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ENVIRONMENTAL SITE ASSESSMENT
PHASE I REPORT

AT

37 Anderson Boulevard,
Uxbridge, ON

PREPARED FOR:

Hyson Properties
42 Ballantrae Rd
Stouffville, ON, L4A 1M5

September 13th, 2021

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EXECUTIVE SUMMARY

King EPCM (the Engineer) was retained by Mr. Zheng, Tom of Hyson Properties (the Client) to conduct a Phase I Environmental Site Assessment (ESA). The Phase I ESA property is located at 37 Anderson Boulevard, Uxbridge, Ontario (the Site).

It is understood that the Phase I ESA documented herein is being undertaken by the Client for the sole purpose of the intention to purchase of the property. The Phase I ESA report may be submitted to the due-diligence teams for banks and financial institutions. Records of Site Condition (RSC) submissions are not required at this time based on the Client needs, but would be required in the future for proposed developments.

The date of last work on all of the records review, interviews and site reconnaissance for the Phase I ESA is September 1st, 2021 (per Section 28 of O. Reg. 153/04).

The Site is approximately 19537 m^2 (4.83 acres) according to the GeoWarehouse Property Reports, and is located at the eastern corner of the current industrial complex which is along the Highway 47 and between the Concession Rd2 and the York/Durham Line, near the western boundary of Durham Region. The Site is in the industrial land, with industrial structures to the north and northwest, west and southwest, the Highway 47 to the south and southeast, and an agricultural area east and northeast.

The scope of the investigation for the Site included an extensive review of historical records associated with the Site, site reconnaissance and onsite interviews based on the Reg. 153/04 requirements. The report documented the findings based on relevant information, and made conclusions for likelihood of Areas of Potential Environmental Concern (APEC's) associated with the Potentially Contaminating Activities (PCA's).

The Phase I ESA did not encounter evidences of actual or potential environmental concerns based on the investigation for historical information and reconnaissance of current site situation, therefore no further environmental investigation of the Site is recommended at this time.

This report has been prepared for the sole use of Hyson Properties (the Client), or any financial institutions for due-diligence purposes. This report is considered an intellectual property of King EPCM, and third party use of this report, including reliance, in-part or full, is prohibited without written consent from King EPCM.

1. INTRODUCTION

King EPCM (the Engineer) was retained by Mr. Zheng, Tom of Hyson Properties (the Client) to conduct a Phase I Environmental Site Assessment (ESA). The Phase I ESA property is located at 37 Anderson Boulevard, Uxbridge, Ontario (the Site).

It is understood that the study documented herein is being undertaken by the Client for the sole purpose of the intention to purchase of the property. The Phase I ESA report may be submitted to the due-diligence teams for banks and financial institutions. Records of Site Condition (RSC) submissions are not required at this time based on the Client needs, but would be required in the future for proposed developments.

1.1. PHASE I PROPERTY INFORMATION

The Phase I property is approximately 19537 m^2 (4.83 acres) according to the GeoWarehouse Property Reports, and is located at the eastern corner of the current industrial complex which is along the Highway 47 between the Concession Rd2 and the York/Durham Line, near the western boundary of Durham Region. The Site is in the industrial land, with industrial structures to the north and northwest, west and southwest, the Highway 47 to the south and southeast, and an agricultural area east and northeast.

Site Address:	37 Anderson Boulevard, Uxbridge, Ontario
PIN:	268300127
Owner:	Fountain Hills Investments Ltd.
Occupant:	KTI Limited
Legal Description:	Lot 8, Plan 40m2336, S/T Easement in Gross until 2026 12 08 as in Dr568402 Subject To an Easement for Entry as in Dr1238811 Township Of Uxbridge

2. SCOPE OF INVESTIGATION

The Phase I ESA was completed in general accordance with the O. Reg. 153/04, and with the revision of O. Reg. 511/09. The report was created using:

- Historical records, such as environmental incidents, information databases, aerial photographs, and any documentation associated with the site
- Interviews with the property owner
- Site reconnaissance

The final results of the report are:

- Identification of the Phase I Study Area
- Identification of PCA's within the study area
- Likelihood of PCA's to influences the Phase I property
- Identification of any APEC's within the site due to PCA's with a high likelihood of influence & contamination
- Phase I Conceptual Site Model (CSM)
- Identification for the possible requirement of ESA Phase II Report

3. RECORDS REVIEW

3.1.GENERAL

3.1.1. PHASE I STUDY AREA DETERMINATION

As per O. Reg. 153/04, the Phase I study area is 250 m radius from the outer boundary of the site property, while the Phase I property refers to the property that is the subject of the Phase I ESA (the Site). For the purposes of this study, all properties, or parts of a property, that is within the 250 m radius is considered to be within the study area. See attached Appendix II for a detailed map of the Phase I study area.

3.1.2. FIRST DEVELOPED USE DETERMINATION

Based upon historical aerial photographs from the York Region Archives, the property was vacant and non-developed until 2015, after the owner purchased the property in 2014 and had the warehouse first developed likely between 2014 and 2015. The Site is considered as developed as a materials storage yard in the industrial land.

3.1.3. FIRE INSURANCE PLANS

Historic Fire Insurance Plans do not apply to an outdoor storage yard.

3.1.4. CHAIN OF TITLE

A Chain of Title was researched according to the GeoWarehouse Property Report. The Fountain Hills Investments Ltd. was identified as the owner, which the property was transferred to in 2014. The information before the 2014 transaction was not available for the title search, however based on the records review including the aerial photographs and environmental source database, the Site is considered as an industrial land currently, with a materials storage yard most likely first developed between 2014 and 2015, with no PCA's associated with the Site potentially occurred. Prior to 2014, the site property was vacant (also currently vacant with no structures, only outdoor materials yard), and additional Ownership & Title information would not assist in determining potential environmental contaminations or risks.

Table 1 - Chain of Title

Year Period	Property Owner
Jan. 2014 – Current	Fountain Hills Investments Ltd.

3.1.5. PREVIOUS ENVIRONMENTAL REPORTS

There were no previous environmental reports available for review for the property.

3.2.ENVRIONMENTAL SOURCE INFORMATION

King EPCM reviewed the data primarily provided from Environmental Risk Information Services (ERIS) for environmental source information gathering. The information ERIS gathered included historical records for PCA's within the Phase I study area through various federal, provincial, and private resources.

ERIS has conducted a database search and compiled environmental source information from 73 different databases, and a total of 41 reports were identified for Phase I study area. As part of search and compilation of the 73 environmental databases, all requirements of Paragraph 7 of subsection 3 (2) of O. Reg. 153/04 are satisfied.

The Engineer reviewed all the identified activities, and identified no PCA's reported in the records within the Site. There are no off-site PCA's that would negatively impact or influence the Site.

Below are the major categories which returned positive results that required additional review.

- Environmental Registry and Environmental Compliance Approvals (ECA)
- Ontario Regulation 347 Waste Generation Summary
- TSSA Historic Incidents
- Pipeline Incidents
- Scott's Manufacturing Directory
- Ontario Spills

The full ERIS database report can be found in Appendix IV.

3.3.PHYSICAL SETTING SOURCES

3.3.1. AERIAL PHOTOGRAPHS

Historical aerial photographs associated with the Site were found and reviewed from York Region Archives, with the earliest date back to 1999, until 2020 while the Site had been developed. The property is located in an industrial land, next to the Highway 47, Uxbridge, Regional Municipality of Durham.

The aerial photographs indicated that the Site was an undeveloped area before 2014, and potentially was developed between 2014 and 2015, to an open yard for a material storage in the industrial land use. The Site remained the same since development, while with more materials storaged onsite. The adjacent properties on the Phase I study area included a part of industrial complex, west and northwest of the Site, with infrastructures developed throughout 1999 and 2020; the infrastructure southwest of the Site; Highway 47 south and southeast of the Site, with farm land across the highway; and farm land east and northeast of the Site.

Table 2 - Aerial Photograph by Year

Year	Description of Phase I Property	Adjacent Properties within Phase I Study Area
1999	The Site was not developed in an agricultural land. The Site was flat, no onsite infrastructure.	No infrastructures were identified next to the Site. Hwy 47 was visible. Farm land and buildings were visible across Hwy 47.
2005	The Site remained the same.	A small tree area appeared to be on southwest side of the Site.
2007	Soil stockpiled at the east property area was visible.	A boundary for future complex was visible to the west and northwest of the Site.
2009	The Site remained the same.	An infrastructure was built inside the boundary, west and northwest of the Site.
2011	The Site remained the same.	The infrastructure appeared to be an open warehouse, and another building at the east corner of the boundary with an area of infrastructure was visible, northwest of the Site.
2013	The Site remained the same.	More infrastructures inside the boundary of complex were developed, and two infrastructures were built outside the complex, southwest of the Site.
2014	The Site remained the same.	Infrastructures inside the complex boundary were further developed.
2015	The Site was developed into an open warehouse for material storage. The Site was visible as a part of the outdoor storage area to the eastern corner, on the industrail land use. It appearred that some of the soil stockpiled at the east property area was cut and removed to create the current topographic elevations.	More buildings were built inside the industrial complex boundary, and another infrastructure was built outside the complex, southwest of the Site.
2016	The Site remained the same.	The industrial complex appeared to be the same.
2017	The access road from the Site to the adjacent complex boundary appeared to be upgraged. The Site remained the same.	New structures in the complex were built.
2018	More materials were placed in the Site.	An infrastructure east of the complex boundary was developed, north of the Site.
2019	More materials were stored in the Site.	New infrastructure was built southwest of the Site.
2020	The Site remained the same.	The adjacent properties appeared to be the same.

3.3.2. TOPOGRAPHY, HYDROLOGY, GEOLOGY

The topographic information from the Ontario Base Map (OBM) and Durham Topographic Map was reviewed, and can be found in Appendix VI. The Phase I property is located on a relatively flat area with a general elevation of approximately 350 m (amsl), with a big hill east of the property flat area at an elevation of approximately 360 m (amsl). The property is situated at the south edge of a dirt hill, with the Regional Highway 47 at the bottom of the hill, south of the property. It is inferred that the Site surface drainage is according to the storage yard grading, flowing north into roadside ditch. Groundwater flow is expected to follow the regional flow direction from north to south.

The Southern Ontario Physiographic Information from ERIS was reviewed, and the Site is identified to be situated at Kame Moraine physiographic area. The Site has the stratified geomorphologic feature that is created by deposition of glacier meltwater, consisting of sand, gravel and till commonly associated with Moraine. The Moraine material is usually soil and rock left behind a moving glacier, with all sorts of debris, dirt, silt and boulders.

The Surficial Geology of Southern Ontario from ERIS indicated that the Site is situated in the Moraine geological region. The surficial geological materials close to the Site contain clayed silt and sandy silt in the soil.

The Soils Report from ERIS indicated that the Hydrological Soil Group close to the Site belongs to soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. The soil texture of the A horizon is moderately coarse sandy loam.

The Bedrock Geology Report from ERIS was reviewed for geology information. The rock type includes shale, limestone dolostone and siltstone, and the primary strata contain Georgian bay formation, blue mountain formation and billings formation.

3.3.3. FILL MATERIALS

There is a big mound of soil along the eastern property boundary. Based on historic aerial photograph, the eastern soil mound was stockpiled during earthworks development phase of the larger Anderson Industrial Park area, between 2005 – 2007. Aerial photograph in 2007 can clearly identify the earthworks & stockpiling activities of the site property, and thus the origin of the stockpile can be clearly identified.

Based on aerial photographs and site reconnaissance, no presence of any “importation of fill material of unknown quality”.

3.3.4. WATER BODIES & AREAS OF NATURAL SIGNIFICANCE

Based on OBM and MNRF Topographic Map, there is a small pond to the southeast of the property, and a Durham Region Ecologically Significant Forest to the northeast of the property, beyond the 250m study area. There are no Provincial Area of Natural Significance (ANSI) within the Phase I Study Area.

3.3.5. WELL RECORDS

Based on the available historical well records and the database from the Ministry of the Environment, Conservation and Parks (MECP), there is no groundwater well on the Phase I property, while there are eleven groundwater wells in the Phase I study area outside of the property.

The well closet to the property is located to the south of the property across the highway. It was built in 1960 for domestic use, with the depth of approximately 32 m (ID 4602711). The soil conditions described by the well records are as follows:

- 0 – 12.2 m brown clay
- 12.2 – 27.4 m grey medium sand
- 27.4 – 32 m grey fine sand

3.4.SITE OPERATING RECORDS

The site does not have, or historically had, any buildings related to commercial or industrial activities, and therefore does not have any site operating records.

The site operates as a dry material handling yard (clean steel pipes), with main office & warehouse to the west of the site property at 31 Anderson Blvd. The site property notes that since operation in 2014, there have not been any spills or incidents which would cause potential environmental concern.

4. INTERVIEWS

The interview was conducted by Yu Tao (Tony) Wang, Principal Engineer of King EPCM with Mr. Mark Pierce, the supervisor of KTI Limited, as the occupant on the Site. The interview was completed onsite at 11:15am, September 1st, 2021. After cross-referencing the information from the interview against records, it is confirmed that the person interviewed is knowledgeable and reliable regarding the site property.

The following is a summary of the information received from the interview:

Mr. Mark Pierce
Supervisor, KTI Limited

- Mr. Pierce has been working with KTI Limited for 9.5 years, and 5 years at the site property since 2015.
- No spills occurred onsite. Spill kits are available at the edge of warehouse (31 Anderson Blvd, outside of the site property).
- The property is only used as a bare pipe yard.
- Fuelling is completed outside of gate, twice per month, not in the yard.
- The business is as a natural gas supplier for Enbridge, no oil and fuel business is involved.
- There is generally no salting conducted during winter, due to metal pipe rusting prevention.
- A garbage bin is located at the entrance to the property, call for dump when it is full.
- The equipment onsite: 40,000lb 2012 Kalmar forklift, and 2019 roto telehandler Magni

5. SITE RECONNAISSANCE

5.1.GENERAL REQUIREMENTS

The site investigation of the Phase I study area was conducted by Yu Tao (Tony) Wang, Principal Engineer. The investigation occurred in the following circumstances:

- Date: September 01, 2021, from 11:25 am to 11:40am.
- Weather condition: 22°C, overcast and sunny.
- The perimeter of the Site was walked and inspected, then conducted in-depth investigation on the property.
- The site photographs were taken during the site investigation, and can be found in Appendix II.
- Neighbouring industrial / commercial activities were also observed during via walking of surrounding areas.

5.2.SPECIFIC OBSERVATIONS AT PHASE I PROPERTY

5.2.1. SITE DESCRIPTION

The site is considered as an industrial land use. Other observational details include:

- The Site is clear and well maintained, with asphalt crush recycle as gravel layer.
- The Site is used as a bare-bones dry yard, only bare metal or painted metal pipes were stored onsite. It is considered as a lay-down yard or storage yard.
- No containers of fuel or any other liquids were found onsite.
- A garbage bin is located at the entrance to the property, and a forklift and a telehandler shared between several properties by the same tenant (KTI Limited), for 31, 33, 35, and 37 Anderson Blvd
- The Site appeared to be on top of a small hill, north of Highway 47.
- No visible staining, distressed vegetation, foreign importation of fill, or other PCA's

5.2.2. SITE UTILITIES

No utilities were found for the storage yard on the property.

5.2.3. BUILDING DESCRIPTION

No buildings were found for the storage yard on the property.

5.2.4. WELLS AND SUB-SURFACE HISTORY

Based on the available historical well records and the database from the MECP, there is no groundwater well record inside the property.

During the site visit, there were no active monitoring wells observed on the property.

5.2.5. NON-BUILDING INVESTIGATION

There is a big hill east of the property flat area, and the property is located at the south edge of a dirt hill, with the Highway 47 at the bottom of the hill, south of the property. The Site surface drainage is considered from east to south and southwest directions.

In summary, there are no signs of distressed vegetation, no signs of foreign fill of unknown quality, unidentified substances, or other PCA's.

5.2.6. ENHANCED INVESTIGATION PROPERTY

There were no PCA's identified within the Phase I property, as per Column A of Table 2 of Schedule D in O. Reg. 153/04. Therefore, the site is not considered to be an Enhanced Investigation Property as described in Section 32 (1) (b) of O. Reg. 153/04.

5.3.WRITTEN DESCRIPTION OF INVESTIGATION

The site investigation of the Phase I study area was conducted by by Mr. Yu Tao (Tony) Wang, Principal Engineer of King EPCM on September 1st, 2021 to identify, describe, and document specific items of the Site and at surrounding properties within the Phase I study area, in accordance with Schedule D of O. Reg. 153/04.

The site investigation included a perimeter inspection of the Site property, with detailed inspection for specific features within the site and the evidences of PCA's onsite. The site investigation also included the surrounding Phase I study area, to check for stressed vegetation, stained areas, and any visible air emissions / potentially contaminating activities.

In summary of the site investigation, no PCA's have been identified on the property. There are no visible streams within the Phase I study area. A number of PCA's were identified offsite documented in the historical environmental records in the Phase I study area, however did not have direct impacts on the property.

6. REVIEW AND EVALUATION OF INFORMATION

6.1.CURRENT AND PAST USES

A summary description of the current and past uses of the site is as follows:

Table 3 - Current and Past Uses of the Site

Year Period	Property Owner	Land Use	Description of Property
Jan. 2014 – Current	Fountain Hills Investments Ltd.	Industrial	A storage yard for bare metal or painted metal pipes
Before 2014	Not available	Agricultural	Undeveloped

The available recorded history of the Site from aerial photograph review and GeoWarehouse property report review indicated that the Site was an undeveloped agricultural area before 2014. The Site was developed potentially between 2014 and 2015 as a material storage yard in the industrial land use. Fountain Hills Investments Ltd. purchased the property in 2014 and has owned it ever since. No operation occurred onsite.

6.2.POTENTIALLY CONTAMINATING ACTIVITIES

Potentially Contaminating Activity (PCA) as defined in O. Reg. 153/04 is a use or activity defined in Column A of Table 2 of Schedule D, that occurs or has occurred in the Phase I property or the Phase I study area.

After extensive review, it is in the Engineer's opinion that no PCA's have been found in the records historically occurred within the Phase I site property. There are also no PCA's identified during the site reconnaissance for the property.

A total of 6 off-site PCA's have been identified within the Phase I study area, with the majority of industrial / commercial activity to the west, southwest and northwest of the Site.

Table 4 - List of Potentially Contaminating Activities (PCA's) within 250m Phase I Study Area

PCA	Activity Description	Address (Off-Site)	Distance from Site	Elevation Difference	ERIS map site
1	PCA#58 Wastes	34 Anderson Blvd, Uxbridge	184.7 m northwest	5.39 m	7
2	PCA#28 Fuel Tank leak	3900 Concession Road 2, Uxbridge	192.4 m northeast	3.06 m	9
3	PCA#58 Wastes	29 Anderson Blvd, Uxbridge	193.5 m west and southwest	0.08 m	12
4	PCA#58 Wastes	28 Anderson Blvd, Uxbridge	205.6 m west	4.41 m	13
5	PCA#58 Wastes	38 Anderson Blvd, Uxbridge	206.6 m west and northwest	4.42 m	14
6	PCA#58 Wastes, and gas leak	24 Anderson Blvd, Uxbridge	296.9 m west	4.32 m	19

6.3.AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Areas of Potential Environmental Concern (APEC) as defined in O. Reg. 153/04 is the area on, in or under a Phase I property where one or more contaminants are potentially present, as determined through the Phase I environmental site assessment, including through identification of past or present uses on, in or under the Phase I property, and, identification of potentially contaminating activity.

Based on the historical records and the site reconnaissance, no PCA's associated with the Site were identified, therefore no APEC's were addressed for the Site.

6.4.PHASE I CONCEPTUAL SITE MODEL

6.4.1. SITE FEATURES

The Site is approximately 19537 m^2 (4.83 acres) according to the GeoWarehouse Property Reports, and is located at the eastern corner of the current industrial complex which is along the Highway 47 and between the Concession Rd2 and the York/Durham Line, near the western boundary of Durham Region.

The Site is not within the natural significance region and there is no water body on the Site.

Based on the extensive review of historical records, review of environmental source databases, and the site investigation, it was determined that a few PCA's have occurred off-site within the Phase I study area, but did not have direct impacts on the property.

6.4.2. ADJACENT PROPERTIES

The Site is in the industrial land, with industrial structures to the north and northwest, west and southwest, the Highway 47 to the south and southeast, and an agricultural area east and northeast.

A description of the adjacent properties is summarized below:

Table 5 - Adjacent Properties

Adjacent Property	North	East	South	West
Operation or Activity	Industrial	Agricultural	Agricultural	Industrial
Elevation difference / inferred groundwater flow	Upgradient	Upgradient	Downgradient	Downgradient
Visible emissions	No	No	No	No
Visible outdoor storage of hazardous materials	No	No	No	No

6.4.3. STORAGE TANKS

No storage tanks were identified onsite.

6.4.4. ASSESSMENT OF PCA / COC

Based on extensive review of historical records, review of environmental source databases, and the site reconnaissance, it was determined that no PCA's were identified on the Site and therefore no APEC's were addressed with PCA's that require further investigation and assessment. The Contaminates of Concern (COC's) are associated with the APEC's.

6.4.5. UNDERGROUND UTILITIES

No utilities were found onsite for the storage yard.

6.4.6. GEOLOGY / HYDROGEOLOGY

Based on the geology and hydrogeology information records, the Site is situated in the Moraine geological region. The surficial materials contain clayed and sandy silt soil and rock with various debris, sand and boulders. The soil has moderate infiltration rates when completely wetted. The soil in the region can be sandy loam with moderately fine to moderately coarse textures.

There is no well inside the Phase I property. The offsite well closet to the property is located to the south of the property across the highway, which may provide reference information on geology and hydrogeology. The well was built in 1960 for domestic use, with the depth of approximately 32 m (ID 4602711). The soil conditions described by the well records are as follows:

- 0 – 12.2 m brown clay
- 12.2 – 27.4 m grey medium sand
- 27.4 – 32 m grey fine sand

6.4.7. UNCERTAINTY

Within the site records review and site reconnaissance, the Engineer is quite certain that there were no previous PCA's documented for the property, and no PCA's were identified during the site reconnaissance. No uncertainty or absence of information obtained in each of the components of the Phase I ESA could affect the validity of the model.

7. CONCLUSION

7.1.SUMMARY OF PHASE I ESA

It is understood that the Phase I ESA documented herein is being undertaken by the Client for the sole purpose of the intention to purchase of the property. The Phase I ESA report may be submitted to the due-diligence teams for banks and financial institutions.

The Phase I ESA did not encounter evidences of actual or potential environmental concerns based on the investigation for historical information and reconnaissance of current site situation, therefore no further environmental investigation of the Site is considered at this time.

a. RSC & PHASE II ESA

Records of Site Condition (RSC) submissions are not required at this time based on the Client's needs, but would be required in the future for proposed developments. Phase II ESA is not required at this time based on the findings of Phase I ESA.

b. SIGNATURES

The Phase I ESA property is located at 37 Anderson Boulevard, Uxbridge, Ontario, and was conducted by and under the supervision of a Qualified Person (QP) as in accordance with O. Reg. 153/04 and updated by O. Reg. 511/09. This report was based on a date of last work of September 10th, 2021.

King EPCM accepts no responsibility or liability for any changes or potential changes in the condition of the site after the date of last work. In assessing the environmental conditions and history of the Site, King EPCM has relied in good faith on information provided by others, and has assumed the information provided as factual and accurate. King EPCM accepts no responsibility for any deficiency, misstatement, or inaccuracy in this report resulting from the information provided by others, or issues arising from relevant facts that were concealed, withheld, or not fully disclosed. This report pertains, only, to the site specifically described in this report and not to any adjacent or other property.

This report has been prepared for the sole use of Hyson Properties (the Client), or any financial institutions for due-diligence purposes. King EPCM accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than the Client.

Yu Tao (Tony) Wang, P. Eng
Principal Engineer, King EPCM
Qualified Person, Per O. Reg. 153/04

REFERENCES

Ontario Regulation 153/04, Record of Site Condition – Part XV.1 of the Act.

Environmental Database and Reports, Environmental Risk Information Services (ERIS)

Aerial Photographs, York Region Archives

Chain of Titles, GeoWarehouse

Topography and hydrology, Ontario Topography Maps

Topography, Durham Topographic Map

OBM – Ontario Base Map

Well Records and Geology, Ontario Well records

Bedrock Geology Report, ERIS

Southern Ontario Physiographic Information, ERIS

Surficial Geology of Southern Ontario, ERIS

Soil Report, ERIS

APPENDIX I – PHASE I STUDY AREA, CONCEPTUAL SITE MODEL

TOPOGRAPHICAL PLAN OF SURVEY

OF ALL OF

LOTS 5, 6, 7, & 8

PLAN 40M–2336

TOWNSHIP OF UXBRIDGE

REGIONAL MUNICIPALITY OF DURHAM

20 10 0 20m

SCALE = 1:500

DINO R.S. ASTRI, O.L.S.

THE SURVEY WAS COMPLETED ON THE 29TH DAY OF JANUARY, 2013

FEBRUARY 6, 2013
DATE

DINO R. S. ASTRI
ONTARIO LAND SURVEYOR

LEGEND

■	DENOTES FOUND SURVEY MONUMENT
SIB	DENOTES STANDARD IRON BAR
IB	DENOTES IRON BAR
—x—x—	DENOTES FENCING
BPED	DENOTES BELL PEDESTAL
HP	DENOTES HYDRO POLE
GW	DENOTES GUY WIRE
CB	DENOTES CATCH BASIN
HYD	DENOTES HYDRANT
WV	DENOTES WATER VALVE
(729)	DENOTES D.H. BLACK, O.L.S.
(1534)	DENOTES D.E. HUNT, O.L.S.
(P1)	DENOTES PLAN 40M–2336

BEARING NOTE

BEARINGS SHOWN HEREON ARE UTM GRID BEARINGS AND ARE DERIVED FROM OBSERVED REFERENCE POINTS A AND B BY REAL TIME NETWORK OBSERVATIONS, AND ARE REFERRED TO THE CENTRAL MERIDIAN 81°W IN ZONE 17, AND ARE BASED ON NAD 83(CSRS)(1997 EPOCH).

BEARING ROTATION NOTE

FOR BEARING COMPARISONS, A ROTATION OF 1°20'40" COUNTER CLOCKWISE WAS APPLIED TO PLAN (P1) TO CONVERT TO UTM BEARINGS.

ELEVATION NOTE

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE DERIVED USING GPS TECHNOLOGY AND THE CAN–NET VRS NETWORK.

LOCAL TBM IS NORTH CORNER OF HYDRO TRANSFORMER CONCRETE PAD ON LOT 5 HAVING AN ELEVATION OF 346.89.

METRIC

DISTANCES AND ELEVATIONS SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
1863156

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR in accordance with Regulation 1026, Section 29(3).

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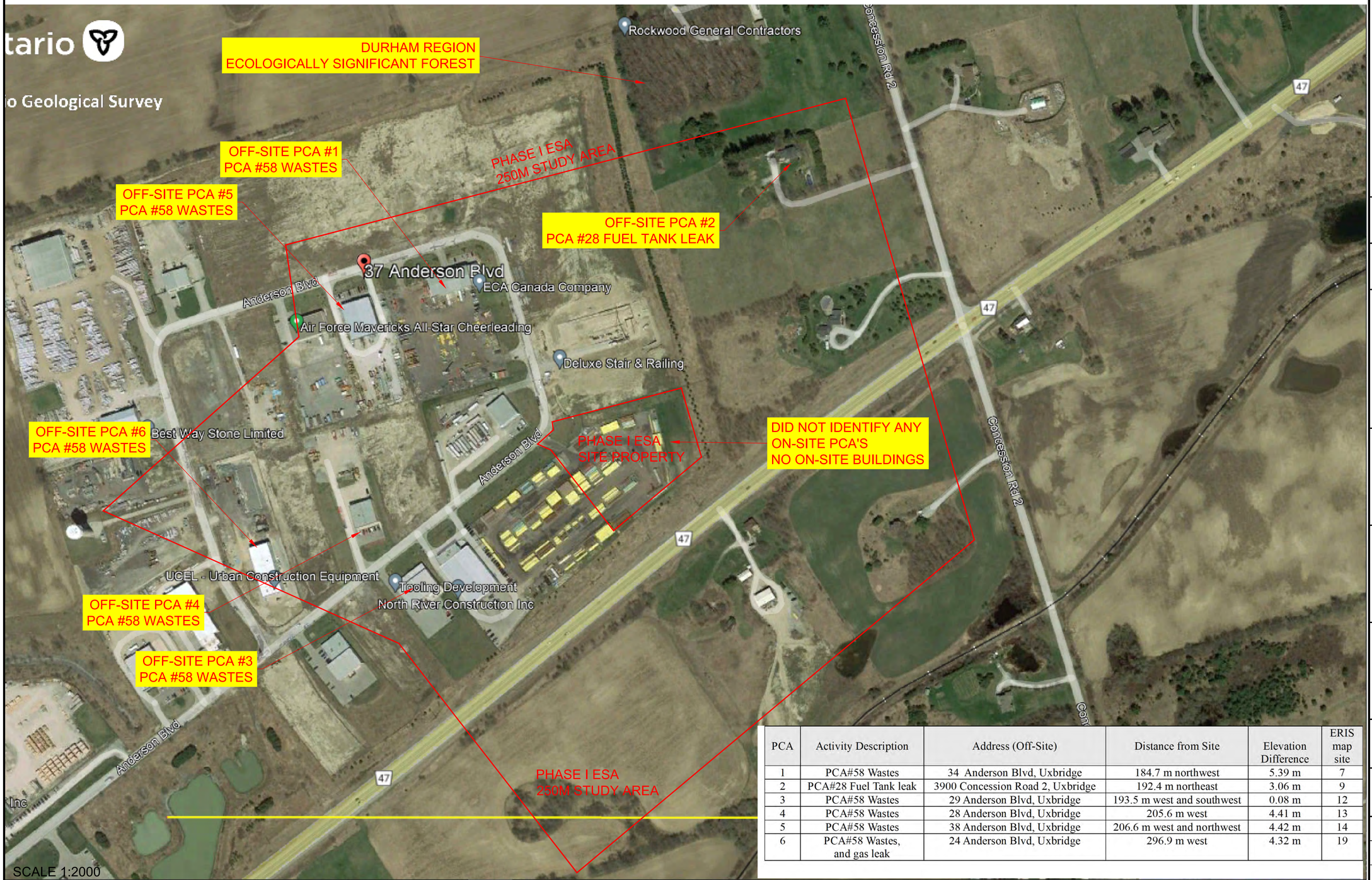
DRAWN BY: LS

PROJECT No. : 13106_TOPO



PCA	Activity Description	Address (Off-Site)	Distance from Site	Elevation Difference	ERIS map site
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KEY MAP
N.T.S.

DRAWN: TW

DATE: SEP 13, 2021

STAMP: LICENSED PROFESSIONAL ENGINEER — Y.T WANG — 100220476 — PROVINCE OF ONTARIO

KING EPCM

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Uxbridge, ON, L9P 1Z7
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647-459-5647
General@KingEPCM.com

CLIENT

HYSON PROPERTIES
42 BALANTRAE ROAD
STOUFFVILLE, ON
L4A 1M5

PROJECT NAME

ENVIRONMENTAL DUE-DILIGENCE PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT LOCATION

37 ANDERSON BLVD, UXBRIDGE, ON

PRINT TITLE

PHASE I STUDY AREA & CONCEPTUAL SITE MODEL

FILE No.

EGR - 1.1

No.	ISSUED FOR:	DATE	DRAW BY	CHECK
V1	ISSUED TO CLIENT AS FINAL	SEP 13, 2021	TW	TW

APPENDIX II – SITE INVESTIGATION PHOTOGRAPHS

PHOTO #1 - KING EPCM
VIEWING NORTHWEST
SITE ENTRANCE ONTO ANDERSON BLVD

PHOTO #2 - KING EPCM
AT DRIVEWAY ENTRANCE, VIEWING NORTHEAST
LOOKING DOWN NORTH ROW OF YARD


PHOTO #3 - KING EPCM
VIEWING EAST, NORTHEAST CORNER
LEFT FENCE IS NORTHERN NEIGHBOUR


PHOTO #4 - KING EPCM
EAST PROPERTY AREA, VIEWING SOUTH
VARIOUS DRY PIPES, NEW

PHOTO #5 - KING EPCM
EAST PROPERTY AREA, VIEWING SOUTH
INSPECTING ASPHALT RECYCLE GRAVEL


PHOTO #6 - KING EPCM
SOUTHEAST CORNER, VIEWING EAST
ASPHALT GRAVEL FROM WINTER SCRAPPING


PHOTO #7 - KING EPCM
NORTHEAST CORNER, VIEWING SOUTH
LEFT EDGE IS REGIONAL HWY 47, TOP OF HILL
REGIONAL HWY 47
BELOW HILL

PHOTO #7 - KING EPCM
SOUTH CORNER, VIEWING NORTHEAST
SOUTH ROW OF YARD AREA


PHOTO #7 - KING EPCM
SOUTH CORNER, VIEWING NORTHEAST
RIGHT SIDE IS REGIONAL HWY 47

PHOTO #7 - KING EPCM
SOUTH CORNER, VIEWING NORTHWEST
APPROXIMATE WEST PROPERTY BOUNDARY


PHOTO #7 - KING EPCM
SOUTH CORNER, VIEWING SOUTHWEST
LEFT SIDE IS REGIONAL HWY 47

APPENDIX III- FIP & ERIS DATABASE REPORTS

DATABASE REPORT

Project Property:	*37 Anderson Blvd Uxbridge* *37 Anderson Blvd* *Uxbridge ON L9P 0C7*
Project No:	
Report Type:	*RSC Report (Rural)*
Order No:	*21082700180*
Requested by:	*King EPCM*
Date Completed:	*September 1, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property: *37 Anderson Blvd Uxbridge*
37 Anderson Blvd Uxbridge ON L9P 0C7

Project No:

Coordinates:

Latitude:	*44.0241047*
Longitude:	*-79.22211319*
UTM Northing:	*4,876,086.66*
UTM Easting:	*642,483.59*
UTM Zone:	*17T*

Elevation: *1,150 FT*
350.46 M

Order Information:

Order No: *21082700180*
Date Requested: *August 27, 2021*
Requested by: *King EPCM*
Report Type: *RSC Report (Rural)*

Historical/Products:

Topographic Map *RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.30 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	7	8
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	23	23
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.30 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	6	6
	Total:		1	40	41

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		37 Anderson Blvd. Uxbridge ON L9P 0C7	WNW/0.0	0.00	19

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 14 con 1 ON ***Well ID:*** 4602711	ESE/53.6	-4.61	19
3	WWIS		lot 14 con 1 ON ***Well ID:*** 1910896	ESE/77.1	-4.61	22
4	EHS		43 Anderson Blvd Uxbridge ON L9P0C7	NW/141.9	3.39	26
5	EHS		30 anderson boulevard Uxbridge ON L9P 0C7	W/142.4	4.39	26
6	EHS		Anderson Blvd Uxbridge ON	WNW/155.3	4.36	26
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON	NW/184.7	5.39	26
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW/184.7	5.39	27
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW/184.7	5.39	27
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW/184.7	5.39	27
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW/184.7	5.39	28
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW/184.7	5.39	28
7	GEN	ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW/184.7	5.39	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	WWIS		lot 15 con 1 ON ***Well ID:*** 1907623	ENE/186.3	-7.31	29
9	SPL	PRIVATE RESIDENCE	3900 CONCESSION RD #2 \ UXBRIDGE FURNACE OIL TANK UXBRIDGE TOWNSHIP ON	NE/192.4	3.06	33
10	WWIS		lot 14 con 1 ON ***Well ID:*** 1906175	E/192.8	-5.69	33
11	EHS		31 Anderson Blvd. Uxbridge ON L9P 0C7	WSW/193.1	0.21	37
12	GEN	Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW/193.5	0.08	37
12	GEN	Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW/193.5	0.08	37
12	GEN	Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW/193.5	0.08	37
12	GEN	Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW/193.5	0.08	38
12	GEN	Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW/193.5	0.08	38
13	GEN	2354326 Ontario Inc.	28 Anderson Blvd Uxbridge ON L9P 0C7	W/205.6	4.41	38
13	GEN	2354326 Ontario Inc.	28 Anderson Blvd Uxbridge ON L9P 0C7	W/205.6	4.41	39
13	GEN	2354326 Ontario Inc.	28 Anderson Blvd Uxbridge ON L9P 0C7	W/205.6	4.41	39
14	GEN	Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW/206.6	4.42	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	GEN	Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW/206.6	4.42	39
14	GEN	Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW/206.6	4.42	40
14	GEN	Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW/206.6	4.42	40
14	EASR	WILSON CONTRACTING LIMITED	38 Anderson BLVD N Uxbridge ON L9P 0C7	WNW/206.6	4.42	40
14	GEN	2058702 Ontario Limited	38 Anderson Blvd. Unit 2 Uxbridge ON L9P 0C7	WNW/206.6	4.42	40
14	GEN	Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW/206.6	4.42	41
15	WWIS		183 HIGHWAY 47 lot 14 con 1 GOODWOOD ON ***Well ID:*** 7235437	SSE/240.2	-12.20	41
16	WWIS		lot 15 con 1 ON ***Well ID:*** 4604477	NE/258.7	-0.56	44
17	EHS		42 Anderson Boulevard Uxbridge ON L9P 0C7	WNW/261.1	3.39	48
18	EHS		45 and 47 Anderson Blvd Uxbridge ON	NNW/281.5	6.21	48
19	EHS		24 Anderson Blvd Uxbridge ON L9P0C7	W/296.9	4.32	48
19	SPL	Enbridge Gas Distribution Inc.	24 Anderson Boulevard Uxbridge ON	W/296.9	4.32	48
19	GEN	UCEL Inc.	24 Anderson Blvd Uxbridge ON L9P0C7	W/296.9	4.32	49

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	PINC	PIPELINE HIT - 1"	24 ANDERSON BLVD,,UXBRIDGE,ON, L9P 0C7,CA ON	W/296.9	4.32	49
19	GEN	UCEL Inc.	24 Anderson Blvd Uxbridge ON L9P0C7	W/296.9	4.32	50

Executive Summary: Summary By Data Source

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Jun 30, 2021 has found that there are 1 EASR site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
WILSON CONTRACTING LIMITED	38 Anderson BLVD N Uxbridge ON L9P 0C7	WNW	206.64	14

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 8 EHS site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	37 Anderson Blvd. Uxbridge ON L9P 0C7	WNW	0.00	1
	43 Anderson Blvd Uxbridge ON L9P0C7	NW	141.91	4
	30 anderson boulevard Uxbridge ON L9P 0C7	W	142.37	5
	Anderson Blvd Uxbridge ON	WNW	155.27	6
	31 Anderson Blvd. Uxbridge ON L9P 0C7	WSW	193.11	11
	42 Anderson Boulevard Uxbridge ON L9P 0C7	WNW	261.14	17
	45 and 47 Anderson Blvd Uxbridge ON	NNW	281.51	18

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	24 Anderson Blvd Uxbridge ON L9P0C7	W	296.93	19

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 23 GEN site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW	184.67	7
ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW	184.67	7
ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW	184.67	7
ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW	184.67	7
ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW	184.67	7
ECA Canada Company	34 Anderson Blvd. Uxbridge ON L9P 0C7	NW	184.67	7
ECA Canada Company	34 Anderson Blvd. Uxbridge ON	NW	184.67	7
Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW	193.55	12
Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW	193.55	12

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW	193.55	12
Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW	193.55	12
Tooling Development Inc.	29 Anderson Boulevard Uxbridge ON L9P 0C7	WSW	193.55	12
2354326 Ontario Inc.	28 Anderson Blvd Uxbridge ON L9P 0C7	W	205.56	13
2354326 Ontario Inc.	28 Anderson Blvd Uxbridge ON L9P 0C7	W	205.56	13
2354326 Ontario Inc.	28 Anderson Blvd Uxbridge ON L9P 0C7	W	205.56	13
Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW	206.64	14
Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW	206.64	14
Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW	206.64	14
Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW	206.64	14
Wilson Contracting Limited	38 Anderson Blvd Uxbridge ON L9P 0C7	WNW	206.64	14

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
2058702 Ontario Limited	38 Anderson Blvd. Unit 2 Uxbridge ON L9P 0C7	WNW	206.64	14
UCEL Inc.	24 Anderson Blvd Uxbridge ON L9P0C7	W	296.93	19
UCEL Inc.	24 Anderson Blvd Uxbridge ON L9P0C7	W	296.93	19

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 1 PINC site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT - 1"	24 ANDERSON BLVD,,UXBRIDGE, ON,L9P 0C7,CA ON	W	296.93	19

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 2 SPL site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PRIVATE RESIDENCE	3900 CONCESSION RD #2 \ UXBRIDGE FURNACE OIL TANK UXBRIDGE TOWNSHIP ON	NE	192.36	9
Enbridge Gas Distribution Inc.	24 Anderson Boulevard Uxbridge ON	W	296.93	19

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 6 WWIS site(s) within approximately 0.30 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 14 con 1 ON	ESE	53.58	2

Well ID: 4602711

lot 14 con 1 ON	ESE	77.06	**3**

Well ID: 1910896

lot 15 con 1 ON	ENE	186.35	**8**

Well ID: 1907623

lot 14 con 1 ON	E	192.77	**10**

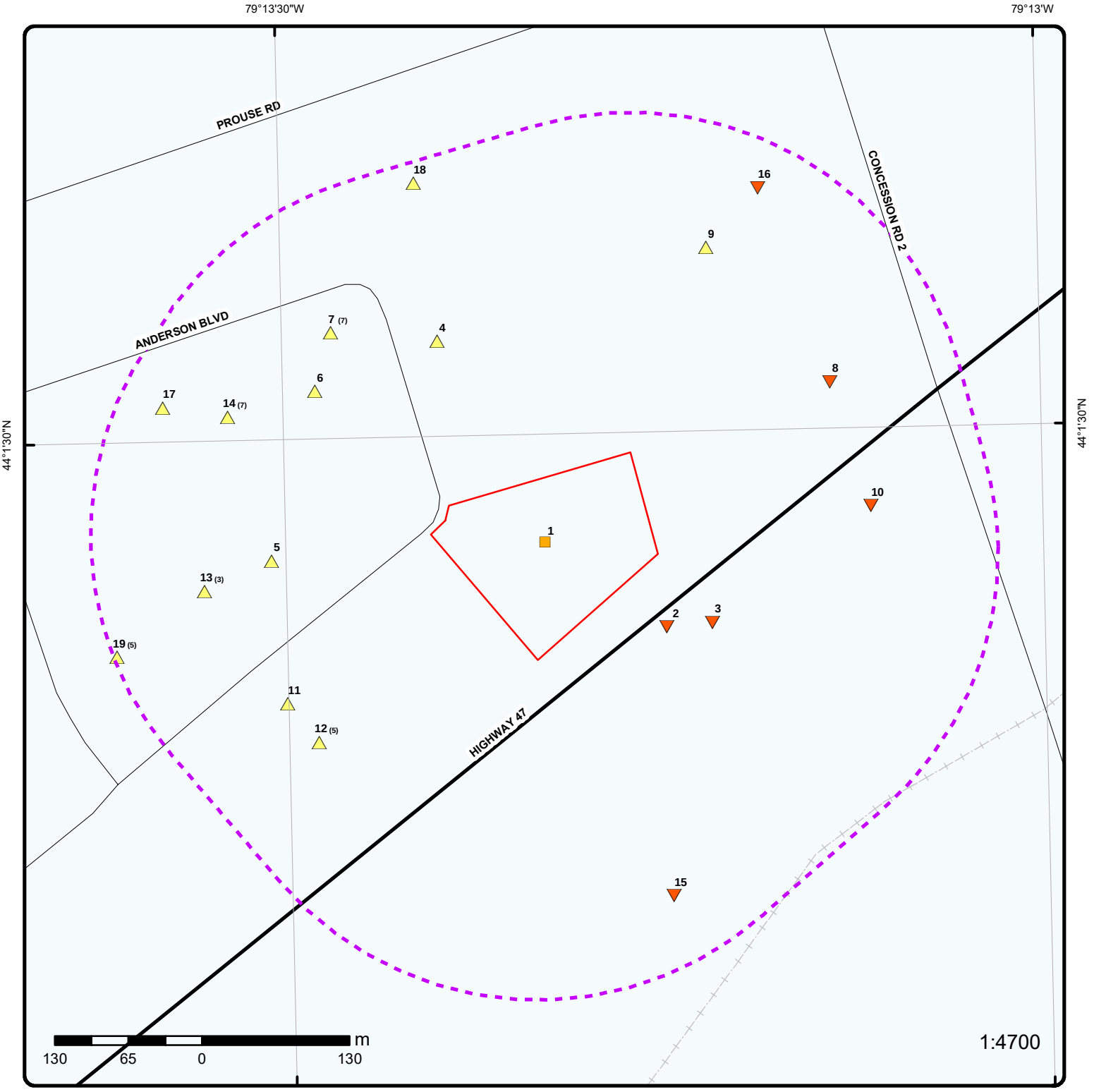
Well ID: 1906175

183 HIGHWAY 47 lot 14 con 1 GOODWOOD ON	SSE	240.16	**15**

Well ID: 7235437

lot 15 con 1 ON	NE	258.74	**16**

Well ID: 4604477



Map: 0.3 Kilometer Radius

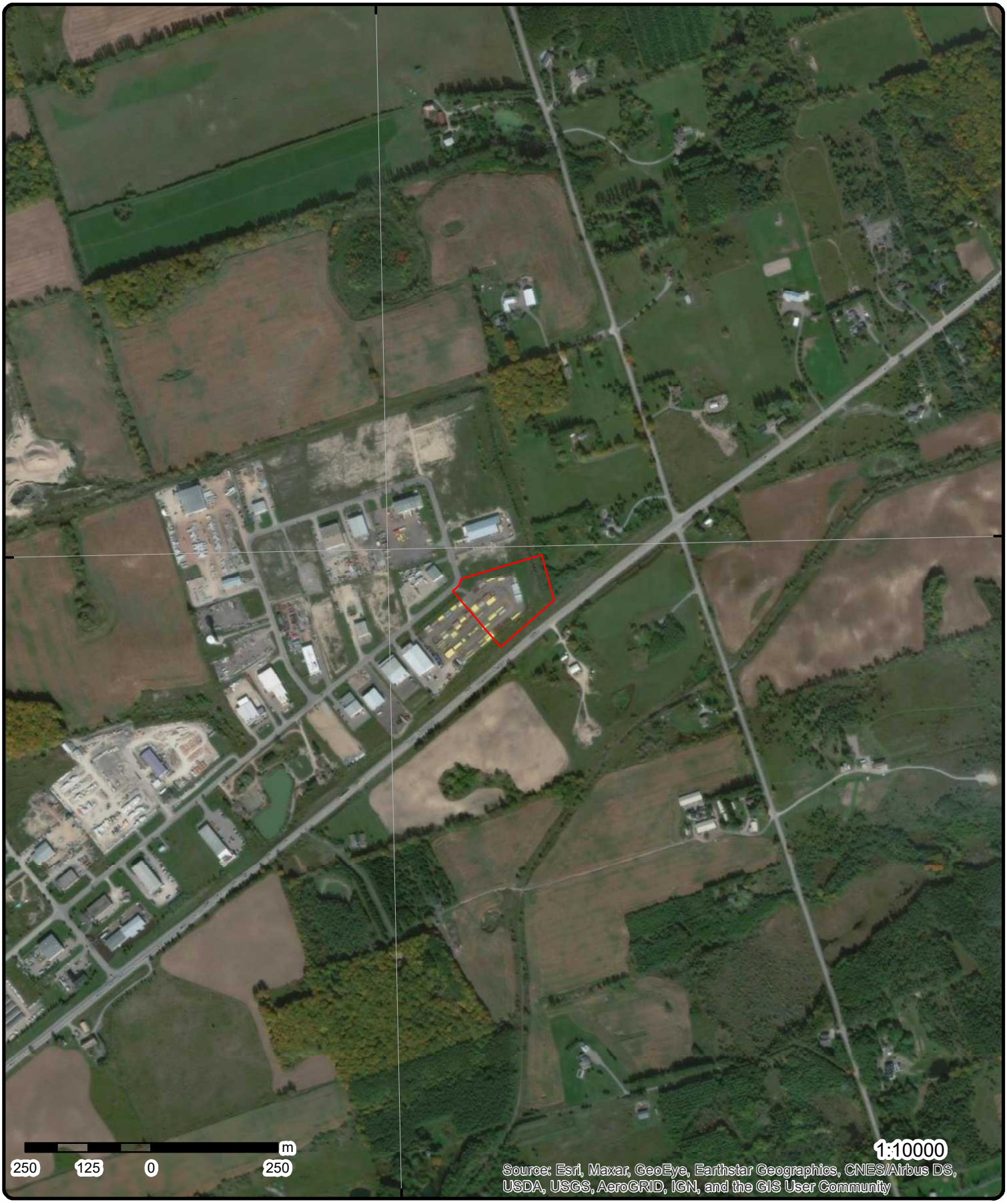
Order Number: 21082700180

Address: 37 Anderson Blvd, Uxbridge, ON

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

79°13'30"W

44°1'30"N



44°1'30"N

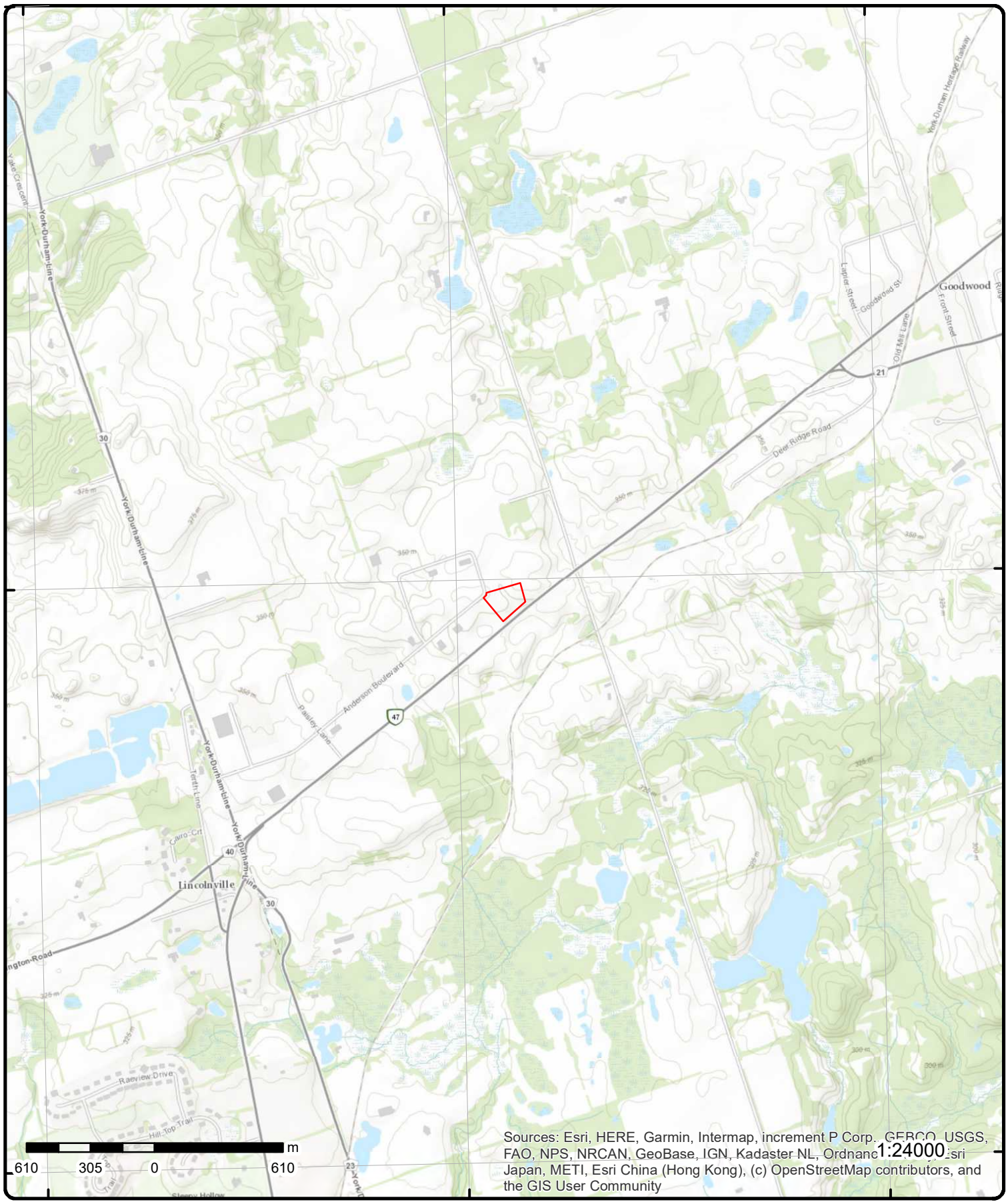
Aerial

Year: 2019

Order Number: 21082700180

Address: 37 Anderson Blvd, Uxbridge, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 21082700180

Address: 37 Anderson Blvd, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WNW/0.0	350.5 / 0.00	37 Anderson Blvd. Uxbridge ON L9P 0C7	EHS

Order No:	21072100102	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Express Report	**Client Prov/State:**	ON
Report Date:	21-JUL-21	**Search Radius (km):**	.25
Date Received:	21-JUL-21	**X:**	-79.2221916
Previous Site Name:		**Y:**	44.0241423
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ESE/53.6	345.8 / -4.61	lot 14 con 1 ON	WWIS

Well ID:	4602711	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/5/1960
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5419
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	DURHAM
Elevation (m):		**Municipality:**	UXBRIDGE TOWNSHIP (UXBRIDGE)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	014
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/460\4602711.pdf

Additional Detail(s) (Map)

Well Completed Date:	1960/10/04
Year Completed:	1960
Depth (m):	32.004
Latitude:	44.0234492318892
Longitude:	-79.2208724138981
Path:	460\4602711.pdf

Bore Hole Information

Bore Hole ID:	10294076	**Elevation:**	340.767150
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	642584.60

Code OB Desc:	Overburden	***North83:***	4876016.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	04-Oct-1960 00:00:00	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931949855
Layer:	2
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931949854
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931949856
Layer:	3
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90.0
Formation End Depth:	105.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964602711
Method Construction Code:	8
Method Construction:	Jetting
Other Method Construction:	

Pipe Information

Pipe ID:	10842646
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930486220
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	95
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933355532
Layer:	1
Slot:	
Screen Top Depth:	95
Screen End Depth:	105
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	994602711
Pump Set At:	
Static Level:	90.0
Final Level After Pumping:	90.0
Recommended Pump Depth:	90.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933764976

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

3 **1 of 1** **ESE/77.1** **345.8 / -4.61** **lot 14 con 1 ON** **WWIS**

Well ID:	1910896	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/28/1990
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	1
Audit No:	85019	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	DURHAM
Elevation (m):		**Municipality:**	UXBRIDGE TOWNSHIP (UXBRIDGE)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	014
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/191\1910896.pdf

Additional Detail(s) (Map)

Well Completed Date:	1990/10/02
Year Completed:	1990
Depth (m):	32.6136
Latitude:	44.0234774569436
Longitude:	-79.2203724670632
Path:	191\1910896.pdf

Bore Hole Information

Bore Hole ID:	10079519	**Elevation:**	341.951110
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	642624.60
Code OB Desc:	Overburden	**North83:**	4876020.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	02-Oct-1990 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931182108
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	42.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931182110
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	87.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931182112
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	94.0
Formation End Depth:	102.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931182109
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	42.0
Formation End Depth:	60.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931182113
Layer: 6
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 08
Mat2 Desc: FINE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 102.0
Formation End Depth: 107.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931182111
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 87.0
Formation End Depth: 94.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961910896
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10628089
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930137424
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 104
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	933332364
Layer:	1
Slot:	010
Screen Top Depth:	104
Screen End Depth:	107
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	991910896
Pump Set At:	
Static Level:	65.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	7.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934135360
Test Type:	Draw Down
Test Duration:	15
Test Level:	90.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934927982
Test Type:	Draw Down
Test Duration:	60
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934665841
Test Type:	Draw Down
Test Duration:	45
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934406476
Test Type:	Draw Down
Test Duration:	30

Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933521524
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102.0
Water Found Depth UOM: ft

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4 | **1 of 1** | **NW/141.9** | **353.8 / 3.39** | **43 Anderson Blvd, Uxbridge ON L9P0C7** | **EHS**

Order No: 20160711106
Status: C
Report Type: Standard Report
Report Date: 18-JUL-16
Date Received: 11-JUL-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.223333
Y: 44.025753

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5 | **1 of 1** | **W/142.4** | **354.8 / 4.39** | **30 anderson boulevard, Uxbridge ON L9P 0C7** | **EHS**

Order No: 20190225097
Status: C
Report Type: Standard Report
Report Date: 04-MAR-19
Date Received: 25-FEB-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.225207
Y: 44.024039

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6 | **1 of 1** | **WNW/155.3** | **354.8 / 4.36** | **Anderson Blvd, Uxbridge ON** | **EHS**

Order No: 20111115017
Status: C
Report Type: Standard Report
Report Date: 11/22/2011
Date Received: 11/15/2011 12:53:59 PM
Previous Site Name:
Lot/Building Size: 2 acres
Additional Info Ordered: Aerial Photos; Topographic Maps

Nearest Intersection:
Municipality:
Client Prov/State: NY
Search Radius (km): 0.25
X: -79.22469
Y: 44.025376

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7 | **1 of 7** | **NW/184.7** | **355.8 / 5.39** | **ECA Canada Company, 34 Anderson Blvd., Uxbridge ON** | **GEN**

Generator No: ON8204627
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS

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

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

Detail(s)

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

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7 ***2 of 7*** ***NW/184.7*** ***355.8 / 5.39*** ***ECA Canada Company*** ***GEN***
34 Anderson Blvd.
Uxbridge ON L9P 0C7

Generator No: ON8204627
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Leanne Pero
Phone No Admin: 905 640 9800 Ext.225

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

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

---

7 ***3 of 7*** ***NW/184.7*** ***355.8 / 5.39*** ***ECA Canada Company*** ***GEN***
34 Anderson Blvd.
Uxbridge ON L9P 0C7

Generator No: ON8204627
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Leanne Pero
Phone No Admin: 905 640 9800 Ext.225

Detail(s)

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

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7 ***4 of 7*** ***NW/184.7*** ***355.8 / 5.39*** ***ECA Canada Company*** ***GEN***
34 Anderson Blvd.
Uxbridge ON L9P 0C7

Generator No: ON8204627
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

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

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

---

7 ***5 of 7*** ***NW/184.7*** ***355.8 / 5.39*** ***ECA Canada Company***
34 Anderson Blvd.
Uxbridge ON L9P 0C7 ***GEN***

Generator No: ON8204627
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Leanne Pero
Phone No Admin: 905 640 9800 Ext.225

Detail(s)

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

Waste Class: 221
Waste Class Desc: LIGHT FUELS

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7 ***6 of 7*** ***NW/184.7*** ***355.8 / 5.39*** ***ECA Canada Company***
34 Anderson Blvd.
Uxbridge ON L9P 0C7 ***GEN***

Generator No: ON8204627
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	7 of 7	NW/184.7	355.8 / 5.39	ECA Canada Company 34 Anderson Blvd. Uxbridge ON L9P 0C7	GEN

Generator No: ON8204627
Status: Registered
Approval Years: As of Apr 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	ENE/186.3	343.1 / -7.31	lot 15 con 1 ON	WWIS

Well ID: 1907623
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/25/1986
Selected Flag: True
Abandonment Rec:
Contractor: 5459
Form Version: 1
Owner:
Street Name:
County: DURHAM
Municipality: UXBRIDGE TOWNSHIP (UXBRIDGE)
Site Info:
Lot: 015
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1907623.pdf

Additional Detail(s) (Map)

Well Completed Date: 1985/07/15
Year Completed: 1985
Depth (m): 39.9288
Latitude: 44.0253651698894
Longitude: -79.2190257543049
Path: 190\1907623.pdf

Bore Hole Information

Bore Hole ID:	10076259	***Elevation:***	345.155944
DP2BR:		***Elevrc:***	
Spatial Status:	Improved	***Zone:***	17
Code OB:	o	***East83:***	642728.00
Code OB Desc:	Overburden	***North83:***	4876232.00
Open Hole:		***Org CS:***	N83
Cluster Kind:		***UTMRC:***	4
Date Completed:	15-Jul-1985 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	
Elevrc Desc:			
Location Source Date:	As of Fall, 2005		
Improvement Location Source:	YPDT_Master_A.mdb from Conservation Authority Moraine Coalition		
Improvement Location Method:	Map		
Source Revision Comment:	Sourced from Hunter and Assoc. by CAMC. Source notes: HUNTER 2001 ORM AVI STUDY; Address Map/OBM (UTM 1982)/Orthophoto (1999); Original units in CAMC's source: UTM NAD83 UTMs and Gnd Elev updated by Hunter Brought into CAMC data on: 02/08/2002. Source ID: 1907623		
Supplier Comment:	Changed from lot/centroid coordinates.		

Overburden and Bedrock Materials Interval

Formation ID:	931166185
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931166187
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931166188
Layer:	4
Color:	6
General Color:	BROWN

Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 100.0
Formation End Depth: 131.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931166186
Layer: 2
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961907623
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10624829
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930134106
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 128
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933330745
Layer: 1
Slot: 010
Screen Top Depth: 128
Screen End Depth: 131
Screen Material:

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 991907623
Pump Set At:
Static Level: 90.0
Final Level After Pumping: 120.0
Recommended Pump Depth: 120.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934673353
Test Type: Draw Down
Test Duration: 45
Test Level: 120.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934124303
Test Type: Draw Down
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934405180
Test Type: Draw Down
Test Duration: 30
Test Level: 110.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934926108
Test Type: Draw Down
Test Duration: 60
Test Level: 120.0
Test Level UOM: ft

Water Details

Water ID: 933518215
Layer: 1
Kind Code: 1
Kind: FRESH

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

Water Found Depth: 100.0
Water Found Depth UOM: ft

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9 | **1 of 1** | **NE/192.4** | **353.5 / 3.06** | **PRIVATE RESIDENCE**
3900 CONCESSION RD #2 \ UXBRIDGE
FURNACE OIL TANK
UXBRIDGE TOWNSHIP ON | **SPL**

Ref No:	221661	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	2/16/2002	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CONTAINER LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	10603
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2/19/2002	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: TSSA:PRIV.RES. 4500L OF FURNACE OIL IN BASEMENT INTO WALLS, SEEPING OUT
Contaminant Qty:

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10 | **1 of 1** | **E/192.8** | **344.8 / -5.69** | **lot 14 con 1**
ON | **WWIS**

Well ID:	1906175	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/18/1981
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2104
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	DURHAM
Elevation (m):		**Municipality:**	UXBRIDGE TOWNSHIP (UXBRIDGE)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	014
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1906175.pdf

Additional Detail(s) (Map)

Well Completed Date:	1981/11/09
Year Completed:	1981
Depth (m):	50.5968
Latitude:	44.0243771483691
Longitude:	-79.2185986584848
Path:	190\1906175.pdf

Bore Hole Information

Bore Hole ID:	10074957	**Elevation:**	345.623260
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	642764.60
Code OB Desc:	Overburden	**North83:**	4876123.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	09-Nov-1981 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931160118
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931160119
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	3.0
Formation End Depth:	160.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931160120
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	160.0
Formation End Depth:	166.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961906175
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10623527
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930132729
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	163
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933330100
Layer:	1
Slot:	020
Screen Top Depth:	158
Screen End Depth:	161
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	991906175
Pump Set At:	
Static Level:	57.0
Final Level After Pumping:	140.0
Recommended Pump Depth:	155.0
Pumping Rate:	12.0
Flowing Rate:	

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 5
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934410659
Test Type: Draw Down
Test Duration: 30
Test Level: 140.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934922212
Test Type: Draw Down
Test Duration: 60
Test Level: 140.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934670530
Test Type: Draw Down
Test Duration: 45
Test Level: 140.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934128682
Test Type: Draw Down
Test Duration: 15
Test Level: 140.0
Test Level UOM: ft

Water Details

Water ID: 933516760
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 160.0
Water Found Depth UOM: ft

Water Details

Water ID: 933516761
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 166.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	1 of 1	WSW/193.1	350.7 / 0.21	31 Anderson Blvd. Uxbridge ON L9P 0C7	EHS

Order No:	21072100103	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Express Report	**Client Prov/State:**	ON
Report Date:	21-JUL-21	**Search Radius (km):**	.25
Date Received:	21-JUL-21	**X:**	-79.2250643
Previous Site Name:		**Y:**	44.0229022
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 5	WSW/193.5	350.5 / 0.08	Tooling Development Inc. 29 Anderson Boulevard Uxbridge ON L9P 0C7	GEN

Generator No:	ON3761817	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No Admin:**	
SIC Code:	331523		
SIC Description:	NON-FERROUS DIE-CASTING FOUNDRIES		

Detail(s)

Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	2 of 5	WSW/193.5	350.5 / 0.08	Tooling Development Inc. 29 Anderson Boulevard Uxbridge ON L9P 0C7	GEN

Generator No:	ON3761817	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No Admin:**	
SIC Code:	331523		
SIC Description:	NON-FERROUS DIE-CASTING FOUNDRIES		

Detail(s)

Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	3 of 5	WSW/193.5	350.5 / 0.08	Tooling Development Inc. 29 Anderson Boulevard Uxbridge ON L9P 0C7	GEN

Generator No:	ON3761817	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Dec 2018	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

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

Waste Class: 253 L
Waste Class Desc: Emulsified oils

---

12 | ***4 of 5*** | ***WSW/193.5*** | ***350.5 / 0.08*** | ***Tooling Development Inc.*** ***29 Anderson Boulevard*** ***Uxbridge ON L9P 0C7*** | ***GEN***

Generator No: ON3761817
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 253 L
Waste Class Desc: Emulsified oils

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

---

12 | ***5 of 5*** | ***WSW/193.5*** | ***350.5 / 0.08*** | ***Tooling Development Inc.*** ***29 Anderson Boulevard*** ***Uxbridge ON L9P 0C7*** | ***GEN***

Generator No: ON3761817
Status: Registered
Approval Years: As of Apr 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 253 L
Waste Class Desc: Emulsified oils

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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13 | ***1 of 3*** | ***W/205.6*** | ***354.9 / 4.41*** | ***2354326 Ontario Inc.*** ***28 Anderson Blvd*** ***Uxbridge ON L9P 0C7*** | ***GEN***

Generator No: ON3471062
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	2 of 3	W/205.6	354.9 / 4.41	2354326 Ontario Inc. 28 Anderson Blvd Uxbridge ON L9P 0C7	GEN

Generator No: ON3471062
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	3 of 3	W/205.6	354.9 / 4.41	2354326 Ontario Inc. 28 Anderson Blvd Uxbridge ON L9P 0C7	GEN

Generator No: ON3471062
Status: Registered
Approval Years: As of Apr 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	1 of 7	WNW/206.6	354.9 / 4.42	Wilson Contracting Limited 38 Anderson Blvd Uxbridge ON L9P 0C7	GEN

Generator No: ON7571453
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 237990
SIC Description: OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

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

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	2 of 7	WNW/206.6	354.9 / 4.42	Wilson Contracting Limited 38 Anderson Blvd Uxbridge ON L9P 0C7	GEN

Generator No: ON7571453
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 237990

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Adrienne Wilson
Phone No Admin: 9056403332 Ext.

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

SIC Description: OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

Detail(s)

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

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14 **3 of 7** **WNW/206.6** **354.9 / 4.42** **Wilson Contracting Limited** **GEN**
38 Anderson Blvd
Uxbridge ON L9P 0C7

Generator No: ON7571453
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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14 **4 of 7** **WNW/206.6** **354.9 / 4.42** **Wilson Contracting Limited** **GEN**
38 Anderson Blvd
Uxbridge ON L9P 0C7

Generator No: ON7571453
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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14 **5 of 7** **WNW/206.6** **354.9 / 4.42** **WILSON CONTRACTING LIMITED** **EASR**
38 Anderson BLVD N
Uxbridge ON L9P 0C7

Approval No: R-004-4111446658
Status: REGISTERED
Date: 2019-07-12
Record Type: EASR
Link Source: MOFA
Project Type: Waste Management System
Full Address:
Approval Type: EASR-Waste Management System
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2164763

SWP Area Name: Toronto
MOE District: York-Durham
Municipality: Uxbridge
Latitude: 44.02527778
Longitude: -79.22555556
Geometry X:
Geometry Y:

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14 **6 of 7** **WNW/206.6** **354.9 / 4.42** **2058702 Ontario Limited** **GEN**
38 Anderson Blvd. Unit 2
Uxbridge ON L9P 0C7

Generator No:	ON2720613	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Apr 2021	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants

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14 | ***7 of 7*** | ***WNW/206.6*** | ***354.9 / 4.42*** | ***Wilson Contracting Limited*** | ***GEN***

38 Anderson Blvd
Uxbridge ON L9P 0C7

Generator No:	ON7571453	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Apr 2021	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants

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15 | ***1 of 1*** | ***SSE/240.2*** | ***338.3 / -12.20*** | ***183 HIGHWAY 47 lot 14 con 1*** | ***WWIS***

GOODWOOD ON

Well ID:	7235437	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	1/14/2015
Sec. Water Use:		**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1413
Casing Material:		**Form Version:**	7
Audit No:	Z194585	**Owner:**	
Tag:	A156520	**Street Name:**	183 HIGHWAY 47
Construction Method:		**County:**	DURHAM
Elevation (m):		**Municipality:**	UXBRIDGE TOWNSHIP (UXBRIDGE)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	014
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7235437.pdf

Additional Detail(s) (Map)

Well Completed Date:	2014/11/27
Year Completed:	2014
Depth (m):	32.9184
Latitude:	44.0213151957222

Longitude: -79.2208563992153
Path: 723\7235437.pdf

Bore Hole Information

Bore Hole ID: 1005280678
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 27-Nov-2014 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 335.293212
Elevrc:
Zone: 17
East83: 642591.00
North83: 4875779.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005489885
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 84.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005489884
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 43.0
Formation End Depth: 84.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005489886
Layer: 4
Color: 6
General Color: BROWN

Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	103.0
Formation End Depth:	108.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005489883
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	32
Most Common Material:	PEA GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	43.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005489895
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005489894
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1005489881
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Screen

Screen ID:	1005489892
Layer:	1
Slot:	10
Screen Top Depth:	103
Screen End Depth:	107
Screen Material:	1
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	1005489882
Pump Set At:	
Static Level:	57.5
Final Level After Pumping:	98.0
Recommended Pump Depth:	95.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1005489890
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	103.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005489888
Diameter:	7.875
Depth From:	20.0
Depth To:	103.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1005489887
Diameter:	10.0
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1005489889
Diameter:	6.0
Depth From:	103.0
Depth To:	107.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

16	***1 of 1***	***NE/258.7***	***349.9 / -0.56***	***lot 15 con 1 ON***	***WWIS***

Well ID:	4604477	***Data Entry Status:***	
Construction Date:		***Data Src:***	1

Primary Water Use:	Domestic	***Date Received:***	7/27/1970
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1413
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	DURHAM
Elevation (m):		***Municipality:***	UXBRIDGE TOWNSHIP (UXBRIDGE)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	015
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/460\4604477.pdf

Additional Detail(s) (Map)

Well Completed Date:	1970/06/16
Year Completed:	1970
Depth (m):	50.292
Latitude:	44.0269163450363
Longitude:	-79.2197704189305
Path:	460\4604477.pdf

Bore Hole Information

Bore Hole ID:	10295811	***Elevation:***	349.433715
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	642664.60
Code OB Desc:	Overburden	***North83:***	4876403.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	16-Jun-1970 00:00:00	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931956905
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	160.0
Formation End Depth:	165.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931956903
Layer: 2
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 62.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931956904
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 62.0
Formation End Depth: 160.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931956902
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964604477
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10844381
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930488091
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 160
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994604477
Pump Set At:
Static Level: 64.0
Final Level After Pumping: 160.0
Recommended Pump Depth: 160.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 24
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934524168
Test Type: Draw Down
Test Duration: 30
Test Level: 160.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934250378
Test Type: Draw Down
Test Duration: 15
Test Level: 104.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934770920
Test Type: Draw Down
Test Duration: 45
Test Level: 160.0
Test Level UOM: ft

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

Draw Down & Recovery

Pump Test Detail ID: 935039640
Test Type: Draw Down
Test Duration: 60
Test Level: 160.0
Test Level UOM: ft

Water Details

Water ID: 933766781
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 160.0
Water Found Depth UOM: ft

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17 | ***1 of 1*** | ***WNW/261.1*** | ***353.8 / 3.39*** | ***42 Anderson Boulevard Uxbridge ON L9P 0C7*** | ***EHS***

Order No: 20181126168
Status: C
Report Type: Standard Report
Report Date: 30-NOV-18
Date Received: 26-NOV-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.226365
Y: 44.025272

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18 | ***1 of 1*** | ***NNW/281.5*** | ***356.7 / 6.21*** | ***45 and 47 Anderson Blvd Uxbridge ON*** | ***EHS***

Order No: 20190904136
Status: C
Report Type: Custom Report
Report Date: 12-SEP-19
Date Received: 04-SEP-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.223558
Y: 44.027011

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19 | ***1 of 5*** | ***W/296.9*** | ***354.8 / 4.32*** | ***24 Anderson Blvd Uxbridge ON L9P0C7*** | ***EHS***

Order No: 20150903076
Status: C
Report Type: Custom Report
Report Date: 04-SEP-15
Date Received: 03-SEP-15
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.226926
Y: 44.023301

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19 | ***2 of 5*** | ***W/296.9*** | ***354.8 / 4.32*** | ***Enbridge Gas Distribution Inc. 24 Anderson Boulevard Uxbridge ON*** | ***SPL***

Ref No: 4471-AWKNCD
Site No: NA

Discharger Report:
Material Group:

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

Incident Dt:	2018/03/05	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	24 Anderson Boulevard
Contaminant Limit 1:		**Site District Office:**	York-Durham
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	1075	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Uxbridge
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2018/03/05	**Site Map Datum:**	
Dt Document Closed:	2018/03/17	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	Commercial Property<UNOFFICIAL>		
Site County/District:	Regional Municipality of Durham		
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB: 1" plastic IP service line damage, made safe		
Contaminant Qty:	0 other - see incident description		

19	***3 of 5***	***W/296.9***	***354.8 / 4.32***	***UCEL Inc.*** ***24 Anderson Blvd*** ***Uxbridge ON L9P0C7***	***GEN***

Generator No:	ON3733390	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jul 2020	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals

19	***4 of 5***	***W/296.9***	***354.8 / 4.32***	***PIPELINE HIT - 1"*** ***24 ANDERSON BLVD,,UXBRIDGE,ON,L9P 0C7, CA*** ***ON***	***PINC***

Incident ID:		**Pipe Material:**	
Incident No:	2253834	**Fuel Category:**	
Incident Reported Dt:	3/5/2018	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	
Customer Acct Name:	PIPELINE HIT - 1"		
Incident Address:	24 ANDERSON BLVD,,UXBRIDGE,ON,L9P 0C7,CA		

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

Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

19	5 of 5	W/296.9	354.8 / 4.32	***UCEL Inc.*** ***24 Anderson Blvd*** ***Uxbridge ON L9P0C7***	***GEN***

Generator No: ON3733390
Status: Registered
Approval Years: As of Apr 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 213 T
Waste Class Desc: Petroleum distillates

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Unplottable Summary

Total: 20 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Lots 13-15, Concession 1	Uxbridge ON	
CA	RACCO IRON & METAL, LTD.-DOMINIC RACCO	HIGHWAY 47, GOODWOOD	GOODWOOD ON	
CA	RACCO IRON & METAL, LTD.	HIGHWAY 47 (GOODWOOD)	GOODWOOD ON	
CA	REGIONAL MUN. OF DURHAM - LOT 14, CONC.1	NORTH SIDE OF HWY#47/E. RR# 30	UXBRIDGE TWP. ON	
DTNK	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	
DTNK	STANLEY W HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	
DTNK	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	
DTNK	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	
DTNK	STANLEY W HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	N0G 1R0
EXP	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA	ON	
EXP	STANLEY W HUNTER	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA	ON	
EXP	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA	ON	
FST	STANLEY W HUNTER	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA	ON	
FST	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA	ON	
FST	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA	ON	
HINC		HIGHWAY 47	GOODWOOD ON	
PRT	STANLEY HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	
PRT	STANLEY W HUNTER	LOT 15 CON 1 GLENELE TWP E G R	DURHAM ON	

WWIS	lot 15	ON
WWIS	HWY. 47	GOODWOOD ON

Unplottable Report

Site:
Lots 13-15, Concession 1 Uxbridge ON

Database: ***CA***

Certificate #:	6757-572S3D
Application Year:	02
Issue Date:	2/20/02
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	The Corporation of the Regional Municipality of Durham
Client Address:	105 Consumers Drive
Client City:	Whitby
Client Postal Code:	L1N 1C4
Project Description:	2 wells sodium hypochlorite disinfection
Contaminants:	
Emission Control:	

Site: ***RACCO IRON & METAL, LTD.-DOMINIC RACCO***
HIGHWAY 47, GOODWOOD GOODWOOD ON

Database: ***CA***

Certificate #:	8-3232-90-
Application Year:	90
Issue Date:	1/4/1991
Approval Type:	Industrial air
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	INST. & OPERATE COPPER RECLAMATION FURNA
Contaminants:	
Emission Control:	

Site: ***RACCO IRON & METAL, LTD.***
HIGHWAY 47 (GOODWOOD) GOODWOOD ON

Database: ***CA***

Certificate #:	8-3303-89-
Application Year:	89
Issue Date:	11/27/1989
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	ALUMINUM SWEAT FURNACE/RECLAIM COPPER
Contaminants:	Arsenic
Emission Control:	Thermal Incineration

Site: ***REGIONAL MUN. OF DURHAM - LOT 14, CONC.1***
NORTH SIDE OF HWY#47/E. RR# 30 UXBRIDGE TWP. ON

Database: ***CA***

Certificate #:	8-3100-92-
Application Year:	92

Issue Date: 8/6/1992
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INST.110KW DIESEL GEN-SET (X# 7-0513-91)
Contaminants: Nitrogen Oxides
Emission Control: Muffler

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9393409
Status: EXPIRED
Instance ID: 384621
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***STANLEY W HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10738670
Status: EXPIRED
Instance ID: 35183
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10738637
Status: EXPIRED
Instance ID: 36082
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:

Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10738653
Status: EXPIRED
Instance ID: 33752
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***STANLEY W HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON N0G 1R0

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9724830
Status: EXPIRED
Instance ID:
Instance Type: FS Facility
Description:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 8/11/2001
Original Source: EXP
Record Date: Up to May 2013

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA ON

Database: ***EXP***

Instance No: 10738628
Status: EXPIRED
Instance ID:
Instance Type:
Instance Creation Dt: 12/27/1990
Instance Install Dt: 12/27/1990
Item:
Item Description: FS Liquid Fuel Tank
Facility Type: FS LIQUID FUEL TANK
Overfill Prot Type: NULL
Creation Date: 7/5/2009 1:20:28 AM
Expired Date:
Manufacturer: NULL
Source: FS Liquid Fuel Tank
Description: UNDERGROUND TANK
Serial No: NULL
Ulc Standard: NULL
Facility Location: LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA

Model: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:
Panam Related: NULL
Panam Venue Nm: NULL

Site: ***STANLEY W HUNTER***

Database:

LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA ON ***EXP***

Instance No:	10738661	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	4/30/1992	***Fuel Type3:***	NULL
Instance Install Dt:	4/30/1992	***Piping Steel:***	
Item:		***Piping Galvanized:***	
Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:20:34 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA		

Site: ***STANLEY HUNTER*** ***Database:***
LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA ON ***EXP***

Instance No:	10738646	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	12/27/1990	***Fuel Type3:***	NULL
Instance Install Dt:	12/27/1990	***Piping Steel:***	
Item:		***Piping Galvanized:***	
Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:20:29 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA		

Site: ***STANLEY W HUNTER*** ***Database:***
LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA ON ***FST***

Instance No:	10738661	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	4/30/1992	***Fuel Type3:***	NULL
Install Year:	1990	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	15000	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA		

Fuel Storage Tank Details

Owner Account Name: STANLEY W HUNTER

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA ON

Database: ***FST***

Instance No:	10738646	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Diesel
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	12/27/1990	***Fuel Type3:***	NULL
Install Year:	1990	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	2200	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA		

Fuel Storage Tank Details

Owner Account Name: STANLEY HUNTER

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA ON

Database: ***FST***

Instance No:	10738628	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	12/27/1990	***Fuel Type3:***	NULL
Install Year:	1990	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	15000	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	LOT 15 CON 1 GLENELE TWP E G R DURHAM N0G 1R0 ON CA		

Fuel Storage Tank Details

Owner Account Name: STANLEY HUNTER

Site:
HIGHWAY 47 GOODWOOD ON

Database: ***HINC***

External File Num:	FS INC 0902-01080
Fuel Occurrence Type:	Liquid Petroleum Spill
Date of Occurrence:	2/27/2009

Fuel Type Involved: Gasoline
Status Desc: Completed - No Action Required
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Retail Fuel Station (FS, SS, Multifunctional)
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Storage and Dispensing
Root Cause:
Reported Details: Esso Service Station
Fuel Category: Liquid Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: York
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Site: ***STANLEY HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON

Database: ***PRT***

Location ID: 4274
Type: private
Expiry Date:
Capacity (L): 17200.00
Licence #: 0001052755

Site: ***STANLEY W HUNTER***
LOT 15 CON 1 GLENELE TWP E G R DURHAM ON

Database: ***PRT***

Location ID: 4274
Type: retail
Expiry Date: 1995-08-31
Capacity (L): 15000
Licence #: 0051900001

Site:
lot 15 ON

Database: ***WWIS***

Well ID: 1909181
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 30058
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/5/1988
Selected Flag: True
Abandonment Rec:
Contractor: 2662
Form Version: 1
Owner:
Street Name:
County: DURHAM
Municipality: UXBRIDGE TOWNSHIP (UXBRIDGE)
Site Info:
Lot: 015
Concession:
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10077808
Elevation:

DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 17-May-1988 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931173645
Layer: 11
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 84
Mat2 Desc: SILTY
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 95.0
Formation End Depth: 132.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931173641
Layer: 7
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 45.0
Formation End Depth: 69.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931173642
Layer: 8
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 69.0
Formation End Depth: 78.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931173636
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173635
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173638
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173640
Layer:	6
Color:	
General Color:	
Mat1:	29
Most Common Material:	FINE GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	39.0
Formation End Depth:	45.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173639
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	25.0
Formation End Depth:	39.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173637
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173644
Layer:	10
Color:	
General Color:	
Mat1:	29
Most Common Material:	FINE GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	84.0
Formation End Depth:	95.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931173646
Layer:	12
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	60
Mat2 Desc:	CEMENTED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	132.0

Formation End Depth: 178.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931173643
Layer: 9
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 78.0
Formation End Depth: 84.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933120475
Layer: 3
Plug From: 20
Plug To: 316
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933120473
Layer: 1
Plug From: 0
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933120474
Layer: 2
Plug From: 15
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961909181
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10626378
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930135685
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 312
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933331449
Layer: 1
Slot: 020
Screen Top Depth: 312
Screen End Depth: 316
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 991909181
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth: 305.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933519815
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 320.0
Water Found Depth UOM: ft

Water Details

Water ID: 933519814
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 310.0
Water Found Depth UOM: ft

Site:
HWY. 47 GOODWOOD ON

Database: ***WWIS***

Well ID: 7049044
Construction Date:
Primary Water Use:
Sec. Water Use:

Data Entry Status:
Data Src:
Date Received: 9/10/2007
Selected Flag: True

Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z67668
Tag: A051051
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Abandonment Rec: Yes
Contractor: 5459
Form Version: 4
Owner:
Street Name: HWY. 47
County: DURHAM
Municipality: UXBRIDGE TOWN
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 23049044
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02-Aug-2007 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 1000017048
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth:
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1000017050
Layer: 2
Plug From: 125
Plug To: 121
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1000017051
Layer: 3

Plug From: 121
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1000017049
Layer: 1
Plug From: 130
Plug To: 125
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1000017054
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1000017046
Casing No: 0
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 1000017053
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1000017047
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1000017052
Layer: 1
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Apr 2021

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994- Jul 31, 2021

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: May 31, 2021

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- Jun 30, 2021

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994- Jul 31, 2021

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Jun 30, 2021

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Jun 30, 2021

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

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

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Apr 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Apr 30, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Dec 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Mar 31, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jul 31, 2021

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Jun 30, 2021

Pipeline Incidents: Provincial PINC

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

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994- Jul 31, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2018

Record of Site Condition: Provincial RSC

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

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

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011- Jun 30, 2021

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2021

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.

GeoWarehouse Property Report Generated on September 01, 2021

37 ANDERSON BOULEVARD BLVD UXBRIDGE

PIN 268300127

Report title

This report was prepared by:

ANGELA SHI
Broker
Cell: 6479865096

angela.yqshi@gmail.com
www.angelashi.ca

Homelife New World Realty Inc.
201 Consumers Rd, Unit 205
Toronto, Ontario, Canada, M2J 4G8
Office: 4164901177
Fax: 4164901928

Property Details

GeoWarehouse Address:

37 ANDERSON BOULEVARD BLVD
UXBRIDGE
L9P0C7

PIN:	268300127
Land Registry Office:	DURHAM (40)
Land Registry Status:	Active
Registration Type:	Certified (Land Titles)
Ownership Type:	Freehold

Ownership

Owner Name:

FOUNTAIN HILLS INVESTMENTS LTD.

Legal Description

LOT 8, PLAN 40M2336, S/T EASEMENT IN GROSS UNTIL 2026 12 08 AS IN DR568402 SUBJECT TO AN EASEMENT FOR ENTRY AS IN DR1238811 TOWNSHIP OF UXBRIDGE

Lot Size

Area:	210294.31 sq.ft
Perimeter:	1863.52 ft.
Measurements:	295.8ft. x 501.86ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 12.22ft. x 19.21ft. x 115.1ft. x 341.15ft. x 259.11ft. x

Lot Measurement Accuracy : LOW

These lot boundaries may have been adjusted to fit within the overall parcel fabric and should only be considered to be estimates.

Assessment Information

ARN

182901000200524

Phased-In Value	Assessed Value
$989,000	$989,000
2021 Tax Year	Based on Jan 1, 2016

Frontage:	153.67 ft.	Description:	Vacant industrial land
Depth:	N/A	Property Code:	106

Sales History

Sale Date	Sale Amount	Type	Party To	Notes
Jan 09, 2014	$1,853,000	Transfer	FOUNTAIN HILLS INVESTMENTS LTD.;	See Notes 1

Notes :

1. The following Pins were transferred together with the subject Property

268300125, 268300126, 268300124

Terms and Conditions

Reports Not the Official Record. Reports, other than the Parcel Register, obtained through Geowarehouse are not the official government record and will not necessarily reflect the current status of interests in land.

Currency of Information. Data contained in the Geowarehouse reports are not maintained real-time. Data contained in reports, other than the Parcel Register, may be out of date ten business days or more from data contained in POLARIS.

Coverage. Data, information and other products and services accessed through the Land Registry Information Services are limited to land registry offices in the areas identified on the coverage map.

Completeness of the Sales History Report. Some Sales History Reports may be incomplete due to the amount of data collected during POLARIS title automation. Subject properties may also show nominal consideration or sales price (e.g. $2) in cases such as transfers between spouses or in tax exempt transfers.

Demographic Information. Demographic Information is obtained from Environics Analytics. Environics Analytics acquires and distributes Statistics Canada files in accordance with the Government of Canada's Open Data Policy. No information on any individual or household was made a vailable to Environics Analytics by Statistics Canada. PRIZM and selected PRIZMC2 nicknames are registered trademarks of The Nielsen Company (U.S.) and are used with permission.

The Property Information Services, reports and information are provided "as is" and your use is subject to the applicable Legal Terms and Conditions. Some information obtained from the Land Registry Information Services is not the official government record and will not reflect the current status of interests in land. Use of personal information contained herein shall relate directly to the purpose for which the data appears in land registry records and is subject to all applicable privacy legislation in respect of personal information. Such information shall not be used for marketing to a named individual.

Parcel Mapping shown on the site was compiled using plans and documents recorded in the Land Registry System and has been prepared for property indexing purposes only. It is not a Plan of Survey. For actual dimensions of property boundaries, see recorded plans and documents.

APPENDIX IV – LOCAL MONITORING WELL RECORDS

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31D3E

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1907623 | MUNICIP TQ012 | CON CON | 01

COUNTY OR DISTRICT: DURHAM
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] UXBRIDGE
CON., BLOCK, TRACT, SURVEY, ETC.: 1
LOT: 15
DATE COMPLETED: DAY ____ MO 7 YR 85
[redacted] RR#3 STOUFFVILLE

21 | ELEVATION | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sand		fine	0	25
"	"		med	25	37
"	"		fine	37	100
"	"		med	100	131

RP 40R5360 pt1

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
100	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1.88	0	128
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	3 FEET

MATERIAL AND TYPE: 55
DEPTH TO TOP OF SCREEN: 128 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

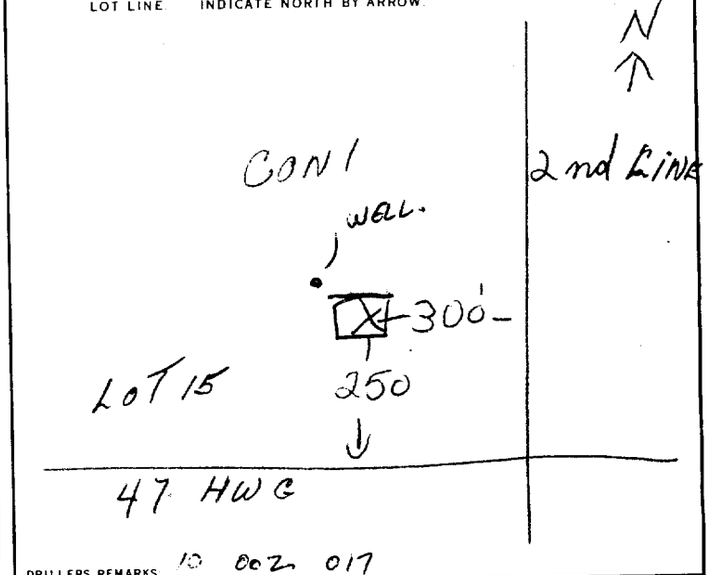
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 15 GPM
DURATION OF PUMPING: 1 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
90 FEET	120 FEET		100 FEET	110 FEET	120 FEET	120 FEET

IF FLOWING, GIVE RATE: ____ GPM
PUMP INTAKE SET AT: 120 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 120 FEET
RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 10 002 017

FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; ☐ OTHER; 9 ☐ NOT USED

METHOD OF DRILLING: 1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Wilson water Wells
LICENCE NUMBER: 5459
ADDRESS: RR#4 Stouffville
NAME OF DRILLER OR BORER: Norm Rennie
LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: William Wilson
SUBMISSION DATE: DAY 20 MO. 3 YR. 86

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 5459 | DATE RECEIVED 25 0386
DATE OF INSPECTION | INSPECTOR
REMARKS

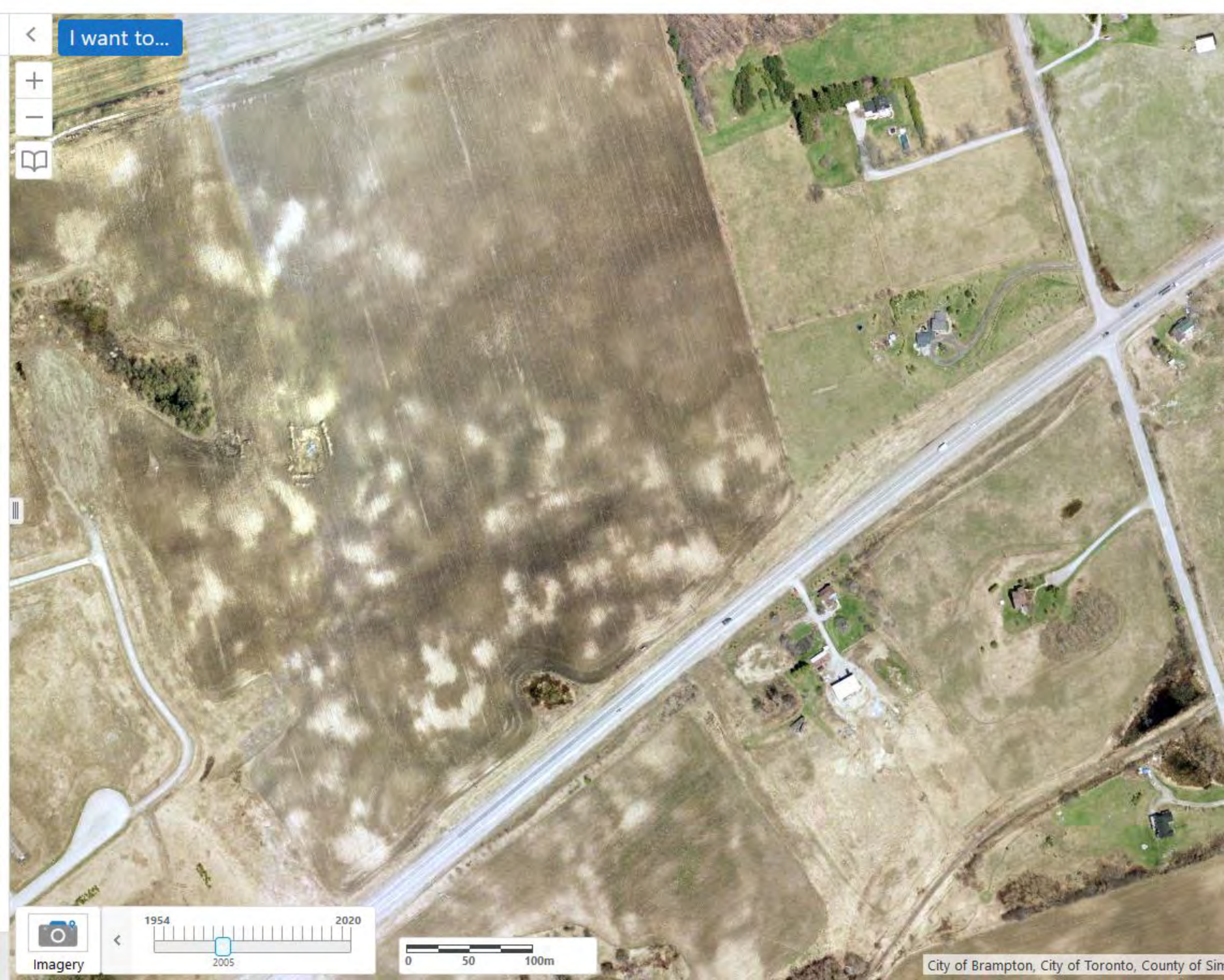
CSS.S8

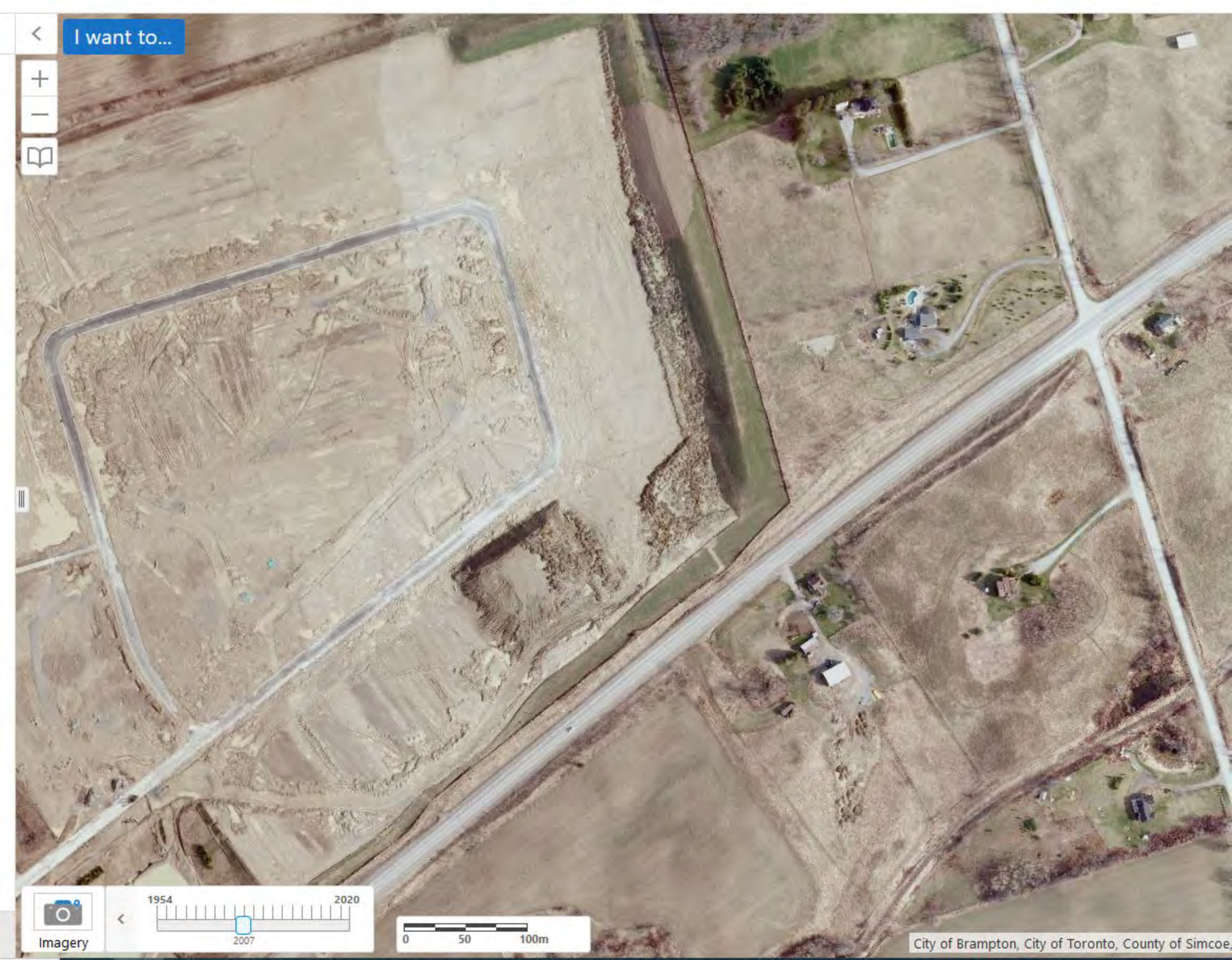
FORM NO. 0506—4—77 FORM 7

MINISTRY OF THE ENVIRONMENT COPY

APPENDIX V – AERIAL PHOTOGRAPHS / HISTORIC PHOTOGRAPHS


I want to...
Imagery
1954
2020
1999
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, Region


I want to...
1954
2020
2005
Imagery
0
50
100m
City of Brampton, City of Toronto, County of Sim


I want to...
Imagery
1954
2020
2007
0
50
100m
City of Brampton, City of Toronto, County of Simcoe,


I want to...
Imagery
1954
2020
2009
0
50
100m
City of Brampton, City of Toronto, County of Simcoe


I want to...
1954
2020
2011
Imagery
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, R


I want to...
1954
2020
2013
Imagery
0
50
100m
City of Brampton, City of Toronto, County of


I want to...
Imagery
1954
2020
2014
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, Region of Dur


I want to...
1954
2020
2015
Imagery
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, F


I want to...
Imagery
1954
2020
2016
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, Regi


I want to...
Imagery
1954
2020
2017
0
50
100m
City of Brampton, City of Toronto, County of Simcoe,


I want to...
1954
2020
2018
Imagery
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, R

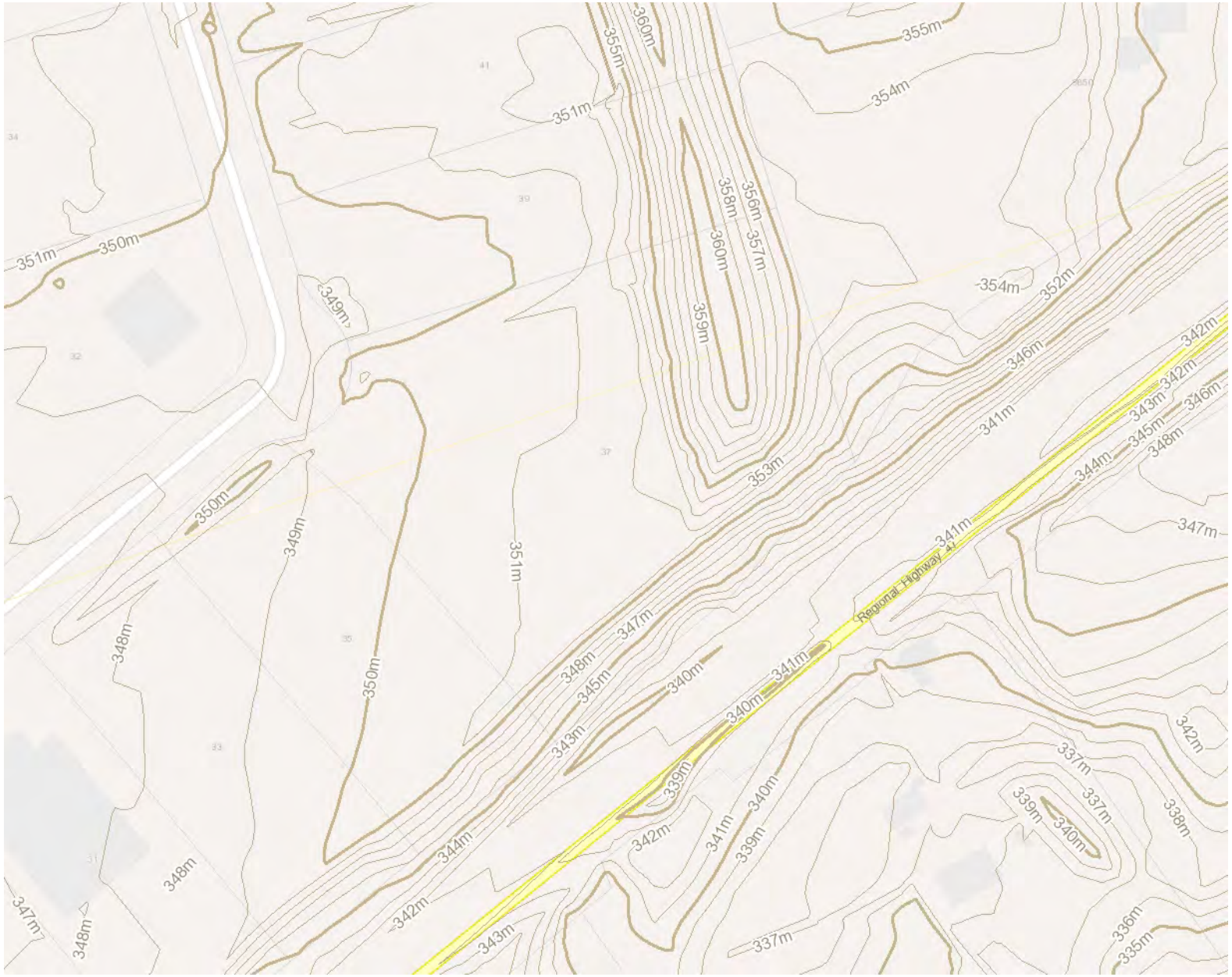

I want to...
1954
2020
2019
Imagery
0
50
100m
City of Brampton, City of Toronto, County of Simcoe, Region of


I want to...
Imagery
1954
2020
2020
0
50
100m
City of Brampton, City of Toronto, County of

APPENDIX VI – ONTARIO BASE MAP (OBM) & MNRF MAP

yourDurham

37 Anderson Blvd, Uxbridge



Contours
- Contour (1m)
- Contour (5m)

Education

Child care

Government Offices
- Federal
- Provincial
- Regional
- Municipal
- Other

Senior Residences

Community Facility

Health-care Facility

Hospital

Library

Place of Worship

Transportation Nodes

Recreation Parks

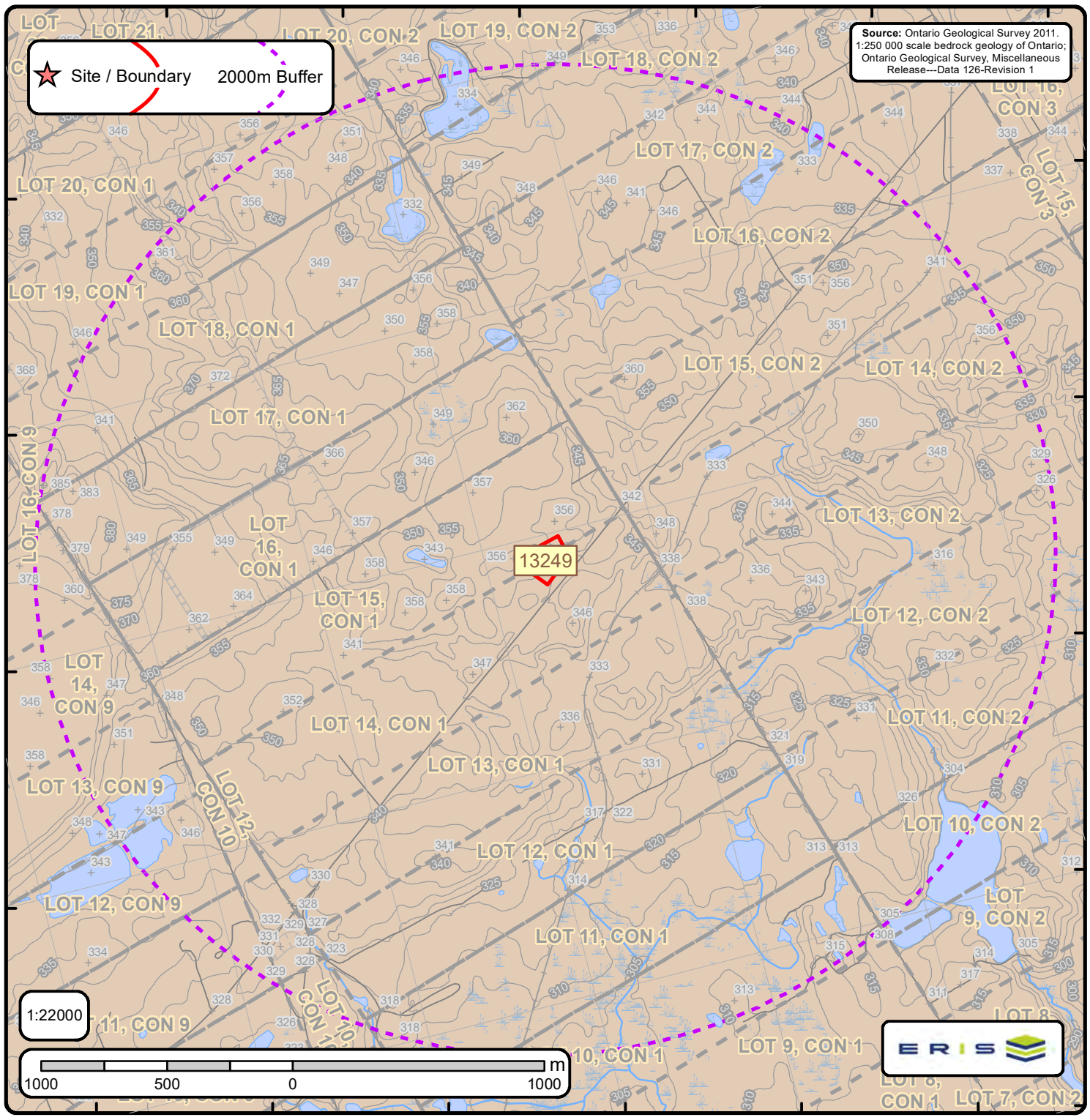
Regional Trails
- Community Trail
- Conservation Area
- Oak Ridges Trail
- Trans Canada Trail
- Waterfront Trail

Parks and Conservation Area

0 50.74 101.5 Meters

1: 1,998

N W E S



Bedrock Geology of Ontario

Order No. 21082700180

Spot Height
Roads
Contour Lines
Streams
Railroads
Lots
Pit or Quarry
Airports
Waterbody
Wetlands

Bedrock Geology Lines

- CONTACT, GEOPHYSICAL, TREND, INTERPRETED
- CONTACT, SHARP, TREND, INTERPRETED
- CONTACT, SHARP, TREND, OBSERVED
- FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- NEATLINE
- ONTARIO BORDER
- Marble, chert, iron formation, minor metavolcanic rocks

Dikes

- Abitibi mafic dike
- Biscotasing mafic dike
- Empey Lake mafic dike
- Felsic to intermediate intrusive rocks
- Fort Frances mafic dike
- Frontenac mafic dike
- Grenville mafic dike
- Logan and Nipigon mafic sills
- Mackenzie mafic dike
- Mafic dikes of uncertain age
- Mafic sills and dikes
- Marathon mafic dike
- Marathon, Kapuskasing or Biscotasing mafic dike
- Matachewan mafic dike
- Mine Centre mafic dike
- Molson mafic dike
- North Channel mafic dike
- Pickle Crow mafic dike (Molson swarm) normal
- Pickle Crow mafic dike (Molson swarm) reverse
- Rideau mafic dike
- Sudbury mafic dike
- Ultramafic, gabbroic and granophyric intrusions
- Unsubdivided mafic dike
- Unsubdivided mafic dike (Keweenawan age)
- unknown

C Lines

- FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION
- FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION

Kimberlite

Bedrock Geology Report

Bedrock Geology units found within 2000 m of

37 Anderson Blvd

Order No.
21082700180

ID: 13249 | **Unit Name:** |

Type (All): 55b | **Type (Primary):** 55b | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Strata (Primary):** Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**

Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126 Revision1

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

```
Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)
```

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

```
PRECAMBRIAN (0.542 Ga to <3.85 Ga)
```

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

```
ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)
```

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

```
MESOARCHEAN (2.8 Ga to 3.2 Ga)                MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)         EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)                 NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)           PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)   MESOZOIC (65.5 Ma to 251.0 Ma)
```

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

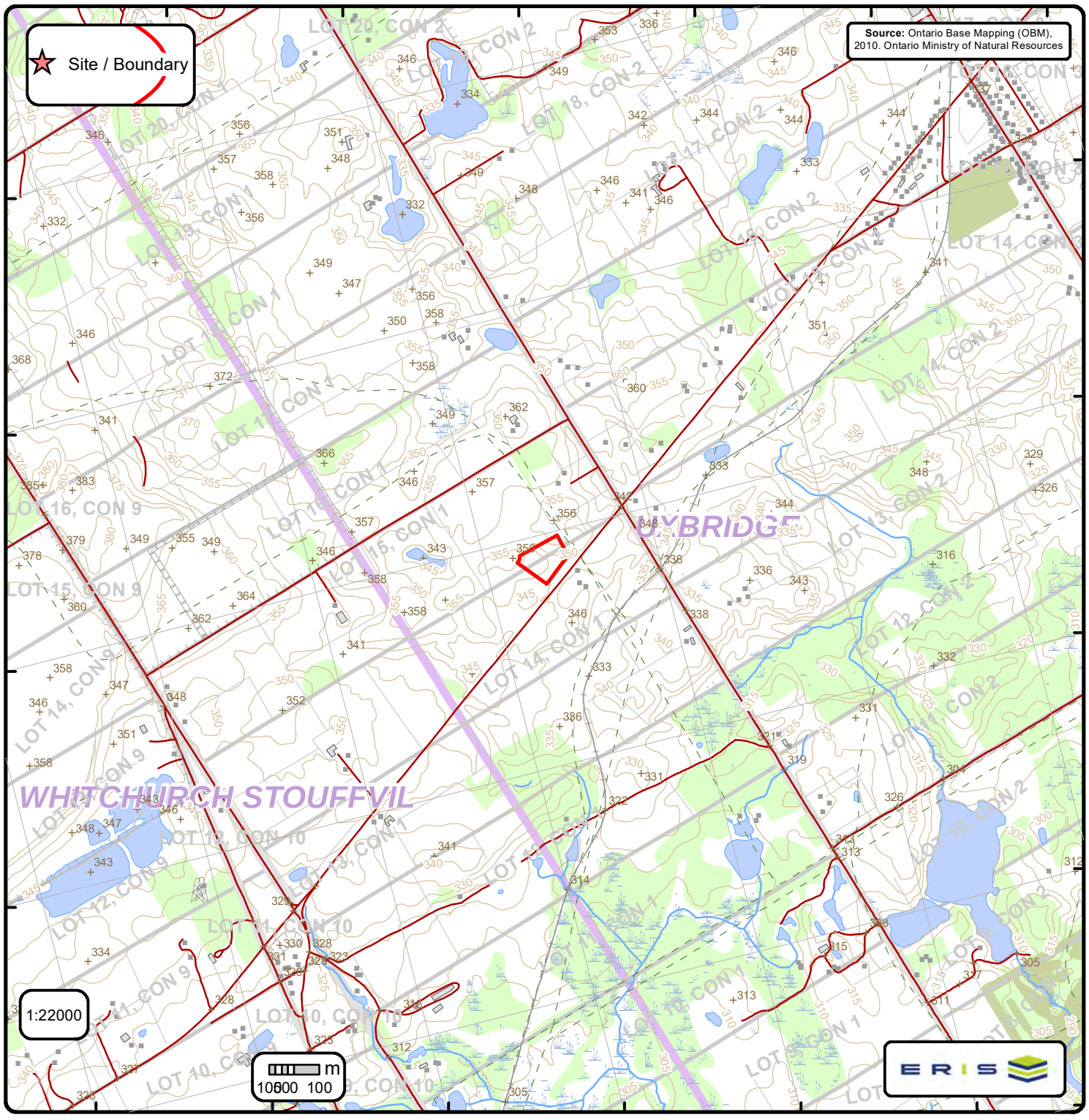
```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

```
LOWER ORDOVICIAN                    UPPER SILURIAN
MIDDLE ORDOVICIAN                   LOWER DEVONIAN
UPPER ORDOVICIAN                    MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN           UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN    LOWER CRETACEOUS AND MIDDLE JURASSIC
```

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

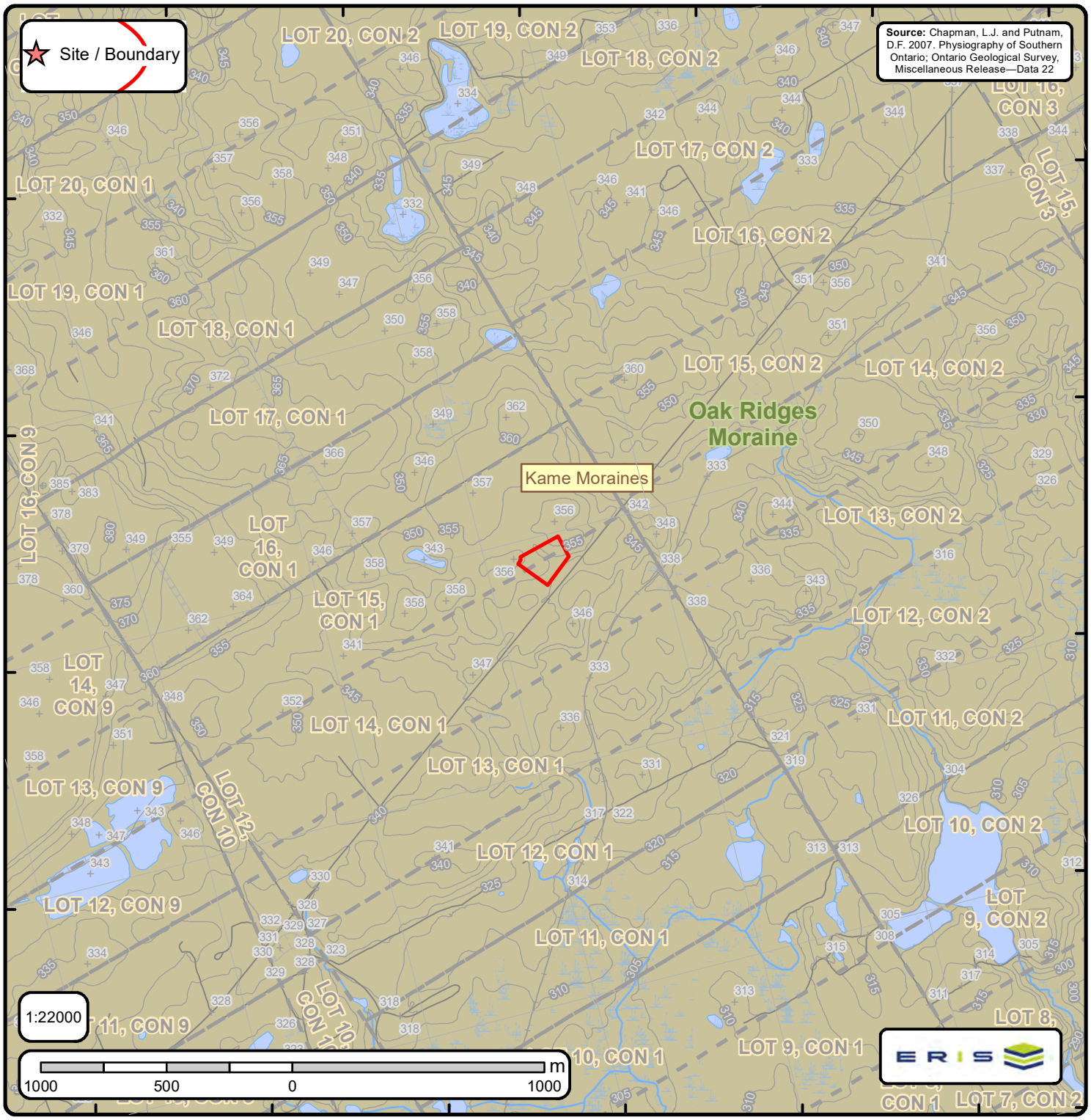
```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```



Ontario Base Mapping (OBM) Data

Order No. 21082700180

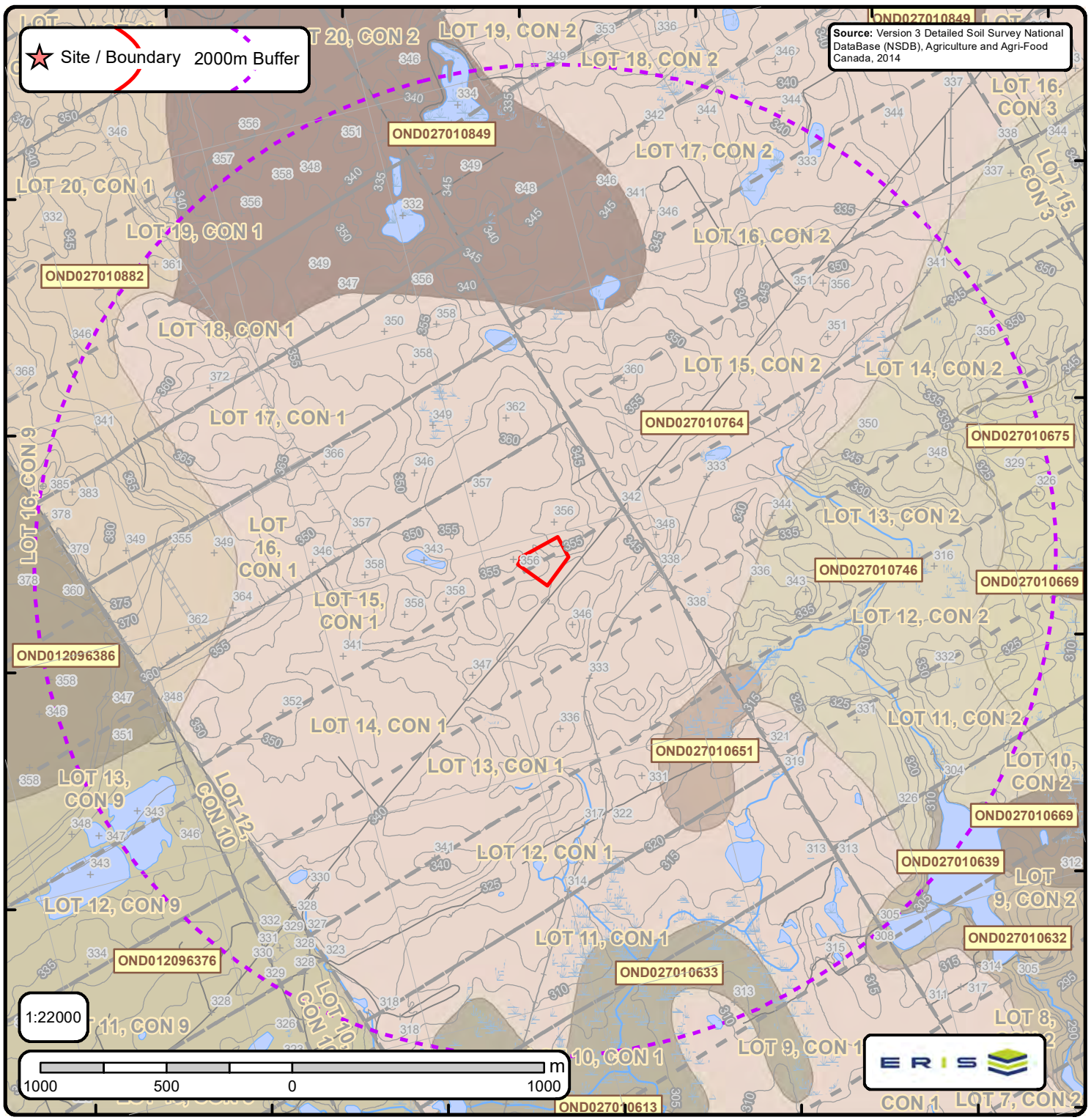
Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	



Physiography of Southern Ontario

Order No. 21082700180

- Spot Height
- Roads
- Railroads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody
- Boulder Pavement
- Dissected Terrain
- Mud Flow Scars
- Sand Dunes
- escarpment
- shorecliff
- shorecliff (weakly developed)
- Physiography Regions
- Bare Rock Ridges And Shallow Till
- Beaches
- Bevelled Till Plains
- Clay Plains
- Drumlins
- Escarpments
- Eskers
- Kame Moraines
- Limestone Plains
- Peat And Muck
- Sand Plains
- Shale Plains
- Shallow Till And Rock Ridges
- Spillways
- Till Moraines
- Till Plains (Drumlinized)
- Till Plains (Undrumlinized)



Detailed Soil Survey (ON Soils)

Order No. 21082700180

- Spot Height
- Railroads
- Roads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody

Soils Report

Soil Map Units Found within 2000 m of
37 Anderson Blvd

Order No.
21082700180

Soil ID: OND012096376
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND012096376
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND012096386
Component No : 1 | **Components(%)** : 60 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : coarse sand and loamy sand | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND012096386
Component No : 2 | **Components(%)** : 40 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 0.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : coarse sand and loamy sand | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010632
Component No : 2 | **Components(%)** : 50 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010632
Component No : 1 | **Components(%)** : 50 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010849
Component No : 1 | **Components(%)** : 60 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 22.5 | **Slop Length(m)** : -9 | **Drainage** : Rapidly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010849
Component No : 2 | **Components(%)** : 40 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Rapidly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010633
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZMK~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010669
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZMK~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010639
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZZZ~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : -- | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND027010675
Component No : 2 | **Components(%)** : 40 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Rapidly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010675
Component No : 1 | **Components(%)** : 60 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 22.5 | **Slop Length(m)** : -9 | **Drainage** : Rapidly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010746
Component No : 1 | **Components(%)** : 50 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010746
Component No : 2 | **Components(%)** : 50 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010651
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZMK~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010882
Component No : 1 | **Components(%)** : 60 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 22.5 | **Slop Length(m)** : -9 | **Drainage** : Rapidly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : coarse sand and loamy sand | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

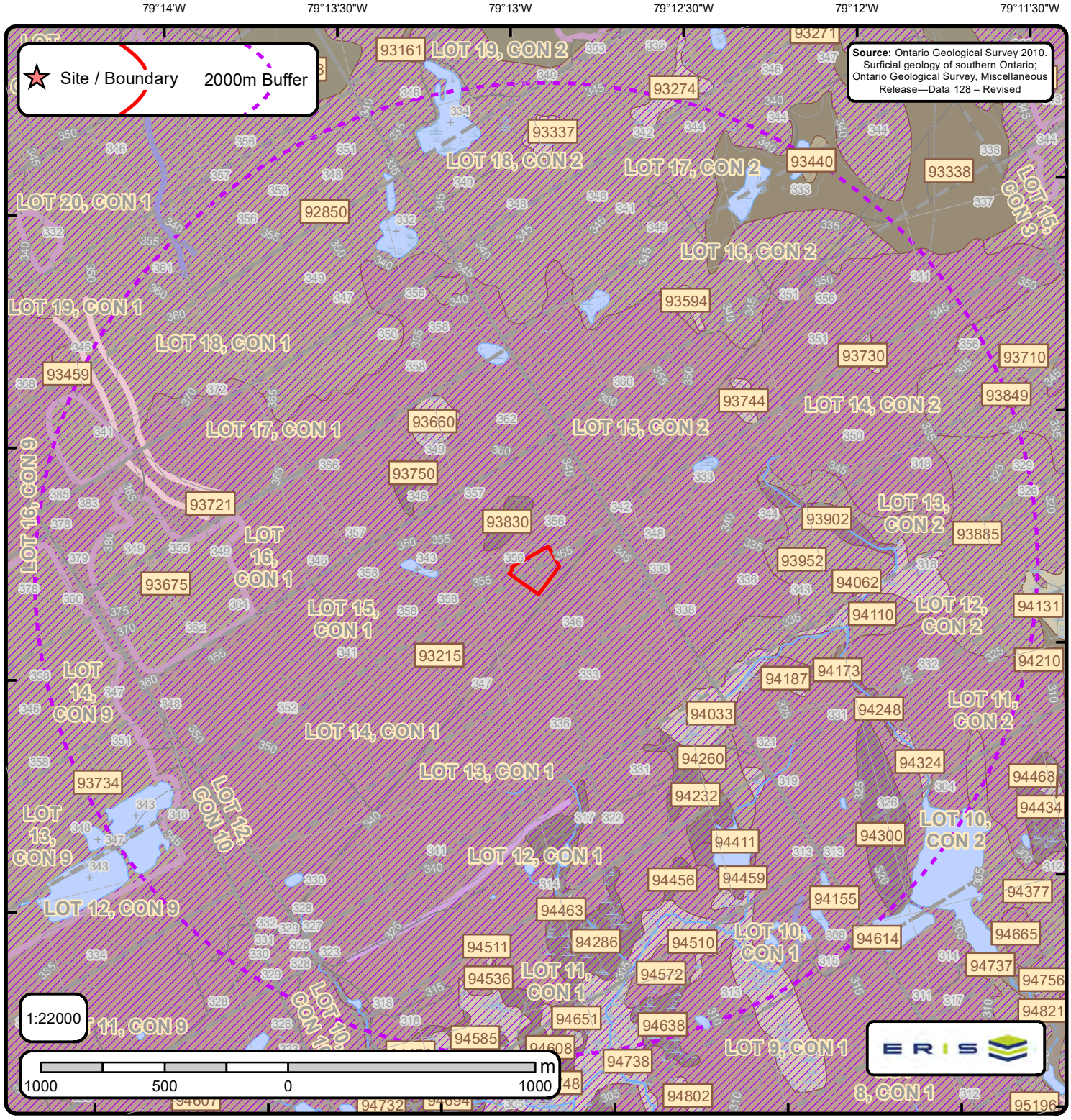
Soil ID: OND027010882
Component No : 2 | **Components(%)** : 40 | **Soil Name ID** : ONPYO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Rapidly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : coarse sand and loamy sand | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 48 | **Total Sand(%)** : 82 | **Total Silt(%)** : 13 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.4 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.009 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-37 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-50 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 88 | **Total Silt(%)** : 4 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.603 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 67 | **Total Sand(%)** : 87 | **Total Silt(%)** : 11 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.806 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
37 Anderson Blvd

Soil ID: OND027010764
Component No : 2 | **Components(%)** : 50 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND027010764
Component No : 1 | **Components(%)** : 50 | **Soil Name ID** : ONWBU~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 38 | **Total Silt(%)** : 50 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 1.307 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 22-50 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 50 | **Total Silt(%)** : 41 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.101 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-80 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 69 | **Total Silt(%)** : 23 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.376 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 80-95 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 64 | **Total Silt(%)** : 21 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.305 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-110 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.202 | **Electrical Conductivity(dS/m)** : 0 |



The Surficial Geology of Southern Ontario

Order No. 21082700180

Spot Height	Streams	Dune	Beach	Esker	karst	pitsg
Waterbody	Contour Lines	Lake	Bluff	Esker ND	linfeat	popup
Wetlands	Roads	Rib	Crevasse	Fluvial DL	megarip	ribl
Airports	Railroads	Scab	Crest	fluvndl	mfluvdl	slidel
Pit or Quarry	Morains	Slide	End	iceberg	mfluvndl	slumpb
Lots		NOF Dune	Escarpment	icslope	moraine	terrace

Surface Geology Report

Surface Geology units found within 2000 m of
37 Anderson Blvd

Order No.
21082700180

ID: 92850 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans (Sand and gravel)

ID: 93215 | **Unit Name:** Ice-contact deposits |
Deposit Type Code: 10 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clayey silt to sandy silt | **Secondary Material:** clay, silt, sand, gravel | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Ontario | **Carbon Content:** high | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Bedded, massive sandy silt to clayey silt, moderate to low clast content (flowtill and subglacial Halton Till); minor gravel, sand, silt and clay deposited along the terminus of a glacier.

ID: 93274 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 93337 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 93338 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 93440 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans

ID: 93459 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans (Sand and gravel)

ID: 93594 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 93660 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 93675 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans (Sand and gravel)

ID: 93710 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans

ID: 93721 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 93730 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 93734 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans (Sand and gravel)

ID: 93744 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 93750 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 93830 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 93849 | **Unit Name:** Ice-contact deposits |
Deposit Type Code: 10 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clayey silt to sandy silt | **Secondary Material:** clay, silt, sand, gravel | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Ontario | **Carbon Content:** high | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Bedded, massive sandy silt to clayey silt, moderate to low clast content (flowtill and subglacial Halton Till); minor gravel, sand, silt and clay deposited along the terminus of a glacier.

ID: 93885 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12b | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt, gravel, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans (Mainly sand)

ID: 93902 | **Unit Name:** Fluvial and deltaic deposits |
Deposit Type Code: 18 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt, gravel | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Sand; minor gravel, silt and clay in remnant terraces

ID: 93952 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans

ID: 94033 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94062 | **Unit Name:** Fluvial and deltaic deposits |
Deposit Type Code: 18 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt, gravel | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Sand; minor gravel, silt and clay in remnant terraces

ID: 94110 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans

ID: 94131 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94155 | **Unit Name:** Ice-contact deposits |
Deposit Type Code: 10 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clayey silt to sandy silt | **Secondary Material:** clay, silt, sand, gravel | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Ontario | **Carbon Content:** high | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Bedded, massive sandy silt to clayey silt, moderate to low clast content (flowtill and subglacial Halton Till); minor gravel, sand, silt and clay deposited along the terminus of a glacier.

ID: 94173 | **Unit Name:** Fluvial and deltaic deposits |
Deposit Type Code: 18 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt, gravel | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Sand; minor gravel, silt and clay in remnant terraces

ID: 94187 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94210 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94232 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94248 | **Unit Name:** Till |
Deposit Type Code: 5 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Mackinaw | **Stratus Modifier:** Surface | **Provenance:** Simcoe | **Carbon Content:** high | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Massive, silty sand to sandy silt matrix, moderate to high matrix carbonate content, clast content moderate to high (includes Newmarket and Northern Tills).

ID: 94260 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans

ID: 94286 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94300 | **Unit Name:** Till |
Deposit Type Code: 5 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Mackinaw | **Stratus Modifier:** Surface | **Provenance:** Simcoe | **Carbon Content:** high | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Massive, silty sand to sandy silt matrix, moderate to high matrix carbonate content, clast content moderate to high (includes Newmarket and Northern Tills).

ID: 94324 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94331 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94377 | **Unit Name:** Ice-contact stratified deposits |
Deposit Type Code: 12 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** clay, silt, diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** ice-contact | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Unsubdivided sand and gravel; including minor silt, clay and flowtills; deposited in moraines, eskers, kames, subaqueous fans

ID: 94411 | **Unit Name:** Fill |
Deposit Type Code: 22 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** fill | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** anthropogenic | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Disturbed mixture of natural materials, landfill

ID: 94456 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94459 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94463 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94478 | **Unit Name:** Fluvial deposits |
Deposit Type Code: 21 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** silt, sand | **Primary Material Modifier:** | **Secondary Material:** organic deposits, clay, gravel | **Primary General:** fluvial | **Primary General Modifier:** modern floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Sand and silt; minor gravel, organic matter and clay in modern flood plains

ID: 94510 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94511 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94536 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94572 | **Unit Name:** Ice-contact deposits |
Deposit Type Code: 10 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clayey silt to sandy silt | **Secondary Material:** clay, silt, sand, gravel | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Ontario | **Carbon Content:** high | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Bedded, massive sandy silt to clayey silt, moderate to low clast content (flowtill and subglacial Halton Till); minor gravel, sand, silt and clay deposited along the terminus of a glacier.

ID: 94585 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94608 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94614 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94638 | **Unit Name:** Glaciolacustrine deposits |
Deposit Type Code: 16 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand, minor silt; massive to laminated nearshore or deltaic bottomset or distal fan deposits

ID: 94651 | **Unit Name:** Ice-contact deposits |
Deposit Type Code: 10 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clayey silt to sandy silt | **Secondary Material:** clay, silt, sand, gravel | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Ontario | **Carbon Content:** high | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Bedded, massive sandy silt to clayey silt, moderate to low clast content (flowtill and subglacial Halton Till); minor gravel, sand, silt and clay deposited along the terminus of a glacier.

ID: 94677 | **Unit Name:** Organic deposits |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck and marl

ID: 94738 | **Unit Name:** Ice-contact deposits |
Deposit Type Code: 10 | **Deposit Age:** Pleistocene | **Map Number:** m2562 | **Map Name:** Newmarket | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clayey silt to sandy silt | **Secondary Material:** clay, silt, sand, gravel | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Ontario | **Carbon Content:** high | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Bedded, massive sandy silt to clayey silt, moderate to low clast content (flowtill and subglacial Halton Till); minor gravel, sand, silt and clay deposited along the terminus of a glacier.

Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

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ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier- This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.