELEPHONE CABLE MARKER

**SURVEYOR'S CERTIFICATE**  
 I CERTIFY THAT:  
 1. THE SURVEY WAS COMPLETED ON SEPTEMBER 17, 2014.

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 SURVEYOR: J.D. BARNES LIMITED  
 TOWN: UXBRIDGE  
 COUNTY: DURHAM

**J.D. BARNES** SURVEYING & MAPPING  
 LAND INFORMATION SPECIALISTS  
 105 SOUTH COCKEY RD. WILBY, ON L1R 9Y7  
 T: (905) 741-1111 F: (905) 741-1111 WWW.JDBARNES.COM

DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ REFERENCE NO.: 14-21-589-00-B  
 FILE: BLES DATE: SEPTEMBER 23, 2014



**APPENDIX B**

# Regulatory Responses

**From:** [Public Information Services](#)  
**To:** [Cheung, Cassandra](#)  
**Subject:** RE: 1778651 Database Search  
**Date:** August-22-17 11:56:54 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)  
[image004.png](#)

---

Hello Cassandra,

Thank you for your inquiry.

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

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

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.

Thank you and have a great day,  
Sherees



**Sherees Thompson | Public Information Agent**

Facilities  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: [sthompson@tssa.org](mailto:sthompson@tssa.org)  
[www.tssa.org](http://www.tssa.org)



---

**From:** Cheung, Cassandra [mailto:Cassandra\_Cheung@golder.com]  
**Sent:** Wednesday, August 09, 2017 9:13 AM  
**To:** Public Information Services  
**Subject:** 1778651 Database Search

Good morning,

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

- 4419 Concession Road 7, Uxbridge, ON
- 4499 Concession Road 7, Uxbridge, ON
- 4529 Concession Road 7, Uxbridge, ON
- 4589 Concession Road 7, Uxbridge, ON

Thanks,  
Cassie

---

**Cassandra Cheung (GIT)** | Environmental Intern | **Golder Associates Ltd.**  
100 Scotia Court, Whitby, Ontario, Canada L1N 8Y6  
**T:** +1 (905) 723 2727 | **D:** +1 (905) 723 5491 ext.6682 | **C:** +1 (613) 220 9693  
**E:** [cassandra\\_cheung@golder.com](mailto:cassandra_cheung@golder.com) | [www.golder.com](http://www.golder.com)

***Work Safe, Home Safe***

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**APPENDIX C**

**Ecolog ERIS Report**



# DATABASE REPORT

**Project Property:** 1778651  
4401 Concession Rd 7  
Uxbridge ON L9P1R4

**Project No:**

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

**Order No:** 20170808138

**Requested by:** Golder Associates Ltd.

**Date Completed:** August 15, 2017

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

**[www.erisinfo.com](http://www.erisinfo.com)**

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# Executive Summary

## **Property Information:**

**Project Property:** 1778651  
4401 Concession Rd 7 Uxbridge ON L9P1R4

**Project No:**

## **Order Information:**

**Order No:** 20170808138  
**Date Requested:** August 8, 2017  
**Requested by:** Golder Associates Ltd.  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

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

## Executive Summary: Report Summary

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



<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	6	0	6
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	3	6	9
<b>Total:</b>			11	6	17

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	CA	Miller Paving Limited	Uxbridge ON	-/0.0	0.87	<a href="#">13</a>
<a href="#">1</a>	EBR	Miller Paving Limited	Uxbridge ON L9P 1R4	-/0.0	0.87	<a href="#">13</a>
<a href="#">1</a>	NPRI	MILLER PAVING	4499 7th Concession Uxbridge ON	-/0.0	0.87	<a href="#">13</a>
<a href="#">1</a>	NPRI	MILLER PAVING	4499 7th Concession Uxbridge ON	-/0.0	0.87	<a href="#">13</a>
<a href="#">1</a>	NPRI	MILLER PAVING LIMITED	4499 7th Concession Uxbridge ON	-/0.0	0.87	<a href="#">15</a>
<a href="#">1</a>	NPRI	MILLER PAVING	4499 7th Concession Uxbridge ON	-/0.0	0.87	<a href="#">15</a>
<a href="#">1</a>	NPRI	MILLER PAVING	4499 7th Concession Uxbridge ON	-/0.0	0.87	<a href="#">16</a>
<a href="#">1</a>	NPRI	MILLER PAVING	4499 7th Concession Uxbridge ON	-/0.0	0.87	<a href="#">17</a>
<a href="#">2</a>	WWIS		lot 18 con 7 ON	-/0.0	2.54	<a href="#">17</a>
<a href="#">3</a>	WWIS		lot 18 con 7 ON	-/0.0	3.00	<a href="#">20</a>
<a href="#">4</a>	WWIS		lot 18 con 7 ON	-/0.0	7.79	<a href="#">22</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">5</a>	WWIS		lot 17 con 7 ON	SE/15.4	5.24	<a href="#">24</a>
<a href="#">6</a>	WWIS		lot 17 con 7 ON	S/39.7	13.51	<a href="#">27</a>
<a href="#">7</a>	WWIS		lot 17 con 7 ON	ESE/57.5	-1.35	<a href="#">30</a>
<a href="#">8</a>	WWIS		lot 17 con 7 ON	SSW/61.4	14.97	<a href="#">32</a>
<a href="#">9</a>	WWIS		lot 17 con 7 ON	SSW/79.1	16.03	<a href="#">34</a>
<a href="#">10</a>	WWIS		lot 17 con 7 ON	E/224.2	-3.00	<a href="#">37</a>

# Executive Summary: Summary By Data Source

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Miller Paving Limited	Uxbridge ON	0.0	<a href="#"><u>1</u></a>

## **EBR - Environmental Registry**

A search of the EBR database, dated 1994-Jul 2017 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Miller Paving Limited	Uxbridge ON L9P 1R4	0.0	<a href="#"><u>1</u></a>

## **NPRI - National Pollutant Release Inventory**

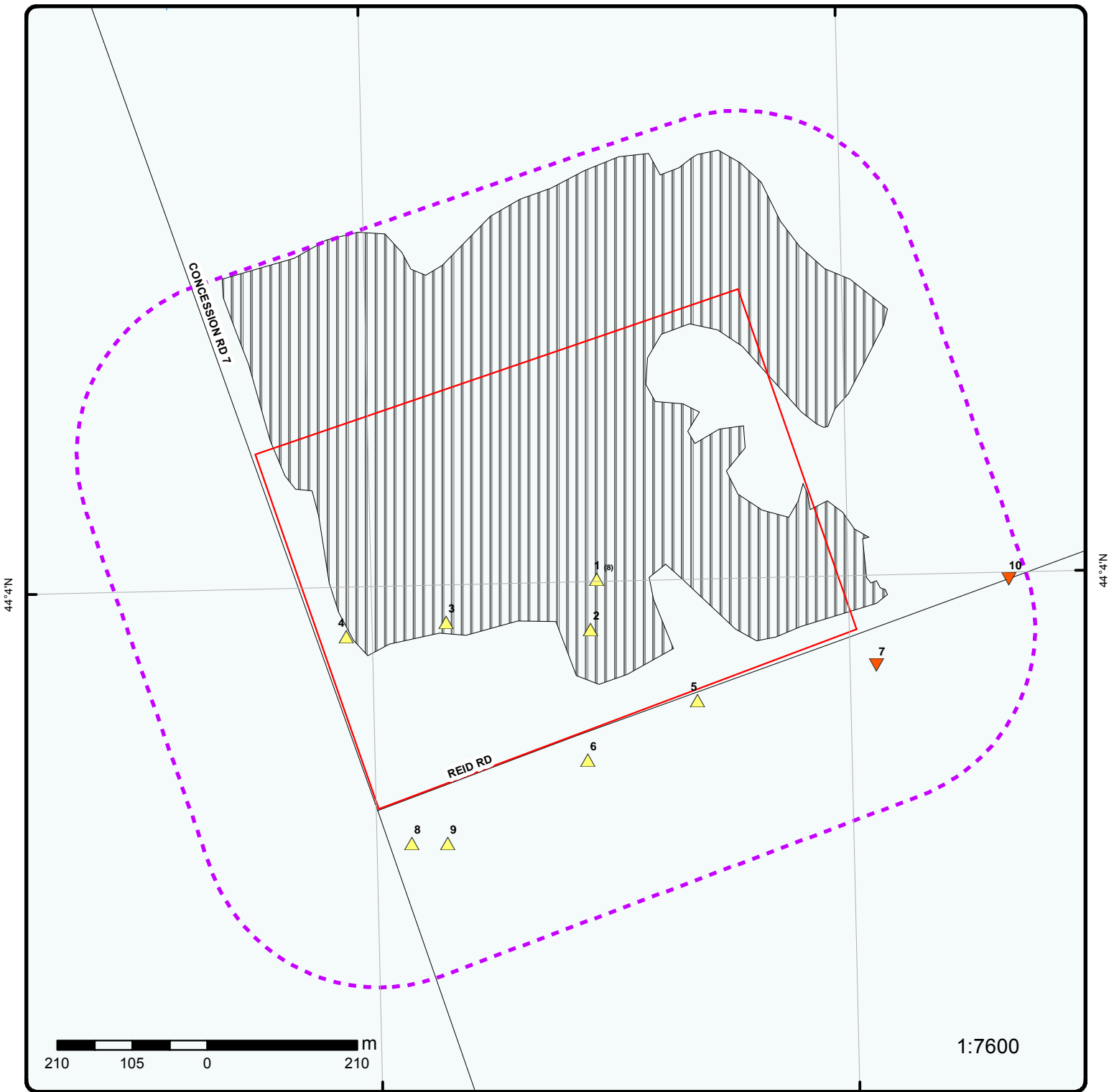
A search of the NPRI database, dated 1993-2014 has found that there are 6 NPRI site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
MILLER PAVING	4499 7th Concession Uxbridge ON	0.0	<a href="#"><u>1</u></a>
MILLER PAVING	4499 7th Concession Uxbridge ON	0.0	<a href="#"><u>1</u></a>
MILLER PAVING	4499 7th Concession Uxbridge ON	0.0	<a href="#"><u>1</u></a>
MILLER PAVING LIMITED	4499 7th Concession Uxbridge ON	0.0	<a href="#"><u>1</u></a>
MILLER PAVING	4499 7th Concession Uxbridge ON	0.0	<a href="#"><u>1</u></a>
MILLER PAVING	4499 7th Concession Uxbridge ON	0.0	<a href="#"><u>1</u></a>

## **WWIS - Water Well Information System**

A search of the WWIS database, dated Jun 30, 2016 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 18 con 7 ON	0.0	<u>2</u>
	lot 18 con 7 ON	0.0	<u>3</u>
	lot 18 con 7 ON	0.0	<u>4</u>
	lot 17 con 7 ON	15.4	<u>5</u>
	lot 17 con 7 ON	39.7	<u>6</u>
	lot 17 con 7 ON	57.5	<u>7</u>
	lot 17 con 7 ON	61.4	<u>8</u>
	lot 17 con 7 ON	79.1	<u>9</u>
	lot 17 con 7 ON	224.2	<u>10</u>



### Map : 0.25 Kilometer Radius

Order No: 20170808138

Address: 4401 Concession Rd 7, Uxbridge, ON, L9P1R4



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

79°6'W

44°43'0"N

44°43'0"N



250 125 0 250 m

1:10000

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Aerial

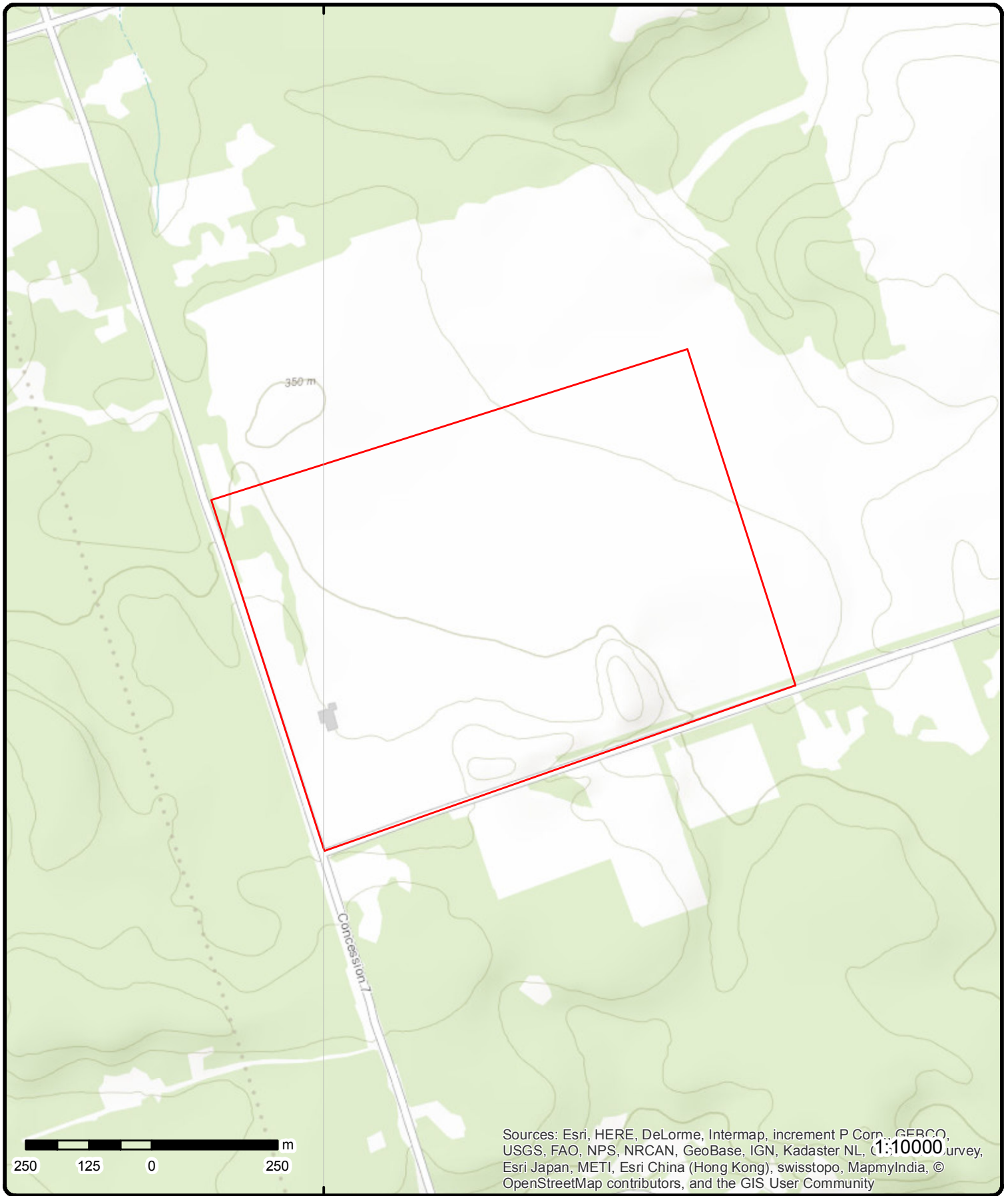
Order No: 20170808138

Address: 4401 Concession Rd 7, Uxbridge, ON, L9P1R4



Source: ESRI World Imagery

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# Topographic Map

**Address: 4401 Concession Rd 7, Uxbridge, ON, L9P1R4**

Source: ESRI World Topographic Map

Order No: 20170808138



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## Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">1</a>	1 of 8	-/0.0	348.9	<i>Miller Paving Limited Uxbridge ON</i>	<b>CA</b>
<b>Certificate #:</b> 9875-7QQNGC <b>Application Year:</b> 2009 <b>Issue Date:</b> 7/31/2009 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name::</b> <b>Client Address::</b> <b>Client City::</b> <b>Client Postal Code::</b> <b>Project Description::</b> <b>Contaminants::</b> <b>Emission Control::</b>					
<a href="#">1</a>	2 of 8	-/0.0	348.9	<i>Miller Paving Limited Uxbridge ON L9P 1R4</i>	<b>EBR</b>
<b>Company Name:</b> <b>Year:</b> 2007 <b>Notice Type:</b> Instrument Proposal <b>EBR Registry No.:</b> 010-1027 <b>Instrument Type:</b> Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9 <b>Proposal Date:</b> <b>Ministry Ref. No.:</b> 2920-747TJA <b>Location:</b> Uxbridge Regional Municipality of Durham L9P 1R4 <b>Proponent Address:</b> 505 Miller Avenue Post Office Box Delivery 4080 Postal Station Markham Ontario Canada L3R 9R8 <b>Notice Date:</b>					
<a href="#">1</a>	3 of 8	-/0.0	348.9	<i>MILLER PAVING 4499 7th Concession Uxbridge ON</i>	<b>NPRI</b>
<b>Longitude:</b> -79.0961 <b>NPRI #:</b> 0000010272 <b>Year:</b> 2007 <b>Latitude:</b> 44.0667					
<a href="#">1</a>	4 of 8	-/0.0	348.9	<i>MILLER PAVING 4499 7th Concession Uxbridge ON</i>	<b>NPRI</b>
<b>Longitude:</b> -79.0961 <b>NPRI #:</b> 0000010272 <b>Year:</b> 2004 <b>Latitude:</b> 44.0667					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>--Details--</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		2.712			
<b>Water:</b>					
<b>Substances Released:</b>		PM10 - Particulate Matter <= 10 Microns			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		1.436			
<b>Water:</b>					
<b>Substances Released:</b>		PM2.5 - Particulate Matter <= 2.5 Microns			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Volatile Organic Compounds (VOCs)			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Nitrous oxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Nitrogen oxides (expressed as NO2)			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Carbon dioxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Carbon monoxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Sulphur dioxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Methane			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		HFC-134a Hydrofluorocarbon			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Substances Released:</b>		PM - Total Particulate Matter			
<b>Land:</b>					
<a href="#">1</a>	5 of 8	-/0.0	348.9	MILLER PAVING LIMITED 4499 7th Concession Uxbridge ON	NPRI
<b>Longitude:</b>		-79.0961			
<b>NPRI #:</b>		0000010272			
<b>Year:</b>		2002			
<b>Latitude:</b>		44.0667			
<b>--Details--</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		1.801			
<b>Water:</b>					
<b>Substances Released:</b>		PM10 - Particulate Matter <= 10 Microns			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		.98			
<b>Water:</b>					
<b>Substances Released:</b>		PM2.5 - Particulate Matter <= 2.5 Microns			
<b>Land:</b>					
<a href="#">1</a>	6 of 8	-/0.0	348.9	MILLER PAVING 4499 7th Concession Uxbridge ON	NPRI
<b>Longitude:</b>		-79.0961			
<b>NPRI #:</b>		0000010272			
<b>Year:</b>		2003			
<b>Latitude:</b>		44.0667			
<b>--Details--</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Nitrous oxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		.654			
<b>Water:</b>					
<b>Substances Released:</b>		Nitrogen oxides (expressed as NO2)			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		929.619			
<b>Water:</b>					
<b>Substances Released:</b>		Carbon dioxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		3.645			
<b>Water:</b>					
<b>Substances Released:</b>		Carbon monoxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Air:</b>		.305			
<b>Water:</b>					
<b>Substances Released:</b>		Sulphur dioxide			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		Methane			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>					
<b>Water:</b>					
<b>Substances Released:</b>		HFC-134a Hydrofluorocarbon			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		.577			
<b>Water:</b>					
<b>Substances Released:</b>		PM - Total Particulate Matter			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		2.811			
<b>Water:</b>					
<b>Substances Released:</b>		PM10 - Particulate Matter <= 10 Microns			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		1.546			
<b>Water:</b>					
<b>Substances Released:</b>		PM2.5 - Particulate Matter <= 2.5 Microns			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		1.126			
<b>Water:</b>					
<b>Substances Released:</b>		Volatile Organic Compounds (VOCs)			
<b>Land:</b>					
<b>1</b>	<b>7 of 8</b>	<b>-/0.0</b>	<b>348.9</b>	<b>MILLER PAVING 4499 7th Concession Uxbridge ON</b>	<b>NPRI</b>
<b>Longitude:</b>		-79.0961			
<b>NPRI #:</b>		0000010272			
<b>Year:</b>		2005			
<b>Latitude:</b>		44.0667			
<b>--Details--</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		3.687			
<b>Water:</b>					
<b>Substances Released:</b>		PM10 - Particulate Matter <= 10 Microns			
<b>Land:</b>					
<b>Units:</b>		tonnes			
<b>Air:</b>		1.951			
<b>Water:</b>					
<b>Substances Released:</b>		PM2.5 - Particulate Matter <= 2.5 Microns			
<b>Land:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">1</a>	8 of 8	-/0.0	348.9	MILLER PAVING 4499 7th Concession Uxbridge ON	NPRI
<p><b>Longitude:</b> -79.0961  <b>NPRI #:</b> 0000010272  <b>Year:</b> 2006  <b>Latitude:</b> 44.0667</p> <p><b>--Details--</b></p> <p><b>Units:</b> tonnes  <b>Air:</b> 2.234  <b>Water:</b>  <b>Substances Released:</b> PM10 - Particulate Matter &lt;= 10 Microns  <b>Land:</b></p> <p><b>Units:</b> tonnes  <b>Air:</b> 1.31  <b>Water:</b>  <b>Substances Released:</b> PM2.5 - Particulate Matter &lt;= 2.5 Microns  <b>Land:</b></p>					
<a href="#">2</a>	1 of 1	-/0.0	350.5	lot 18 con 7 ON	WWIS
<p><b>Well ID:</b> 1907293  <b>Construction Date:</b>  <b>Primary Water Use:</b> Industrial  <b>Sec. Water Use:</b>  <b>Final Well Status:</b> Water Supply  <b>Specific Capacity:</b>  <b>Municipality:</b> UXBRIDGE TOWNSHIP (UXBRIDGE)  <b>County:</b> DURHAM</p> <p><b>Lot:</b> 018  <b>Concession:</b> 07  <b>Concession Name:</b> CON  <b>Easting NAD83:</b>  <b>Northing NAD83:</b>  <b>Zone:</b>  <b>UTM Reliability:</b></p> <p><b>Bore Hole Information</b>  --  <b>Bore Hole ID:</b> 10075932  <b>DP2BR:</b>  <b>Code OB:</b> o  <b>Code OB Description:</b> Overburden  <b>Open Hole:</b>  <b>Date Completed:</b> 08-APR-85  <b>Remarks:</b>  <b>Zone:</b> 17  <b>East 83:</b> 652464.9  <b>North 83:</b> 4880973  <b>UTMRC:</b> 5  <b>UTMRC Description:</b> margin of error : 100 m - 300 m  <b>Location Method:</b> p5  <b>Org CS:</b>  <b>Elevation:</b> 350.99  <b>Elevrc:</b>  <b>Elevrc Description:</b>  <b>Location Source Date:</b>  <b>Source Revision Comment:</b>  <b>Improvement Location Source:</b>  <b>Improvement Location Method:</b>  <b>Supplier Comment:</b>  <b>Spatial Status:</b>  --  <b>Overburden and Bedrock</b></p>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Materials Interval</b>					
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<b>Formation ID:</b>		931164721			
<b>Layer:</b>		1			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>		LOOSE			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		45			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931164722			
<b>Layer:</b>		2			
<b>General Color:</b>		YELLOW			
<b>Most Common Material:</b>		FINE SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		45			
<b>Formation End Depth:</b>		110			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931164723			
<b>Layer:</b>		3			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>		PACKED			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		110			
<b>Formation End Depth:</b>		149			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931164724			
<b>Layer:</b>		4			
<b>General Color:</b>		GREY			
<b>Most Common Material:</b>		CLAY			
<b>Other Materials:</b>		SAND			
<b>Other Materials:</b>		LAYERED			
<b>Formation Top Depth:</b>		149			
<b>Formation End Depth:</b>		153			
<b>Formation End Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
<b>Method Construction ID:</b>		961907293			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
<b>Pipe ID:</b>		10624502			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
<b>Casing ID:</b>		930133760			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		136			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Casing Depth UOM:</b>		ft			
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<b>Casing ID:</b>		930133761			
<b>Layer:</b>		2			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		153			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
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<b>Construction Record - Screen</b>					
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<b>Screen ID:</b>		933330581			
<b>Layer:</b>		1			
<b>Slot:</b>		025			
<b>Screen Top Depth:</b>		137			
<b>Screen End Depth:</b>		146			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
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<b>Well Yield Testing</b>					
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<b>Pump Test ID:</b>		991907293			
<b>Pump Set At:</b>					
<b>Static Level:</b>		110			
<b>Final Level After Pumping:</b>		115			
<b>Recommended Pump Depth:</b>		140			
<b>Pumping Rate:</b>		15			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		40			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		N			
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<b>Draw Down &amp; Recovery</b>					
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<b>Pump Test Detail ID:</b>		934123236			
<b>Pump Test ID:</b>		991907293			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		115			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934404131			
<b>Pump Test ID:</b>		991907293			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		115			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934672732			
<b>Pump Test ID:</b>		991907293			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		115			
<b>Test Level UOM:</b>		ft			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Pump Test Detail ID:</b>		934925014			
<b>Pump Test ID:</b>		991907293			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		115			
<b>Test Level UOM:</b>		ft			
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<b>Water Details</b>					
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<b>Water ID:</b>		933517837			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		110			
<b>Water Found Depth UOM:</b>		ft			
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<u>3</u>	1 of 1	-/0.0	351.0	lot 18 con 7 ON	WWIS
<b>Well ID:</b>	4603011			<b>Lot:</b>	018
<b>Construction Date:</b>				<b>Concession:</b>	07
<b>Primary Water Use:</b>	Livestock			<b>Concession Name:</b>	CON
<b>Sec. Water Use:</b>	Domestic			<b>Easting NAD83:</b>	
<b>Final Well Status:</b>	Water Supply			<b>Northing NAD83:</b>	
<b>Specific Capacity:</b>				<b>Zone:</b>	
<b>Municipality:</b>	UXBRIDGE TOWNSHIP (UXBRIDGE)			<b>UTM Reliability:</b>	
<b>County:</b>	DURHAM				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>	10294372				
<b>DP2BR:</b>					
<b>Code OB:</b>	0				
<b>Code OB Description:</b>	Overburden				
<b>Open Hole:</b>					
<b>Date Completed:</b>	23-APR-55				
<b>Remarks:</b>					
<b>Zone:</b>	17				
<b>East 83:</b>	652262.9				
<b>North 83:</b>	4880982				
<b>UTMRC:</b>	5				
<b>UTMRC Description:</b>	margin of error : 100 m - 300 m				
<b>Location Method:</b>	p5				
<b>Org CS:</b>					
<b>Elevation:</b>	352.14				
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
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<b>Overburden and Bedrock</b>					
<b>Materials Interval</b>					
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<b>Formation ID:</b>	931951053				
<b>Layer:</b>	1				
<b>General Color:</b>					
<b>Most Common Material:</b>	GRAVEL				
<b>Other Materials:</b>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		30			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931951054			
<b>Layer:</b>		2			
<b>General Color:</b>					
<b>Most Common Material:</b>		CLAY			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		30			
<b>Formation End Depth:</b>		130			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931951055			
<b>Layer:</b>		3			
<b>General Color:</b>					
<b>Most Common Material:</b>		GRAVEL			
<b>Other Materials:</b>		MEDIUM SAND			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		130			
<b>Formation End Depth:</b>		148			
<b>Formation End Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		964603011			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		10842942			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
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<b>Casing ID:</b>		930486516			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		148			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
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<b>Well Yield Testing</b>					
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<b>Pump Test ID:</b>		994603011			
<b>Pump Set At:</b>					
<b>Static Level:</b>		133			
<b>Final Level After Pumping:</b>		135			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		4			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Pumping Duration HR:</b>	1				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	N				
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<b>Water Details</b>					
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<b>Water ID:</b>	933765262				
<b>Layer:</b>	1				
<b>Kind Code:</b>	1				
<b>Kind:</b>	FRESH				
<b>Water Found Depth:</b>	148				
<b>Water Found Depth UOM:</b>	ft				
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<u>4</u>	1 of 1	-/0.0	355.8	lot 18 con 7 ON	WWIS
<b>Well ID:</b>	4603012			<b>Lot:</b>	018
<b>Construction Date:</b>				<b>Concession:</b>	07
<b>Primary Water Use:</b>	Livestock			<b>Concession Name:</b>	CON
<b>Sec. Water Use:</b>	Domestic			<b>Easting NAD83:</b>	
<b>Final Well Status:</b>	Water Supply			<b>Northing NAD83:</b>	
<b>Specific Capacity:</b>				<b>Zone:</b>	
<b>Municipality:</b>	UXBRIDGE TOWNSHIP (UXBRIDGE)			<b>UTM Reliability:</b>	
<b>County:</b>	DURHAM				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>	10294373				
<b>DP2BR:</b>					
<b>Code OB:</b>	o				
<b>Code OB Description:</b>	Overburden				
<b>Open Hole:</b>					
<b>Date Completed:</b>	12-APR-56				
<b>Remarks:</b>					
<b>Zone:</b>	17				
<b>East 83:</b>	652122.9				
<b>North 83:</b>	4880962				
<b>UTMRC:</b>	5				
<b>UTMRC Description:</b>	margin of error : 100 m - 300 m				
<b>Location Method:</b>	p5				
<b>Org CS:</b>					
<b>Elevation:</b>	355.39				
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
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<b>Overburden and Bedrock Materials Interval</b>					
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<b>Formation ID:</b>	931951056				
<b>Layer:</b>	1				
<b>General Color:</b>					
<b>Most Common Material:</b>	GRAVEL				
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0				
<b>Formation End Depth:</b>	45				
<b>Formation End Depth UOM:</b>	ft				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
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<b>Formation ID:</b>		931951057			
<b>Layer:</b>		2			
<b>General Color:</b>					
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		45			
<b>Formation End Depth:</b>		135			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931951058			
<b>Layer:</b>		3			
<b>General Color:</b>					
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>		GRAVEL			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		135			
<b>Formation End Depth:</b>		155			
<b>Formation End Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		964603012			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		10842943			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
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<b>Casing ID:</b>		930486517			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		155			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
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<b>Well Yield Testing</b>					
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<b>Pump Test ID:</b>		994603012			
<b>Pump Set At:</b>					
<b>Static Level:</b>		135			
<b>Final Level After Pumping:</b>		140			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		8			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Water Details</b>					
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<b>Water ID:</b>		933765263			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		155			
<b>Water Found Depth UOM:</b>		ft			
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<u>5</u>	1 of 1	SE/15.4	353.2	lot 17 con 7 ON	WWIS
<b>Well ID:</b>	4604975			<b>Lot:</b> 017	
<b>Construction Date:</b>				<b>Concession:</b> 07	
<b>Primary Water Use:</b>	Domestic			<b>Concession Name:</b> CON	
<b>Sec. Water Use:</b>				<b>Easting NAD83:</b>	
<b>Final Well Status:</b>	Water Supply			<b>Northing NAD83:</b>	
<b>Specific Capacity:</b>				<b>Zone:</b>	
<b>Municipality:</b>	UXBRIDGE TOWNSHIP (UXBRIDGE)			<b>UTM Reliability:</b>	
<b>County:</b>	DURHAM				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>		10296299			
<b>DP2BR:</b>					
<b>Code OB:</b>		0			
<b>Code OB Description:</b>		Overburden			
<b>Open Hole:</b>					
<b>Date Completed:</b>		29-NOV-71			
<b>Remarks:</b>					
<b>Zone:</b>		17			
<b>East 83:</b>		652614.9			
<b>North 83:</b>		4880873			
<b>UTMRC:</b>		4			
<b>UTMRC Description:</b>		margin of error : 30 m - 100 m			
<b>Location Method:</b>		p4			
<b>Org CS:</b>					
<b>Elevation:</b>		353.48			
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
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<b>Overburden and Bedrock Materials Interval</b>					
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<b>Formation ID:</b>		931958985			
<b>Layer:</b>		1			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>		CLAY			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		86			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931958986			
<b>Layer:</b>		2			
<b>General Color:</b>		BLUE			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		CLAY			
<b>Other Materials:</b>		SILT			
<b>Other Materials:</b>		STONES			
<b>Formation Top Depth:</b>		86			
<b>Formation End Depth:</b>		168			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931958987			
<b>Layer:</b>		3			
<b>General Color:</b>		BLUE			
<b>Most Common Material:</b>		CLAY			
<b>Other Materials:</b>		SILT			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		168			
<b>Formation End Depth:</b>		217			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931958988			
<b>Layer:</b>		4			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		217			
<b>Formation End Depth:</b>		226			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931958989			
<b>Layer:</b>		5			
<b>General Color:</b>		BLUE			
<b>Most Common Material:</b>		CLAY			
<b>Other Materials:</b>		SILT			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		226			
<b>Formation End Depth:</b>		230			
<b>Formation End Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		964604975			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		10844869			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
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<b>Casing ID:</b>		930488648			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		221			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
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<b>Construction Record - Screen</b>					
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<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Screen ID:</b>		933356171			
<b>Layer:</b>		1			
<b>Slot:</b>		006			
<b>Screen Top Depth:</b>		221			
<b>Screen End Depth:</b>		225			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5.75			
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<b>Well Yield Testing</b>					
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<b>Pump Test ID:</b>		994604975			
<b>Pump Set At:</b>					
<b>Static Level:</b>		124			
<b>Final Level After Pumping:</b>		180			
<b>Recommended Pump Depth:</b>		218			
<b>Pumping Rate:</b>		4			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		4			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		4			
<b>Pumping Duration MIN:</b>		45			
<b>Flowing:</b>		N			
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<b>Draw Down &amp; Recovery</b>					
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<b>Pump Test Detail ID:</b>		934252009			
<b>Pump Test ID:</b>		994604975			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		140			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934516631			
<b>Pump Test ID:</b>		994604975			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		130			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934772133			
<b>Pump Test ID:</b>		994604975			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		124			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		935041282			
<b>Pump Test ID:</b>		994604975			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		124			
<b>Test Level UOM:</b>		ft			
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<b>Water Details</b>					
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<b>Water ID:</b>		933767313			
<b>Layer:</b>		1			
<b>Kind Code:</b>		5			
<b>Kind:</b>		Not stated			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water Found Depth:		217			
Water Found Depth UOM:		ft			
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<u>6</u>	1 of 1	S/39.7	361.5	lot 17 con 7 ON	WWIS
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<b>Well ID:</b>	4605891	<b>Lot:</b>	017
<b>Construction Date:</b>		<b>Concession:</b>	07
<b>Primary Water Use:</b>	Domestic	<b>Concession Name:</b>	CON
<b>Sec. Water Use:</b>		<b>Easting NAD83:</b>	
<b>Final Well Status:</b>	Water Supply	<b>Northing NAD83:</b>	
<b>Specific Capacity:</b>		<b>Zone:</b>	
<b>Municipality:</b>	UXBRIDGE TOWNSHIP (UXBRIDGE)	<b>UTM Reliability:</b>	
<b>County:</b>	DURHAM		

**Bore Hole Information**

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<b>Bore Hole ID:</b>	10297202
<b>DP2BR:</b>	
<b>Code OB:</b>	o
<b>Code OB Description:</b>	Overburden
<b>Open Hole:</b>	
<b>Date Completed:</b>	30-MAY-74
<b>Remarks:</b>	
<b>Zone:</b>	17
<b>East 83:</b>	652460.9
<b>North 83:</b>	4880789
<b>UTMRC:</b>	4
<b>UTMRC Description:</b>	margin of error : 30 m - 100 m
<b>Location Method:</b>	p4
<b>Org CS:</b>	
<b>Elevation:</b>	361.6
<b>Elevrc:</b>	
<b>Elevrc Description:</b>	
<b>Location Source Date:</b>	
<b>Source Revision Comment:</b>	
<b>Improvement Location Source:</b>	
<b>Improvement Location Method:</b>	
<b>Supplier Comment:</b>	
<b>Spatial Status:</b>	
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**Overburden and Bedrock  
Materials Interval**

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<b>Formation ID:</b>	931962717
<b>Layer:</b>	1
<b>General Color:</b>	BROWN
<b>Most Common Material:</b>	SAND
<b>Other Materials:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	55
<b>Formation End Depth UOM:</b>	ft
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<b>Formation ID:</b>	931962718
<b>Layer:</b>	2
<b>General Color:</b>	BROWN
<b>Most Common Material:</b>	SAND
<b>Other Materials:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	55
<b>Formation End Depth:</b>	150
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
--	--				
<b>Formation ID:</b>		931962719			
<b>Layer:</b>		3			
<b>General Color:</b>		GREY			
<b>Most Common Material:</b>		CLAY			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		150			
<b>Formation End Depth:</b>		165			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931962720			
<b>Layer:</b>		4			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		165			
<b>Formation End Depth:</b>		180			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931962721			
<b>Layer:</b>		5			
<b>General Color:</b>		GREY			
<b>Most Common Material:</b>		SILT			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		180			
<b>Formation End Depth:</b>		195			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931962722			
<b>Layer:</b>		6			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		195			
<b>Formation End Depth:</b>		205			
<b>Formation End Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		964605891			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		10845772			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
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<b>Casing ID:</b>		930489736			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		201			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
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<b>Construction Record - Screen</b>					
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<b>Screen ID:</b>		933356502			
<b>Layer:</b>		1			
<b>Slot:</b>		012			
<b>Screen Top Depth:</b>		201			
<b>Screen End Depth:</b>		205			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		6			
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<b>Well Yield Testing</b>					
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<b>Pump Test ID:</b>		994605891			
<b>Pump Set At:</b>					
<b>Static Level:</b>		165			
<b>Final Level After Pumping:</b>		185			
<b>Recommended Pump Depth:</b>		195			
<b>Pumping Rate:</b>		8			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		8			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
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<b>Draw Down &amp; Recovery</b>					
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<b>Pump Test Detail ID:</b>		934246662			
<b>Pump Test ID:</b>		994605891			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		165			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934519879			
<b>Pump Test ID:</b>		994605891			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		165			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934775372			
<b>Pump Test ID:</b>		994605891			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		165			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		935035373			
<b>Pump Test ID:</b>		994605891			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		165			
<b>Test Level UOM:</b>		ft			
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<b>Water Details</b>		--			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water ID:		933768278			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		195			
Water Found Depth UOM:		ft			
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<a href="#">7</a>	1 of 1	ESE/57.5	346.6	lot 17 con 7 ON	WWIS
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Well ID:	4604087	Lot:	017
Construction Date:		Concession:	07
Primary Water Use:	Domestic	Concession Name:	CON
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Water Supply	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	UXBRIDGE TOWNSHIP (UXBRIDGE)	UTM Reliability:	
County:	DURHAM		

**Bore Hole Information**

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Bore Hole ID:	10295431
DP2BR:	
Code OB:	0
Code OB Description:	Overburden
Open Hole:	
Date Completed:	27-JUN-69
Remarks:	
Zone:	17
East 83:	652864.9
North 83:	4880923
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	346.12
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
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**Overburden and Bedrock**

**Materials Interval**

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Formation ID:	931955306
Layer:	1
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	BOULDERS
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	30
Formation End Depth UOM:	ft
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Formation ID:	931955307
Layer:	2
General Color:	
Most Common Material:	COARSE SAND
Other Materials:	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Other Materials:</b>					
<i>Formation Top Depth:</i>		30			
<i>Formation End Depth:</i>		129			
<i>Formation End Depth UOM:</i>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<i>Method Construction ID:</i>		964604087			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>		--			
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<b>Pipe Information</b>					
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<i>Pipe ID:</i>		10844001			
<i>Casing Number:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>		--			
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<b>Construction Record - Casing</b>					
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<i>Casing ID:</i>		930487668			
<i>Layer:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		125			
<i>Casing Diameter:</i>		5			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
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<b>Construction Record - Screen</b>					
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<i>Screen ID:</i>		933355918			
<i>Layer:</i>		1			
<i>Slot:</i>		018			
<i>Screen Top Depth:</i>		125			
<i>Screen End Depth:</i>		129			
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		ft			
<i>Screen Diameter UOM:</i>		inch			
<i>Screen Diameter:</i>		--			
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<b>Well Yield Testing</b>					
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<i>Pump Test ID:</i>		994604087			
<i>Pump Set At:</i>					
<i>Static Level:</i>		107			
<i>Final Level After Pumping:</i>		110			
<i>Recommended Pump Depth:</i>		115			
<i>Pumping Rate:</i>		9			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		5			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		2			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		N			
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<b>Water Details</b>					
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<i>Water ID:</i>		933766361			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		129			
Water Found Depth UOM:		ft			
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<a href="#">8</a>	1 of 1	SSW/61.4	363.0	lot 17 con 7 ON	WWIS
Well ID:	4604257			Lot:	017
Construction Date:				Concession:	07
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	UXBRIDGE TOWNSHIP (UXBRIDGE)			UTM Reliability:	
County:	DURHAM				
<b>Bore Hole Information</b>					
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Bore Hole ID:	10295595				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	25-NOV-69				
Remarks:					
Zone:	17				
East 83:	652214.9				
North 83:	4880673				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	p4				
Org CS:					
Elevation:	363.94				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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<b>Overburden and Bedrock Materials Interval</b>					
--		--			
Formation ID:	931955992				
Layer:	1				
General Color:	RED				
Most Common Material:	MEDIUM SAND				
Other Materials:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	92				
Formation End Depth UOM:	ft				
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Formation ID:	931955993				
Layer:	2				
General Color:	GREY				
Most Common Material:	CLAY				
Other Materials:					
Other Materials:					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		92			
<b>Formation End Depth:</b>		160			
<b>Formation End Depth UOM:</b>		ft			
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<b>Formation ID:</b>		931955994			
<b>Layer:</b>		3			
<b>General Color:</b>		RED			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		160			
<b>Formation End Depth:</b>		189			
<b>Formation End Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		964604257			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		10844165			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
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<b>Casing ID:</b>		930487849			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		185			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
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<b>Construction Record - Screen</b>					
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<b>Screen ID:</b>		933355964			
<b>Layer:</b>		1			
<b>Slot:</b>		018			
<b>Screen Top Depth:</b>		185			
<b>Screen End Depth:</b>		189			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5			
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<b>Well Yield Testing</b>					
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<b>Pump Test ID:</b>		994604257			
<b>Pump Set At:</b>					
<b>Static Level:</b>		165			
<b>Final Level After Pumping:</b>		170			
<b>Recommended Pump Depth:</b>		180			
<b>Pumping Rate:</b>		7			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		N			
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<b>Draw Down &amp; Recovery</b>		--			
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<b>Pump Test Detail ID:</b>		934249806			
<b>Pump Test ID:</b>		994604257			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		165			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934523181			
<b>Pump Test ID:</b>		994604257			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934779112			
<b>Pump Test ID:</b>		994604257			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		935039069			
<b>Pump Test ID:</b>		994604257			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
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<b>Water Details</b>		--			
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<b>Water ID:</b>		933766536			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		189			
<b>Water Found Depth UOM:</b>		ft			
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9      1 of 1      SSW/79.1      364.0      lot 17 con 7 ON      WWIS

<b>Well ID:</b>	1907004	<b>Lot:</b>	017
<b>Construction Date:</b>		<b>Concession:</b>	07
<b>Primary Water Use:</b>	Domestic	<b>Concession Name:</b>	CON
<b>Sec. Water Use:</b>		<b>Easting NAD83:</b>	
<b>Final Well Status:</b>	Water Supply	<b>Northing NAD83:</b>	
<b>Specific Capacity:</b>		<b>Zone:</b>	
<b>Municipality:</b>	UXBRIDGE TOWNSHIP (UXBRIDGE)	<b>UTM Reliability:</b>	
<b>County:</b>	DURHAM		

**Bore Hole Information**

--

**Bore Hole ID:** 10075646

**DP2BR:**

**Code OB:** 0

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Code OB Description:</b>		Overburden			
<b>Open Hole:</b>					
<b>Date Completed:</b>		18-JUL-84			
<b>Remarks:</b>					
<b>Zone:</b>		17			
<b>East 83:</b>		652264.9			
<b>North 83:</b>		4880673			
<b>UTMRC:</b>		5			
<b>UTMRC Description:</b>		margin of error : 100 m - 300 m			
<b>Location Method:</b>		p5			
<b>Org CS:</b>					
<b>Elevation:</b>		365.23			
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
--		--			
<b>Overburden and Bedrock Materials Interval</b>					
--		--			
<b>Formation ID:</b>		931163371			
<b>Layer:</b>		1			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>		LOOSE			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		110			
<b>Formation End Depth UOM:</b>		ft			
--		--			
<b>Formation ID:</b>		931163372			
<b>Layer:</b>		2			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>		STONES			
<b>Other Materials:</b>		LOOSE			
<b>Formation Top Depth:</b>		110			
<b>Formation End Depth:</b>		180			
<b>Formation End Depth UOM:</b>		ft			
--		--			
<b>Formation ID:</b>		931163373			
<b>Layer:</b>		3			
<b>General Color:</b>		GREY			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>		LOOSE			
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		180			
<b>Formation End Depth:</b>		185			
<b>Formation End Depth UOM:</b>		ft			
--		--			
<b>Method of Construction &amp; Well Use</b>					
--		--			
<b>Method Construction ID:</b>		961907004			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
--		--			
<b>Pipe Information</b>					
--		--			
<b>Pipe ID:</b>		10624216			
<b>Casing Number:</b>		1			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Comment:</b>					
<b>Alt Name:</b>					
--		--			
<b>Construction Record - Casing</b>					
--					
<b>Casing ID:</b>		930133456			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		82			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
--		--			
--		--			
<b>Construction Record - Screen</b>					
--					
<b>Screen ID:</b>		933330448			
<b>Layer:</b>		1			
<b>Slot:</b>		012			
<b>Screen Top Depth:</b>		182			
<b>Screen End Depth:</b>		185			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		5			
--		--			
<b>Well Yield Testing</b>					
--					
<b>Pump Test ID:</b>		991907004			
<b>Pump Set At:</b>					
<b>Static Level:</b>		135			
<b>Final Level After Pumping:</b>		145			
<b>Recommended Pump Depth:</b>		165			
<b>Pumping Rate:</b>		15			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		N			
--		--			
<b>Draw Down &amp; Recovery</b>					
--					
<b>Pump Test Detail ID:</b>		934923963			
<b>Pump Test ID:</b>		991907004			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		145			
<b>Test Level UOM:</b>		ft			
--		--			
--		--			
<b>Water Details</b>					
--					
<b>Water ID:</b>		933517520			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		130			
<b>Water Found Depth UOM:</b>		ft			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<a href="#">10</a>	1 of 1	E/224.2	345.0	lot 17 con 7 ON	WWIS
<b>Well ID:</b>	4604940			<b>Lot:</b>	017
<b>Construction Date:</b>				<b>Concession:</b>	07
<b>Primary Water Use:</b>	Domestic			<b>Concession Name:</b>	CON
<b>Sec. Water Use:</b>				<b>Easting NAD83:</b>	
<b>Final Well Status:</b>	Water Supply			<b>Northing NAD83:</b>	
<b>Specific Capacity:</b>				<b>Zone:</b>	
<b>Municipality:</b>	UXBRIDGE TOWNSHIP (UXBRIDGE)			<b>UTM Reliability:</b>	
<b>County:</b>	DURHAM				
<b>Bore Hole Information</b>					
--	--				
<b>Bore Hole ID:</b>	10296264				
<b>DP2BR:</b>					
<b>Code OB:</b>	0				
<b>Code OB Description:</b>	Overburden				
<b>Open Hole:</b>					
<b>Date Completed:</b>	02-MAR-71				
<b>Remarks:</b>					
<b>Zone:</b>	17				
<b>East 83:</b>	653049.9				
<b>North 83:</b>	4881043				
<b>UTMRC:</b>	4				
<b>UTMRC Description:</b>	margin of error : 30 m - 100 m				
<b>Location Method:</b>	p4				
<b>Org CS:</b>					
<b>Elevation:</b>	345.04				
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
--	--				
<b>Overburden and Bedrock</b>					
<b>Materials Interval</b>					
--	--				
<b>Formation ID:</b>	931958821				
<b>Layer:</b>	1				
<b>General Color:</b>	BROWN				
<b>Most Common Material:</b>	MEDIUM SAND				
<b>Other Materials:</b>	GRAVEL				
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	0				
<b>Formation End Depth:</b>	130				
<b>Formation End Depth UOM:</b>	ft				
--	--				
<b>Formation ID:</b>	931958822				
<b>Layer:</b>	2				
<b>General Color:</b>	BROWN				
<b>Most Common Material:</b>	FINE SAND				
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	130				
<b>Formation End Depth:</b>	160				
<b>Formation End Depth UOM:</b>	ft				
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<b>Formation ID:</b>	931958823				
<b>Layer:</b>	3				
<b>General Color:</b>	BLUE				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		FINE SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	160				
<b>Formation End Depth:</b>	180				
<b>Formation End Depth UOM:</b>	ft				
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<b>Formation ID:</b>	931958824				
<b>Layer:</b>	4				
<b>General Color:</b>	GREY				
<b>Most Common Material:</b>		FINE SAND			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>	180				
<b>Formation End Depth:</b>	184				
<b>Formation End Depth UOM:</b>	ft				
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<b>Method of Construction &amp; Well Use</b>					
--	--				
<b>Method Construction ID:</b>	964604940				
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				
<b>Other Method Construction:</b>					
--	--				
<b>Pipe Information</b>					
--	--				
<b>Pipe ID:</b>	10844834				
<b>Casing Number:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
--	--				
<b>Construction Record - Casing</b>					
--	--				
<b>Casing ID:</b>	930488609				
<b>Layer:</b>	1				
<b>Open Hole or Material:</b>	STEEL				
<b>Depth From:</b>					
<b>Depth To:</b>	180				
<b>Casing Diameter:</b>	6				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
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--	--				
<b>Construction Record - Screen</b>					
--	--				
<b>Screen ID:</b>	933356150				
<b>Layer:</b>	1				
<b>Slot:</b>	006				
<b>Screen Top Depth:</b>	180				
<b>Screen End Depth:</b>	184				
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>	ft				
<b>Screen Diameter UOM:</b>	inch				
<b>Screen Diameter:</b>	6				
--	--				
<b>Well Yield Testing</b>					
--	--				
<b>Pump Test ID:</b>	994604940				
<b>Pump Set At:</b>					
<b>Static Level:</b>	108				
<b>Final Level After Pumping:</b>	170				
<b>Recommended Pump Depth:</b>	170				
<b>Pumping Rate:</b>	3				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	3				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
--		--			
<b>Draw Down &amp; Recovery</b>					
--		--			
<b>Pump Test Detail ID:</b>		934251977			
<b>Pump Test ID:</b>		994604940			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
--		--			
<b>Pump Test Detail ID:</b>		934516599			
<b>Pump Test ID:</b>		994604940			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
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<b>Pump Test Detail ID:</b>		934772101			
<b>Pump Test ID:</b>		994604940			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
--		--			
<b>Pump Test Detail ID:</b>		935041250			
<b>Pump Test ID:</b>		994604940			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		170			
<b>Test Level UOM:</b>		ft			
--		--			
<b>Water Details</b>					
--		--			
<b>Water ID:</b>		933767277			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		180			
<b>Water Found Depth UOM:</b>		ft			
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# Unplottable Summary

Total: **9** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 17 Con 7	Uxbridge ON	
AGR	Miller Paving Limited	Lot 18,19,20, Con 7	UXBRIDGE ON	
CONV	MILLER PAVING LIMITED		ON	
EBR	Miller Paving Limited	Uxbridge Regional Municipality of Durham L9P 1R4 Lot:18-20 Concession:7 TOWNSHIP OF UXBRIDGE	ON	
GEN	MILLER PAVING LIMITED	LOT 18, CONCESSION 7	UXBRIDGE ON	
GEN	MILLER PAVING LIMITED	LOT 18, CONCESSION 7	UXBRIDGE ON	
GEN	MILLER PAVING LIMITED	LOT 18, CONCESSION 7	UXBRIDGE ON	L9P1R4
GEN	MILLER PAVING LIMITED	LOT 18, CONCESSION 7	UXBRIDGE ON	L7H 8U6
GEN	MILLER PAVING LIMITED	LOT 18, CONCESSION 7	UXBRIDGE ON	

# Unplottable Report

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**Site:** Lot 17 Con 7 Uxbridge ON **Database:** AAGR

**Type:** Pit  
**Region/County:** Durham  
**Township:** Uxbridge  
**Concession::** 7  
**Lot::** 17  
**Size (ha)::**  
**Landuse::**  
**Comments::** Oak Ridges Moraine

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**Site:** Miller Paving Limited **Database:** AGR  
Lot 18,19,20, Con 7 UXBRIDGE ON

**ID:** 6578  
**Approval Type:** Class A Licence  
**Effective Date::**  
**Current Status:**  
**Status Date:**  
**Operation Type:** Pit  
**Max Tonnage:** 816000  
**Unlimited Tonnage:**  
**Geographic Township:** UXBRIDGE  
**Client Name:** Miller Paving Limited  
**Authority Type::**  
**Extraction Area::**  
**Licenced Area::** 196.05  
**Lot::** 18,19,20  
**Concession::** 7  
**Section::**  
**Municipality::** UXBRIDGE TP  
**County::** DURHAM R  
**District::**

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**Site:** MILLER PAVING LIMITED **Database:** CONV  
ON

**File No.:**  
**Publication Title:**  
**Publication City:**  
**Url:**  
**Crown Brief No.:** 98-0000-9003  
**Ministry District:**  
**Region:** CENTRAL REGION  
**Description:** THIS IS THE CENTRAL BRIEF FOR ALL P.O.A. TICKETS

**--Details--**  
**Publication Date:**  
**Count:** 1  
**Act:** EPA  
**Regulation:** 361/98  
**Section:** 12(5)  
**Act/Regulation/Section:** EPA-361/98-12(5)  
**Date Charged:** 11/23/98

**Charge Disposition:** SUSPENDED SENTENCE  
**Fine:** \$425.00

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**Site:** *Miller Paving Limited*  
*Uxbridge Regional Municipality of Durham L9P 1R4 Lot:18-20 Concession:7 TOWNSHIP OF UXBRIDGE ON*

**Database:**  
*EBR*

**Company Name:**  
**Year:** 2015  
**Notice Type:** Instrument Decision  
**EBR Registry No.:** 012-5401  
**Instrument Type:** Miller Paving Limited (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)  
**Proposal Date:** October 09, 2015  
**Ministry Ref. No.:** 1982-9W2RNS  
**Location:** Uxbridge Regional Municipality of Durham L9P 1R4 Lot:18-20 Concession:7 TOWNSHIP OF UXBRIDGE  
**Proponent Address:** Post Office Box Delivery 4080, Markham Ontario, Canada L3R 9R8  
**Notice Date:** July 04, 2016

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**Site:** *MILLER PAVING LIMITED*  
*LOT 18, CONCESSION 7 UXBRIDGE ON*

**Database:**  
*GEN*

**PO Box Num:**  
**Status:**  
**Country:**  
**Generator #:** ON0305908  
**Approval Yrs.:** 2013  
**SIC Code:** 484239  
**SIC Description:** OTHER SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG DISTANCE

**--Details--**

**Waste Code:** 221  
**Waste Description:** LIGHT FUELS

**Waste Code:** 252  
**Waste Description:** WASTE OILS & LUBRICANTS

---

**Site:** *MILLER PAVING LIMITED*  
*LOT 18, CONCESSION 7 UXBRIDGE ON*

**Database:**  
*GEN*

**PO Box Num:**  
**Status:**  
**Country:**  
**Generator #:** ON0305908  
**Approval Yrs.:** 2012  
**SIC Code:** 484239  
**SIC Description:** Other Specialized Freight (except Used Goods) Trucking Long Distance

**--Details--**

**Waste Code:** 221  
**Waste Description:** LIGHT FUELS

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**Site:** *MILLER PAVING LIMITED*  
*LOT 18, CONCESSION 7 UXBRIDGE ON L9P1R4*

**Database:**  
*GEN*

**PO Box Num:**  
**Status:** Registered  
**Country:** Canada  
**Generator #:** ON0305908  
**Approval Yrs.:** As of Sep 2016  
**SIC Code:**  
**SIC Description:**

**--Details--**

**Waste Code:** 252 L  
**Waste Description:** Waste crankcase oils and lubricants

**Waste Code:** 221 I  
**Waste Description:** Light fuels

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**Site:** MILLER PAVING LIMITED  
LOT 18, CONCESSION 7 UXBRIDGE ON L7H 8U6

**Database:**  
GEN

**PO Box Num:**  
**Status:**  
**Country:**  
**Generator #:** ON0305908  
**Approval Yrs::** As of May 2015  
**SIC Code:**  
**SIC Description:**

**--Details--**

**Waste Code:** 221  
**Waste Description:** Light fuels

**Waste Code:** 252  
**Waste Description:** Waste crankcase oils and lubricants

---

**Site:** MILLER PAVING LIMITED  
LOT 18, CONCESSION 7 UXBRIDGE ON

**Database:**  
GEN

**PO Box Num:**  
**Status:**  
**Country:**  
**Generator #:** ON0305908  
**Approval Yrs::** 92,93,97,98,99,00,01,02,03,04,05,06  
**SIC Code:** 4216  
**SIC Description:** ASPHALT PAVING

**--Details--**

**Waste Code:** 221  
**Waste Description:** LIGHT FUELS

## 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 2016**

### **Abandoned Mine Information System:**

Provincial [AMIS](#)

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

**Government Publication Date: 1800-Nov 2016**

### **Anderson's Waste Disposal Sites:**

Private [ANDR](#)

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

**Government Publication Date: 1860s-Present**

### **Automobile Wrecking & Supplies:**

Private [AUWR](#)

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

**Government Publication Date: 1999-May 2017**

### **Borehole:**

Provincial [BORE](#)

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

**Government Publication Date: 1875-Jul 2014**

### **Certificates of Approval:**

Provincial [CA](#)

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

**Government Publication Date: 1985-Oct 30, 2011\***



**Commercial Fuel Oil Tanks:**

Provincial **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

**Government Publication Date: Feb 28, 2017**

**Chemical Register:**

Private **CHEM**

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

**Government Publication Date: 1999-May 2017**

**Compressed Natural Gas Stations:**

Private **CNG**

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

**Government Publication Date: Dec 31, 2012**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial **COAL**

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

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial **CONV**

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

**Government Publication Date: 1989-Jul 2017**

**Certificates of Property Use:**

Provincial **CPU**

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

**Government Publication Date: 1994-Jul 2017**

**Drill Hole Database:**

Provincial **DRL**

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

**Government Publication Date: 1886-Aug 2015**

**Environmental Activity and Sector Registry:**

Provincial **EASR**

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

**Government Publication Date: Oct 2011-Mar 2017**

**Environmental Registry:**

Provincial **EBR**

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

**Government Publication Date: 1994-Jul 2017**

**Environmental Compliance Approval:**

Provincial **ECA**

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

**Government Publication Date: Oct 2011-Mar 2017**

**Environmental Effects Monitoring:**

Federal **EEM**

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

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private **EHS**

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

**Government Publication Date: 1999-Aug 2016**

**Environmental Issues Inventory System:**

Federal **EIIS**

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

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

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

**Government Publication Date: Dec 31, 2016**

**List of TSSA Expired Facilities:**

Provincial **EXP**

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

**Government Publication Date: Feb 28, 2017**

**Federal Convictions:**

Federal **FCON**

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

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

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

**Government Publication Date: Jun 2000-Mar 2017**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

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

**Government Publication Date: 1964-Sept 2003**

**Fuel Storage Tank:**

Provincial **FST**

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

**Government Publication Date: Feb 28, 2017**

**Fuel Storage Tank - Historic:**

Provincial **FSTH**

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

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial **GEN**

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

**Government Publication Date: 1986-Sep 2016**

**Greenhouse Gas Emissions from Large Facilities:**

Federal **GHG**

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

**Government Publication Date: 2013-Dec 2015**

**TSSA Historic Incidents:**

Provincial **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal **IAFT**

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

**Government Publication Date: 1950-Aug 2003\***

**TSSA Incidents:**

Provincial **INC**

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Government Publication Date: Feb 28, 2017**

**Landfill Inventory Management Ontario:**

Provincial **LIMO**

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Dec 31, 2013**

**Canadian Mine Locations:**

Private

MINE

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

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial

MNR

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

**Government Publication Date: 1846-Feb 2017**

**National Analysis of Trends in Emergencies System (NATES):**

Federal

NATE

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

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial

NCPL

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

**Government Publication Date: Dec 31, 2014**

**National Defense & Canadian Forces Fuel Tanks:**

Federal

NDFT

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

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal

NDSP

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

**Government Publication Date: Mar 1999-Aug 2010**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal

NDWD

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

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal

NEBI

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

**Government Publication Date: 2008 - Dec 2016**

**National Energy Board Wells:**

Federal

NEBW

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

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

NEES

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

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

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

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

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

**Government Publication Date: 1993-2014**

**Oil and Gas Wells:**

Private

OGW

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

**Government Publication Date: 1988-May 2017**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

**Government Publication Date: 1800-Oct 2016**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

**Orders:**

Provincial

ORD

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

**Government Publication Date: 1994-Jul 2017**

**Canadian Pulp and Paper:**

Private

PAP

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

**Government Publication Date: 1999, 2002, 2004, 2005, 2009**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial PES

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

**Government Publication Date: 1988-Oct 2016**

**TSSA Pipeline Incidents:**

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Government Publication Date: Feb 28, 2017**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

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

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

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

**Government Publication Date: 1994-Jul 2017**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

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

**Government Publication Date: 1986-2016**

**Record of Site Condition:**

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2017**

**Retail Fuel Storage Tanks:**

Private RST

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

**Government Publication Date: 1999-May 2017**

**Scott's Manufacturing Directory:**

Private SCT

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

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

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

**Government Publication Date: 1988-Feb 2017**

**Wastewater Discharger Registration Database:**

Provincial **SRDS**

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

**Government Publication Date: 1990-2014**

**Anderson's Storage Tanks:**

Private **TANK**

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

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal **TCFT**

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

**Government Publication Date: 1970-Jan 2015**

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial **VAR**

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

**Government Publication Date: Feb 28, 2017**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial **WDS**

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

**Government Publication Date: Mar 31, 2017**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial **WDSH**

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

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial **WWIS**

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

**Government Publication Date: Jun 30, 2016**

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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



**APPENDIX D**

**Aerial Photographs**

7529 29 88



A17188-32

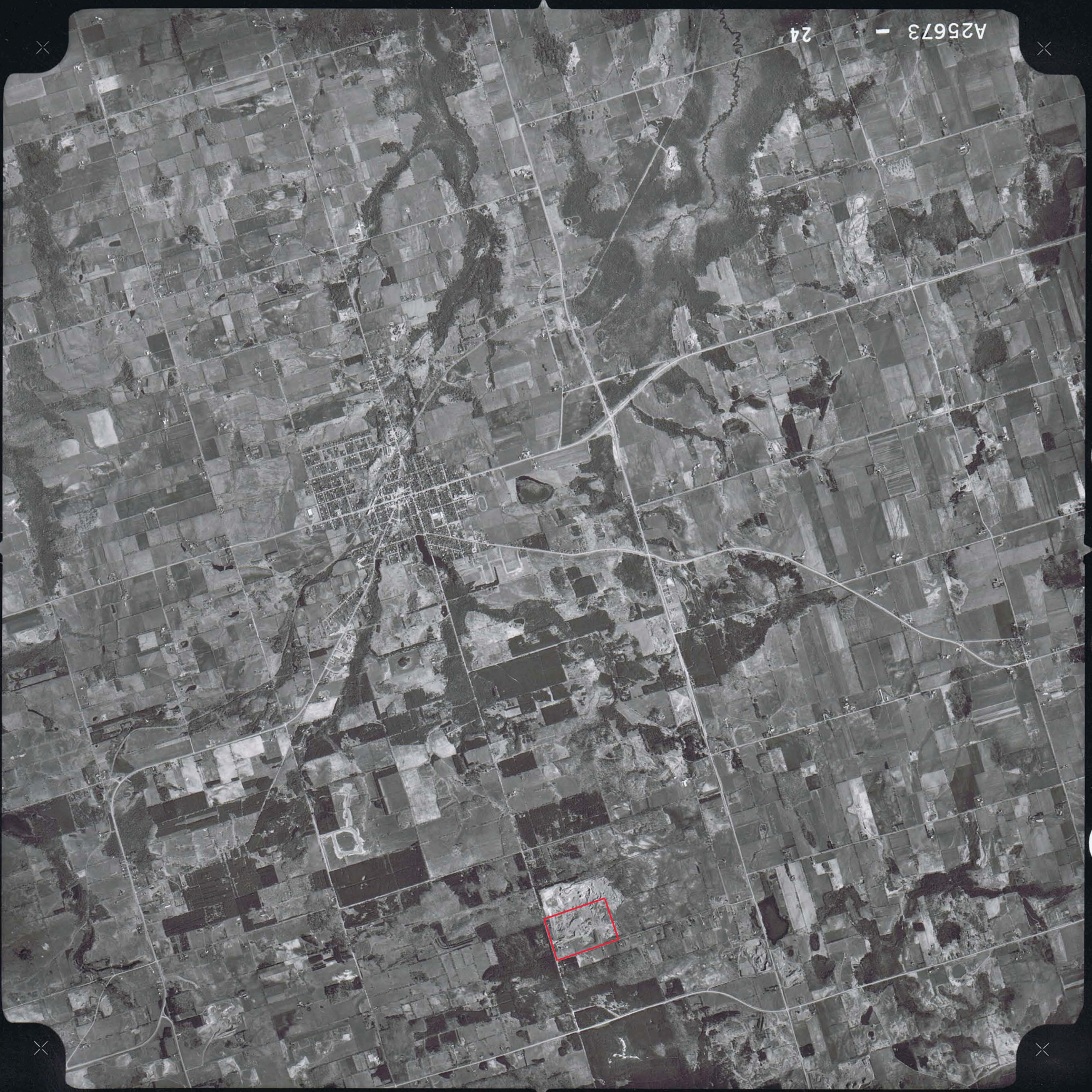




639

A24404

95



A25673 - 24





1-35

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15-04-95

**APPENDIX E**

**Site Photographs**



Photo 1 – View of the west portion of the Site.



Photo 2 – View of the asphalt plant at the Site.

CLIENT

**The Miller Group**

CONSULTANT



YYYY-MM-DD 2019-01-11

TAKEN BY EM/JN

CHECKED BY CP/EH

PROJECT

**Phase One Environmental Site Assessment -  
4499-4589 Concession Road 7, Uxbridge, Ontario**

TITLE

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PROJECT No. 1778651

FIGURE

**E1**





Photo 3 – View of a 4.540 L diesel AST.



Photo 4 – View of the truck wash station.

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FIGURE

**E2**



Photo 5 – View of pylon storage at the Site.



Photo 6 – View of a transformer present south of the asphalt plant.

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FIGURE

**E3**



Photo 7 – View of fuel oil AST in the basement at 4499 Concession Road 7.



Photo 8 – View of two asphalt cement storage tanks.

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FIGURE

**E4**



Photo 9 – View of fuel oil AST in the basement of the house at 4589 Concession Rd 7.



Photo 10 – Fuel oil ASTs present in the yard on the east side of the house at 4529 Concession Road 7.

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FIGURE

**E5**



Photo 11 – View of minor staining on floor of boiler house.



Photo 12 – View of liquid asphalt heating boiler.

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FIGURE

**E6**



Photo 13 – View of control panel of the hot oil heater in the boiler house.



Photo 14 – Air compressor in boiler house.

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FIGURE

**E7**



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