



Terraprobe

*Consulting Geotechnical & Environmental Engineering
Construction Materials Inspection & Testing*

**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
521 HURONIA ROAD
BARRIE, ONTARIO**

Prepared for: **HURONIA BARRIE LAND INC.**
590 ALDEN ROAD, SUITE 211
MARKHAM, ONTARIO
L3R 8N2

Attention: Mr. Peter Rich

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1.0 EXECUTIVE SUMMARY

Terraprobe Inc. (Terraprobe) was retained by Huronia Barrie Land Inc. (HBL) to complete a Phase One Environmental Site Assessment (ESA) of the property (herein referred to as “Property or Phase One Property”) located on the west side of Huronia Road, approximately 50 m south of Loon Avenue in the City of Barrie, Ontario. The municipal address of the Property is 521 Huronia Road, Barrie, Ontario.

The Phase One Property is roughly rectangular in shape and covers an area of approximately 6.18 hectares (15 acres). The Property is currently undeveloped agricultural land consisting of forest and woodland areas. Lovers Creek tributary transverse the southwest portion of the Property. The surrounding properties are predominantly agricultural with some residential and commercial land uses.

The Property is considered to be Agricultural Land Use and Environmental Protection Area by the Ontario Ministry of the Environment, Conservation and Parks (MECP). It is understood that the Property will be potentially developed for residential use. The Phase One ESA is required for due diligence purposes.

The Phase One ESA was completed to satisfy the intent of the requirements, methodology, and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The Phase One ESA involved the following main tasks:

- Review of Ontario Ministry of Environment publications including the Ontario Inventory of PCB Storage Sites and the Ontario Waste Disposal Site Inventory;
- Review of available ownership/occupancy records for the subject site;
- Review of historic air photo, maps, surficial/bedrock geologic information, and various information available from Regulatory Agencies;
- Interviews with available individuals having some knowledge of current and/or historical site activities;
- A reconnaissance inspection of the Property; and
- Evaluation of the information and documentation.

The Phase One ESA was completed as per the requirement of Ontario Regulation 153/04. Based on the records reviewed and site inspection, no Potentially Contaminating Activity (PCA) was identified within the Phase One Property and Phase One Study Area (Study Area).

Based on the findings of the Phase One ESA, a Phase Two Environmental Site Assessment is not required for the Property.



2.0 INTRODUCTION

Terraprobe Inc. (Terraprobe) was retained by Huronia Barrie Land Inc. (HBL) to complete a Phase One Environmental Site Assessment (ESA) of the property (herein referred to as “Property or Phase One Property”) located at 521 Huronia Road, Barrie, Ontario.

The Property is currently undeveloped agricultural land and consisting of forest and woodland areas. Lovers Creek tributary transverse the southwest portion of the Property. The surrounding properties are predominantly agricultural with some residential and commercial land uses. The general location of the Property is presented in the Phase One Property Location (Figure 1).

2.1 Phase One Property Information

The Property information is provided as below.

Legal Description	Part w1/2 Lot 11 Con 12 Innisfil
PIN	58737-0626 (LT)
Zoning	Agricultural, Environmental Protection Area
Area	6.18 ha (15 acres)
Zone Northing Easting	17T 4811181N 606650E

The ownership information for the Phase One Property is as below:

Property Owner Information	1424883 Ontario Inc. 782 Broadview Ave., Toronto Ontario, M4K 2P7
Persons, other than Property Owner, who engaged the Qualified Person to conduct the Phase One ESA	Peter Rich 590 Alden Road Suite 211 Markham, Ontario L3R 8N2

2.2 Site Description

The Property is located on the west side of Huronia Road, approximately 50 m south of Loon Avenue in the City of Barrie, Ontario. The municipal address of the Property is 521 Huronia Road, Barrie, Ontario

The Phase One Property is roughly rectangular in shape and covers an area of approximately 6.18 hectares (15 acres). The Property is currently undeveloped agricultural land consisting of forest and woodland areas. Lovers Creek tributary transverses the southwest portion of the Property. The surrounding properties are predominantly agricultural with some residential and commercial land uses.

The Property is considered to be in Agricultural Land Use and Environmental Protection Area by the Ontario Ministry of the Environment, Conservation and Parks (MECP). The Property is currently



agricultural in land use as per Ontario Regulation 153/04 (O.Reg.153/04). Site features are presented in Figure 2. Site photographs are shown in Appendix E.

2.3 Buildings

The Property is currently undeveloped, agricultural land. No buildings on the Property.

2.4 Purpose of Investigation

It is understood that the Phase One Environmental Site Assessment (ESA) is required to for due diligence purposes prior to the proposed development of the Property for residential use. This Phase One ESA is conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, and amended by Ontario Regulation 511/09 (O.Reg.153/04).

The objective of the Phase One ESA was as follows:

- To assess the environmental condition of the Property.
- To identify potentially contaminating activities within the Study Area.
- Based on the above, to identify issues of obvious or potential environmental concern with respect to the Property.

Current Land Use

The Property is currently vacant agricultural land and the surrounding areas are predominantly agricultural with some residential and commercial land uses. Under the Ministry of the Environment, Conservation and Parks (MECP) and in accordance with the applicable environmental regulation (Ontario Regulation 153/04), the current use of the Property is agricultural land use.

Future Land Use

It is understood that the Property is proposed to be developed for residential purposes. Under O.Reg.153/04 the future land use of the Property would be considered residential land use.

The Phase One ESA was completed to satisfy the intent of the requirements, methodology, and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The Phase One ESA involved the following main tasks:

- Review of Ontario Ministry of Environment publications including the Ontario Inventory of PCB Storage Sites and the Ontario Waste Disposal Site Inventory;
- Review of available ownership/occupancy records for the subject site;
- Review of historic air photo, maps, surficial/bedrock geologic information, and various information available from Regulatory Agencies;
- Interviews with available individuals having some knowledge of current and/or historical site activities;



- A reconnaissance inspection of the Property; and
- Evaluation of the information and documentation



3.0 SCOPE OF INVESTIGATION

The Phase One ESA involved the following principal tasks:

- A review of records and reports regarding historical and current occupancy and activities for the Property and Study Area.
- Interviews with available individuals having knowledge of current and/or past site activities.
- An inspection of the Property and observation of the Study Area.

The information on the Property and Study Area is summarized in this report. Sampling and analysis of soil, ground water, or other materials (e.g., construction materials, air) were not carried out as part of the investigation.

3.1 Records Review

The records review provides information on historical and current activities. The objectives of the records review were as follows:

- To obtain and review records that relate to the current and past uses, site features and activities at the Property.
- To obtain and review records that relate to potentially contaminating activities, water bodies, and areas of natural significance in the Study Area (in addition to the Property).
- Based on the above, to provide an assessment of actual and potential contaminating activities and concerns with respect to the environmental condition of the Property.

The following sources of information were reviewed:

- Archival information for the site including aerial photographs, topographic maps, historical maps and drawings.
- Site-specific environmental reports and/or company records (e.g., Certificates of Approval, waste generator registration, approvals, and permits) provided to Terraprobe.
- Geological and hydrogeological information in published government maps and/or reports.
- Databases maintained by EcoLog ERIS containing environmentally related information from private, provincial, and federal sources.
- Fire insurance plans and insurance inspection reports (and related plans) on file with EcoLog ERIS.
- Published Ontario Ministry of the Environment, Conservation and Parks (MECP) directories related to registered PCB storage sites and active and closed landfill sites.
- The Ontario Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Information Centre database for information specific to natural areas, such as locations of environmentally sensitive areas.
- Published information regarding an Official Plan for the area.



- Sensitivity mapping by the local Conservation Authority.

3.2 Interviews

The objectives of the interview were:

- To obtain information to assist in determining if an area of potential environmental concern exists.
- To identify details of potentially contaminating activities or potential contaminant pathways in, on or under the Property.

Key personnel was interviewed and asked questions related to specific site activities, such as:

- The nature of the operations.
- Handling and storage of environmentally sensitive products and related wastes.
- Environmental approvals and registrations.
- Knowledge of previous reports related to the environmental condition of the Property.
- Issues related to non-compliance, orders, or charges related to environmental conditions on the Property.

3.3 Site Reconnaissance

The objectives of the site reconnaissance were:

- To identify potential environmental concerns based on observations of current and past uses, and potentially contaminating activities at the Property and in the Study Area.
- To identify potential pathways for contamination at the Property and Study Area.

The site reconnaissance included a review of issues of potential environmental concern, including the following:

- Activities and practices including site operations, processes and waste management currently carried out on the Property.
- Evidence of past waste disposal, landfill or fill placement on the Property.
- The presence of hazardous or toxic chemicals, materials or processes.
- The presence of existing or former aboveground or underground fuel storage tanks.
- Identification of heating and cooling systems.
- The presence of floor cracks, hydraulic hoists, elevators, sumps and drains, wells, pits and lagoons.
- Identification of water supply source to the Property.



- The presence of various designated substances and building materials, including friable and non-friable asbestos, PCB-containing materials and electrical equipment, lead-based paint, mould, and chlorofluorocarbons (CFCs) in air-conditioning and refrigeration equipment.
- Evidence of stained or odorous soils and stressed vegetation.

In addition, an inspection of adjacent properties within the Study Area (identified in Section 4.1.1) was completed to assess the potential for operations being carried out on those properties to impact on the environmental condition of the Property. The inspection of adjacent properties was limited to inspection from the Property boundaries and public areas (roads, sidewalks, etc.).

3.4 Documentation and Evaluation of Information

The information obtained from the records review, interviews and site reconnaissance was described, documented and evaluated as summarized below:

- Documentation of information, as noted in subsequent sections of the report.
- Description of potentially contaminating activities.
- Description of areas of potential environmental concern.
- Development of a Phase One Conceptual Site Model.
- Discussion of the need, if any, for further investigation.



4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The Phase One Study Area (Study Area) consisted of properties located within a 250 m radius of the Property. Residential properties were situated to the north, commercial properties to the northeast and agricultural lands to west, east and south of the Property. The Phase One Study Area is shown in Figure 3.

Based on the historical Property use and no development on the Property and surrounding area, the Qualified Person determined that a 250 m study area around the Property was sufficient to identify issues of potential environmental concern that could potentially impact the environmental condition of the Property.

4.1.2 First Developed Use Determination

The determination of first developed use was based on the review of aerial photographs, historical mapping, and property ownership records. The details and evaluation of the above noted information sources are provided in subsequent sections of this report.

Based on the evaluated information:

- The Property passed from Crown ownership in 1834.
- The Property has remained Agricultural Land Use from 1835 till date based on the review of historical records and available aerial photos from 1954 to date.

The table of Current and Past Land Uses of the Property is provided in Appendix A.

4.1.3 Fire Insurance Plans and Insurance Inspection Reports

No Fire Insurance Plans or Insurance Inspection Reports were available for review during the records search for the Phase One Property.

4.1.4 Chain of Title

A chain of title search for the Property dating back to Crown ownership was completed and summarized below.

- The Property transferred from Crown ownership to private individuals in 1834.
- The Property was owned by a mix of private individuals and corporations until 2009 when the current owner 1424883 Ontario Inc. took ownership.



The results of the title search are presented in Appendix G. No potentially contaminating activities were identified for the Property within the chain of title search.

4.1.5 City Directory Search

Available city directories were reviewed for the Property and adjacent properties. The Property is currently vacant agricultural land. The full search results can be found in Appendix F.

No potentially contaminating activities (PCAs) were identified for the Phase One Property or Study Area in the city directories search.

4.1.6 Environmental Reports

No environmental report was available for Terraprobe to review.

4.2 Environmental Source Information

4.2.1 ERIS

Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information. A search of the ERIS Ltd. databases was requested for the Property and Study Area. Records of environmental concern were found for the Phase One Property and the Phase One Study Area. The ERIS Report is provided in Appendix H.

No potentially contaminating activities (PCAs) were identified for the Phase One Property. The potentially contaminating activities identified on the Phase One Property Study Area in ERIS search are summarized below.

Location of PCA	PCA	Details
Phase One Study Area		
480 and 500 Huronia Road 50 m northwest from the Property	Others 1 – O Reg. 347 Waste Generator	The sites (Canadian Food Inspection Agency and medical clinics) were registered as a waste generator for Pathological and Pharmaceuticals waste. However, due to the nature of wastes and the strict regulatory/guideline procedure for housekeeping of these types of waste, the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, these properties are not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.



Location of PCA	PCA	Details
111 Ellis Drive 250 m northwest from the Property	#34- Metal Fabrication	The property, identified as Jebco Industries listed as a custom metal fabrication facility. However, due to the significant distance (250 m northwest of the Property), the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, this property is not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.
175 m northwest of the Property	#46 – Rail Yards, Track and Spurs	Historical Railway- Hamilton and North Western Railway (1879), due to the significant distance (175 m northwest of the Property), the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, this property is not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.

4.2.2 Other Source Information

Other environmental source information was searched as part of the Phase One ESA. The information that was searched included:

- Freedom of Information (FOI) request to the Ontario Ministry of the Environment, Conservation and Parks (MECP). The FOI request determines if information regarding orders, investigations or other information on file with respect to the Property.
- Technical Standards and Safety Authority (TSSA) was contacted in regards to records related to storage tanks for petroleum-related products with respect to the Property
- The local Conservation Authority was contacted to determine if the Property was considered regulated under the Conservation Authorities Act and Ontario Regulations 42/06, 146/06 to 182/06 and 97/04.
- Municipal Zoning and Official Plan information was reviewed

The information requests and responses are provided in Appendix F and are summarized below:

Information Request	Response
MECP FOI	A written request was submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP), Freedom of Information Office to determine if there is information regarding orders, investigations, or other information on file with respect to the Phase One Property. This includes a search for information regarding parameters such as air emissions, water, sewage, wastewater, and pesticides. No response has been received yet for the municipal address of 521 Huronia Road, Barrie, Ontario. In addition, information from the Ontario Ministry of the Environment was reviewed as part of the Ecolog ERIS database search, which is summarized in Section 4.2.1. In particular, information on Certificates of Approval, Compliance, and Convictions, Waste Disposal Sites, PCB Storage Sites, and Waste Generators were reviewed.



Information Request	Response
MECP PCB Storage Sites and Landfill Sites	Directories published by the MECP related to waste disposal sites [Ref. 14] and PCB storage sites [Ref. 13], and the Brownfields Environmental Site Registry was reviewed. The Waste Disposal Site Inventory showed no records of active or closed disposal sites within 250 m of the Property. No records of PCB storage sites were present on the Property and within the Study Area.
TSSA	The Technical Standards and Safety Authority (TSSA) maintain records related to storage tanks for petroleum-related products. The TSSA was contacted to review records related to the Phase One Property and Study Area. The response from TSSA indicates that they have no record of any fuel storage tanks at the Property.
Conservation Authority	The Property is located within Lake Simcoe Conservation Authority (LSRCA) jurisdiction. A response from the governing Conservation Authority request has been received. "The Property is entirely regulated by the Lake Simcoe Region Conservation Authority under Ontario Regulation 179/06 and the Conservation Authorities Act for the following features: 1. Provincially Significant Wetland and lands adjacent to a wetland 2. Floodplain 3. Watercourse and its associated erosion hazards As such, permission is required prior to any development or re-development on the property. Please note that as per our Watershed Development Guidelines (Section 8.3) development and or interference in any way shall generally be prohibited within all wetlands. In addition, development is typically restricted in the floodplain and areas subject to erosion hazards. We recommend pre-consultation with regards to any development proposal you are considering."
Zoning	The local zoning by-law and Official Plan was reviewed. The Property is zoned as agricultural and environmental protection land use.

No potentially contaminating activities were identified within the other source information search.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs, satellite imagery and historical maps from 1954, 1989, 1997, 2002, 2008, 2013, 2016 and 2018 were reviewed. These documents provide a visual record of the historical, physical conditions on the subject property and surrounding area. A selection of aerial photographs and historical maps are presented in Appendix D. The state of development of the Property and Study Area is summarized in below.



Date	Type	Subject Property	Surrounding Area
1954	Aerial Photo	The Phase One Property appears to be undeveloped agricultural land.	The surrounding properties to the north, east, south and west appear to be vacant and agricultural land. A railway line further northwest of the Property.
1989	Aerial Photo	No significant changes.	No significant changes.
1997	Satellite Imagery	No significant changes.	Agricultural lands to the east and west, residential dwellings to the north, residential and some commercial properties to the south.
2002	Satellite Imagery	No significant changes.	No significant changes.
2008	Satellite Imagery	No significant changes.	No significant changes.
2013	Satellite Imagery	No significant changes.	No significant changes.
2018	Satellite Imagery	No significant changes.	No significant changes.

Potentially contaminating activity was identified in the aerial photographs.

Location of PCA	PCA	Details
Phase One Study Area		
Further Northwest Property Boundary	PCA #46 – Rail Yards, Tracks and Spurs	A rail line can be observed on all of the aerial photographs. Due to the significant distance, the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, this property is not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.

4.3.2 Topography Hydrology, Geology

A topographic map from the Ontario Ministry of Natural Resources and Forestry (MNRF) and the geological mapping produced by the Ontario Ministry of Northern Development and Mines - *Ontario Geological Survey* was reviewed. The information gleaned from the mapping is summarized below. The maps are provided in Appendix I.

Topography	Based on topographic information from the 1982 Ontario Base Map, the Property ground surface elevation is approximately 250 m above mean sea level. The site consists of forested area, woodlands and provincially significant wetlands.
Hydrogeology	The nearest water body is Lovers Creek, which is located approximately 450m to the east of the Property. The approximate depth to ground water, based on Water Well Records in the local area, is expected to be 4.0 m. Ground water and surface water is expected to flow to the southeast. A tributary (stream) runs east/west across the southwestern portion of the property.
Geology (overburden)	The overburden consists of undifferentiated stone-poor, sandy silt to silty sand, textured till on Paleozoic terrain. Also, sand, gravel, minor silt and clay, foreshore and basinal deposits.
Geology (bedrock)	The bedrock on the Site is of the Lindsay formation, which is comprised of limestone; nodular to black laminated.



Geology (depth to bedrock)	Based upon historic borehole information from the MNRF and Water Well Records in the vicinity from the MECP, the depth to bedrock in the area of the Property is beyond 105 m.
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4.3.3 Fill Materials

Based upon the historic land use of the Property (undeveloped agricultural land), it is not probable that historic filling occurred across the Property.

4.3.4 Water Bodies and Areas of Natural Significance

Mapping from the Ontario Ministry of Natural Resources and Forestry (MNRF) was reviewed to determine if water bodies were present on the Property and within the Study Area. The Ontario Ministry of Natural Resources National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was reviewed. The information is summarized below.

Water Bodies (Property)	Lovers Creek tributary (stream) was identified on the Southwest portion of the Property.
Water Bodies (Study Area)	Lovers Creek – 450m East of the Property
Wetland (Property)	<u>Provincially Significant</u> - Provincially Significant wetlands are present on the Property. <u>Non- Provincially Significant</u> - No Non- Provincially Significant wetlands are present on the Property. <u>Unevaluated</u> - No Unevaluated wetlands are present on the Property.
Wetland (Study Area)	<u>Provincially Significant</u> - Provincially Significant wetlands are present in the Study Area. <u>Non- Provincially Significant</u> - No Non- Provincially Significant wetlands are present in the Study Area. <u>Unevaluated</u> - No unevaluated wetlands are present in the Study Area.



ANSIs (Property)	<u>Provincially Significant Life Science ANSI</u> - No Life Science ANSIs were identified on the Property. <u>Provincially Significant Earth Science ANSI</u> - No Earth Science ANSIs were identified on the Property.
ANSIs (Study Area)	<u>Provincially Significant Life Science ANSI</u> - No Life Science ANSIs were identified in the Study Area. <u>Provincially Significant Earth Science ANSI</u> - No Earth Science ANSIs were identified in the Study Area.

4.3.5 Archaeological Resources or Areas of Archaeological Potential

The Property is not considered to be of provincial heritage significance under the Ontario Heritage Act. No additional archaeological evaluation of the Property was conducted as part of the Phase One ESA.

4.3.6 Species at Risk

No science based assessment of potential species at risk or species habitat was conducted as part of the Phase One ESA.

4.3.7 Well Records

The Ontario Ministry of the Environment, Conservation and Parks (MECP) well records database was searched through EcoLog ERIS and through the Ministry of the Environment Online Water Well Database for records located on the Property and in the Study Area (within 250 m). A copy of the Well Records is provided in Appendix I and is summarized below.

Water Wells (Property)	- One drinking water well was located on the Property. - No other well located on the Property.
Water Wells (Study Area)	- Three (3) water wells were located within the Study Area. - No other wells were located within the Study Area.
Stratigraphy	0 to 28 m – clay, sand, gravel 28 to 40 m – sand 40 to 87 m – clay, silt 87 to 94 m – fine, medium and coarse sand 94 to 99 m – sand and clay 99 to 105 m – gravel and clay
Depth to Water Table	Approximately 4 m
Depth to Bedrock	Beyond 105 m



4.4 Site Operating Records

No site operating records were provided for review. Past and current use of the Phase One Property is undeveloped, agricultural land.



5.0 INTERVIEWS

No individuals with knowledge of the current or historic environmental condition of the property were available for interview during the investigation. Based upon the historic information reviewed and the nature of the Land Use of the Property, it was belief of the QP that not being able to interview knowledgeable individuals did not pose a significant void in the information on historical or current Site activities that would significantly affect the Conceptual Site Model.



6.0 SITE RECONNAISSANCE

6.1 General Requirements

Date of Investigation	September 12, 2019
Time of Investigation	14:00 to 17:00
Weather Conditions	Mostly Sunny, 18°C
Duration of Investigation	Approximately 3 hours
Was the Facility Operating?	Not Applicable (Agricultural land)
Person(s) Conducting Investigation and Qualifications	Mark Carhart under the supervision of Samuel Oyedokun, P.Eng.

6.2 Specific Observations at Phase One Property

The site reconnaissance included a walking tour of the Property, as well as compiling written and photographic records. Site features are illustrated in Figure 2, and photographs are presented in Appendix E.

6.2.1 Building Description

The Property is currently undeveloped and consists of a vacant agricultural land.

6.2.2 Designated Substances and Other Special Attention Items

The inspection was carried out at the accessible areas and included an assessment of the potential presence of the following materials:

- Designated substances (i.e., acrylonitrile, asbestos, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica, vinyl chloride).
- Polychlorinated biphenyls (PCBs).
- Ozone-depleting substances.
- Urea-formaldehyde foam insulation (UFFI).
- Special attention items (i.e., mould radioactive materials).



The presence of these materials based on the Site reconnaissance is summarized below.

Asbestos	No evidence of asbestos material was observed.
Lead	No suspected lead-based paint or plumbing components were observed during the inspection of visually accessible areas.
Mercury	No materials containing mercury were observed during the site inspection.
PCBs	No materials containing PCBs were observed during the site inspection.
Ozone Depleting Substances (ODS)	No ozone depleting substances were observed during the site inspection.
UFFI	No UFFI products were observed during the site inspection.
Mould	No mould or areas of excessive dampness were observed during the site inspection.
Radioactive Materials	No manmade sources of radiation were observed during the site inspection.
Herbicides and Pesticides	During the site inspection, no materials containing herbicides or pesticides were observed to be stored at the site.

6.2.3 Below Ground Structures

There were no building structures present on the Property. No below ground structures or evidence of historical below ground structures were observed during the site inspection.

6.2.4 Aboveground Storage Tanks

No above ground storage fuel tanks or evidence of historical above ground storage fuel tanks was observed during the site inspection.

6.2.5 Underground Storage Tanks

No underground storage tanks or evidence of historical underground storage tanks was observed during the site inspection.

6.2.6 Exterior Site Conditions

The Property is roughly rectangular in shape and covers an area of approximately 6.18 ha (15 acres). The Property consists of undeveloped agricultural land. Residential dwellings are located to the north and Huronia Road is adjacent west of the Property.



Additional details of the Property are provided below.

Water Sources	The property is currently undeveloped agricultural land.
Current and Former Wells	No evidence of water supply wells on the Property were noted during the site inspection. However, the review of background information listed one water well for the Property.
Sewage Works	No sewage works were present on the Property at the time of the site inspection.
Railways	A railway track is located within the study area approximately 175 m to the northwest of the Property.
Stained and Odorous Soils	No stained or odorous soils were observed on the Property during the site inspection.
Stressed Vegetation	No areas of stressed vegetation were noted on the Property during the site inspection.
Underground Utilities and Services	No underground utilities or services were noted on the Property during the site inspection.
Fill Materials	No indication of any placement of fill material on the Property was noted.
Watercourses, Ditches or Standing Water	Streams and wetlands were observed on the Property. Lovers Creek tributary (stream) was identified on the southwest portion of the Property.

6.3 Enhanced Investigation Property

The current and historical activities on the Property do not qualify the site as an Enhanced Investigation Property.

6.4 Investigation of Phase One Study Area

At the time of the site inspection, the following land uses were noted on the properties immediately adjacent to the Property.

Direction	Land Uses
North	Residential subdivision and commercial buildings
East	Undeveloped agricultural land
South	Residential and commercial (trailer park)
West	Undeveloped agricultural land

6.5 Written Description of Investigation

The site inspection included a walking tour of the entire Property, as well as compiling written and photographic records. The inspection of the Property and Study Area was conducted by Mark Carhart, Environmental Technologist on September 12, 2019 under the supervision of Samuel Oyedokun, P. Eng.

6.6 Potentially Contaminating Activity

Off-Site PCAs

1. Others 1 – O Reg. 347 Waste Generator. Commercial buildings were located (50 m northwest of the Property), the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property.



2. PCA #46 – Rail Yards, Tracks and Spurs. Historical Railway- Hamilton and North Western Railway (1879), due to the significant distance (175 m northwest of the Property), the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property.



7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Current and past uses of the Property were determined from historical aerial photographs, fire insurance plans, chain of title documents and city directories. The full list of current and past uses of the Property is provided in Appendix J, in a form approved by the Ontario Ministry of the Environment and Climate Change under O.Reg.153/04.

7.2 Potentially Contaminating Activities

The Phase One Environmental Site Assessment identified the following Potentially Contaminating Activities (PCAs) within the Phase One Property and the Study Area. The detailed locations of the PCAs are illustrated in Figure 5.

Location of PCA	PCA	Potential APEC (Yes/No)	Details
Phase One Study Area			
480 and 500 Huronia Road 50 m northwest from the Property	Others 1 – O Reg. 347 Waste Generator	No	The sites (Canadian Food Inspection Agency and medical clinics) were registered as a waste generator for Pathological and Pharmaceuticals waste. However, due to the nature of wastes and the strict regulatory/guideline procedure for housekeeping of these types of waste, the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, these properties are not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.
111 Ellis Drive 250 m northwest from the Property	#34- Metal Fabrication	No	The property, identified as Jebco Industries listed as a custom metal fabrication facility. However, due to the significant distance (250 m northwest of the Property), the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, this property is not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.



Location of PCA	PCA	Potential APEC (Yes/No)	Details
175 m northwest of the Property	#46 – Rail Yards, Track and Spurs	No	Historical Railway- Hamilton and North Western Railway (1879), due to the significant distance (175 m northwest of the Property), the potential for impact to the Property is not considered to be an issue of potential environmental concern at the Property. In addition, this property is not anticipated to adversely affect the Phase One Property due to the present of low permeability soils underlying the study area.

7.3 Areas of Potential Environmental Concern

The Potentially Contaminating Activities identified in Section 7.2 were evaluated for their potential to create an Area of Potential Environmental Concern on the Phase One Property through consideration of:

- The type of PCA.
- The potential magnitude of the PCA (e.g., small-scale waste generation versus significant commercial activity).
- The Potential Contaminants of Concern (PCoC) associated with the PCA.
- The nature of those PCoCs in terms of their mobility in soil, ground water, and sediment as applicable.
- The anticipated direction of ground water flow.
- The anticipated hydraulic conductivity of saturated media.
- The distance between the PCA and the Property.

The analysis and rationale used to determine that a particular PCA does not create an APEC is provided in Section 7.2. The APEC identified is presented in a form approved by the Director in Appendix B.

7.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) is presented in Appendix C which illustrated and includes Figure 1 through Figure 5.

7.5 Uncertainty or Absence of Information

The following uncertainties or absence of information may have impact the Phase One Conceptual Site Model:

Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Fire Insurance Plans	No Fire Insurance Plans for the Phase One property.	No effect upon the Phase One CSM



Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Chain of Title	Chain of Title dating back to 1846 ownership was obtained as part of the investigation. As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Environmental Reports	Hydrogeologic Investigation of the Phase One Property was available.	No effect upon the Phase One CSM
Environmental Source Information	Environmental Source Information was searched through a combination of Environmental Risk Information Services (ERIS) and Freedom of Information requests (FOI). As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Aerial Photographs	Aerial Photographs were obtained from combination federal, provincial, municipal and private sources. The series of air photos selected represent the development of the Phase One Property and Phase One Study Area. As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Topography, Hydrogeology, and Geology	The Topography, Hydrogeology, and Geology were evaluated through available resources from the Ministry of Natural Resources and Forestry as well as Water Well Records. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Water Bodies and Areas and Natural Significance	Water Bodies and Areas and Natural Significance were evaluated through available resources from the Ministry of Natural Resources and Forestry, local conservation authorities and the Ministry of the Environment. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Well Records	Well Records through the summary provided by Environmental Risk Information Services (ERIS) as well as the Ministry of the Environment Water Well Information System (WWIS). As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Site Reconnaissance	Unrestricted access to the Phase One Property was provided during the Site Reconnaissance.	No effect upon the Phase One CSM
Interviews	Interviews with persons knowledgeable regarding the current and historical environmental condition of the Phase One Property were conducted. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM



Based upon the information obtained, as noted above, it is the belief of the QP_{ESA} that there is no known significant uncertainty or absence of information and that the Phase One Conceptual Site Model is valid.



8.0 CONCLUSIONS

8.1 Phase Two ESA Required Before Record of Site Condition

The Potentially Contaminating Activities on the Property and in the Study Area were determined based upon the assessment of the information contained within Section 4.0 Records Review, Section 5.0 Interviews and Section 6.0 Site Reconnaissance of this report. Areas of Potential Environmental Concern were identified for the Phase One Property.

As such, a Phase Two Environmental Site Assessment is not required prior to the preparation and submission of a Record of Site Condition.

8.2 Record of Site Condition Based on Phase One ESA Alone (If Required)

Based upon the review and evaluation of the information gathered from the Phase One ESA a Record of Site Condition can be filed based upon a Phase One ESA alone.



8.3 Signatures

The Phase One Environmental Site Assessment has been completed by Mark Carhart, under the direction and supervision of Kim Pickett, CET, LET, QP_{ESA} and Samuel Oyedokun, P.Eng., PMP, QP_{ESA}. The findings and conclusions presented in this report have been determined on the basis of the information that was obtained and reviewed and on an assessment of the existing conditions on the Phase One Property and properties within the Phase One Study Area.

The Phase One Environmental Site Assessment was completed in accordance with Ontario Regulation 153/04 (Records of Site Condition–Part XV.1 of the Environmental Protection Act). The objectives and requirements set out in that Ontario Regulation 153/04, for a Phase One Environmental Site Assessment, were applied in carrying out this environmental site assessment and preparation of the report. The Phase One Environmental Site Assessment met the requirements set out in that Ontario Regulation 153/04.

We trust this report meets your requirements. Should you have any questions regarding the information presented, please do not hesitate to contact our office.

Yours truly,

Terraprobe Inc.



**Professional Engineers
Ontario**

Licensed Engineering Technologist

Name: K. L. PICKETT

Number: 100501338

Limitations: Environmental investigations of soil, groundwater, air and sediment products including Record of Site Conditions, soil management plans and completion of Phase I and Phase II Environmental Site Assessments, excluding design, construction and verification of site remediation.

Association of Professional Engineers of Ontario

A blue ink signature of Mark Carhart, consisting of a stylized 'M' followed by a horizontal line and a small flourish.

Mark Carhart
Environmental Technologist

A blue ink signature of Kim Pickett, featuring a large, stylized 'K' and 'P'.

Kim Pickett, CET, LET, QP_{ESA}
Senior Environmental Project Manager

A blue ink signature of Samuel Oyedokun, featuring a stylized 'S' and 'O'.

Samuel Oyedokun, P.Eng., PMP., QP_{ESA}
Associate



Terraprobe

REFERENCES

1. Armstrong, D.K. and Dodge, J.E.P. *Paleozoic Geology Map of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 219.
2. Chapman, L.J., and Putnam, D.F. 2007. *The Physiography of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 228.
3. Gao, C., Shiota, J., Kelly, R. I., Brunton, F.R., van Haaften, S. 2006. Bedrock topography and overburden thickness mapping, southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 207.
4. National Aerial Photo Library. Dated 1954.
5. National Aerial Photo Library. Dated 1989.
6. Google Earth Satellite Image. Dated 2002.
7. Google Earth Satellite Image. Dated 2008.
8. Google Earth Satellite Image. Dated 2013.
9. Google Earth Satellite Image. Dated 2018.
10. Ontario Geological Survey 2010. *Surficial Geology of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release
11. Ontario Geological Survey 2006. *Bedrock Topography and Overburden Thickness Mapping, Southern Ontario*. Ontario Geological Survey, Miscellaneous Release
12. Ontario Ministry of the Environment, Conservation and Parks, June 1991. *Waste Disposal Site Inventory*. ISBN 0-7729-8409-3.
13. Ontario Ministry of the Environment, Conservation and Parks. April 1995. *Ontario Inventory of PCB Storage Sites*. ISBN 1201-2904.



9.0 LIMITATIONS AND USE OF THE REPORT

This report was prepared for the exclusive use of Huronia Barrie Land Inc and is intended to provide an assessment of the environmental condition on the Phase One Property located at located at 521 Huronia Road in Barrie, Ontario.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Terraprobe Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report, including consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. The information presented in this report is based on information collected during the completion of the Phase One Environmental Site Assessment by Terraprobe Inc. It is based on the conditions on the Phase One property at the time of the site inspection supplemented by a review of historical information to assess the environmental conditions on the Phase One, as reported herein.

Sampling and analysis of soil, ground water or any other material was not carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. The potential for environmental liability and/or environmental impact is an opinion that has been arrived at within the scope of this assessment.

In assessing the environmental conditions/history of the Phase One, Terraprobe Inc. has relied in good faith on information provided by others, as noted in this report, and has assumed that the information provided by those individuals is factual and accurate. Terraprobe Inc. accepts no responsibility for any deficiency, misstatement or inaccuracy in this report resulting from the information provided by those individuals.

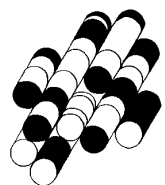
There is no warranty expressed or implied by this report regarding the environmental status of the Phase One. Professional judgment was exercised in gathering and analysing information collected by our staff, as well as that submitted by others. The conclusions presented are the product of professional care and competence, and cannot be construed as an absolute guarantee.

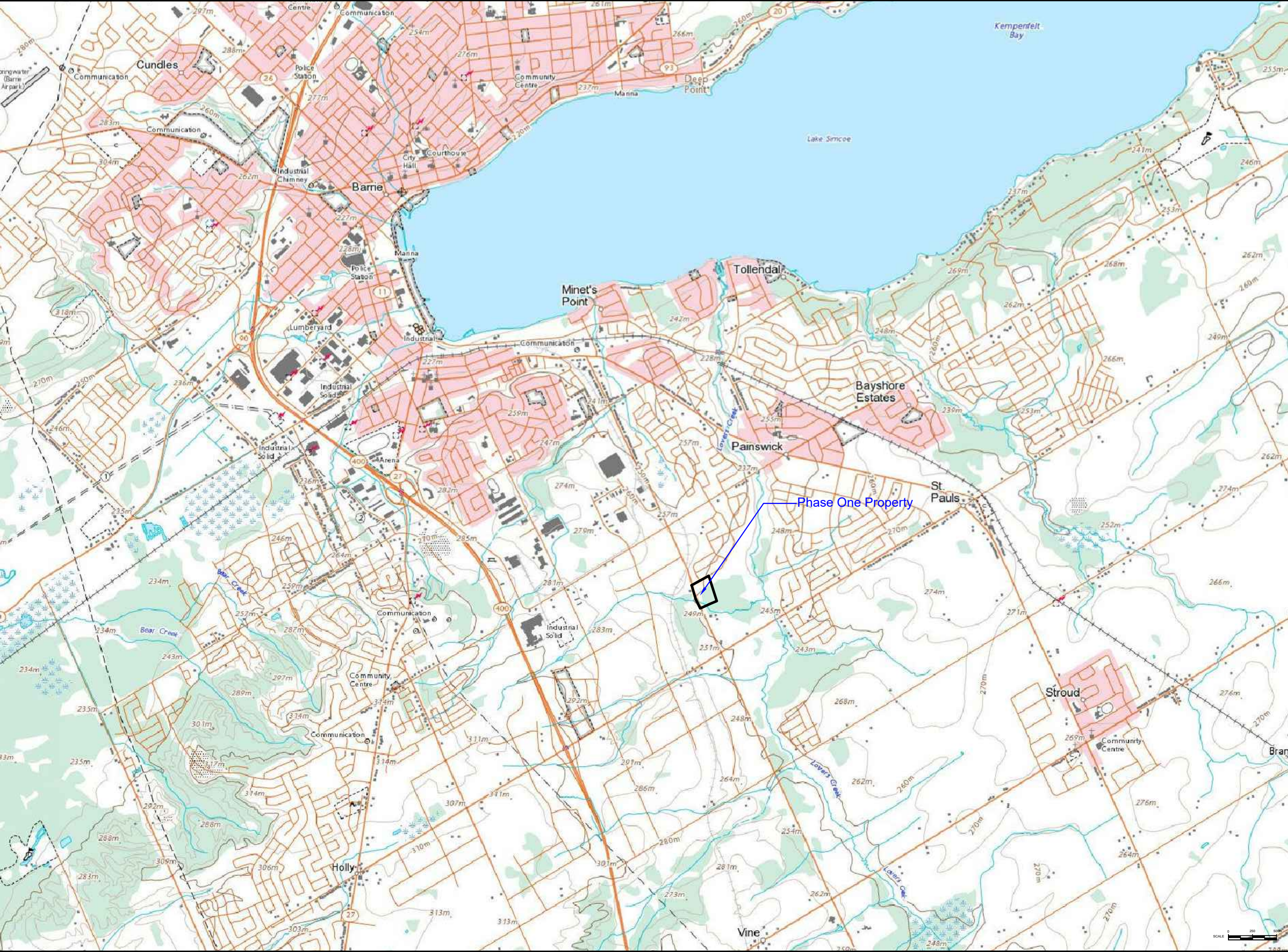
In the event that during future work new information regarding the environmental condition of the Phase One is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Phase One, Terraprobe Inc. should be notified in order that we may re-evaluate the findings of this assessment and provide amendments, as required.



FIGURES

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Construction Materials, Inspection & Testing
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Reference:
County of Simcoe - Wep Map

Notes:

Legend:
Approximate Property Boundary

Project Title:
Phase One ESA

Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
PHASE ONE PROPERTY LOCATION

Designed By:
MC

Drawn By:
BH

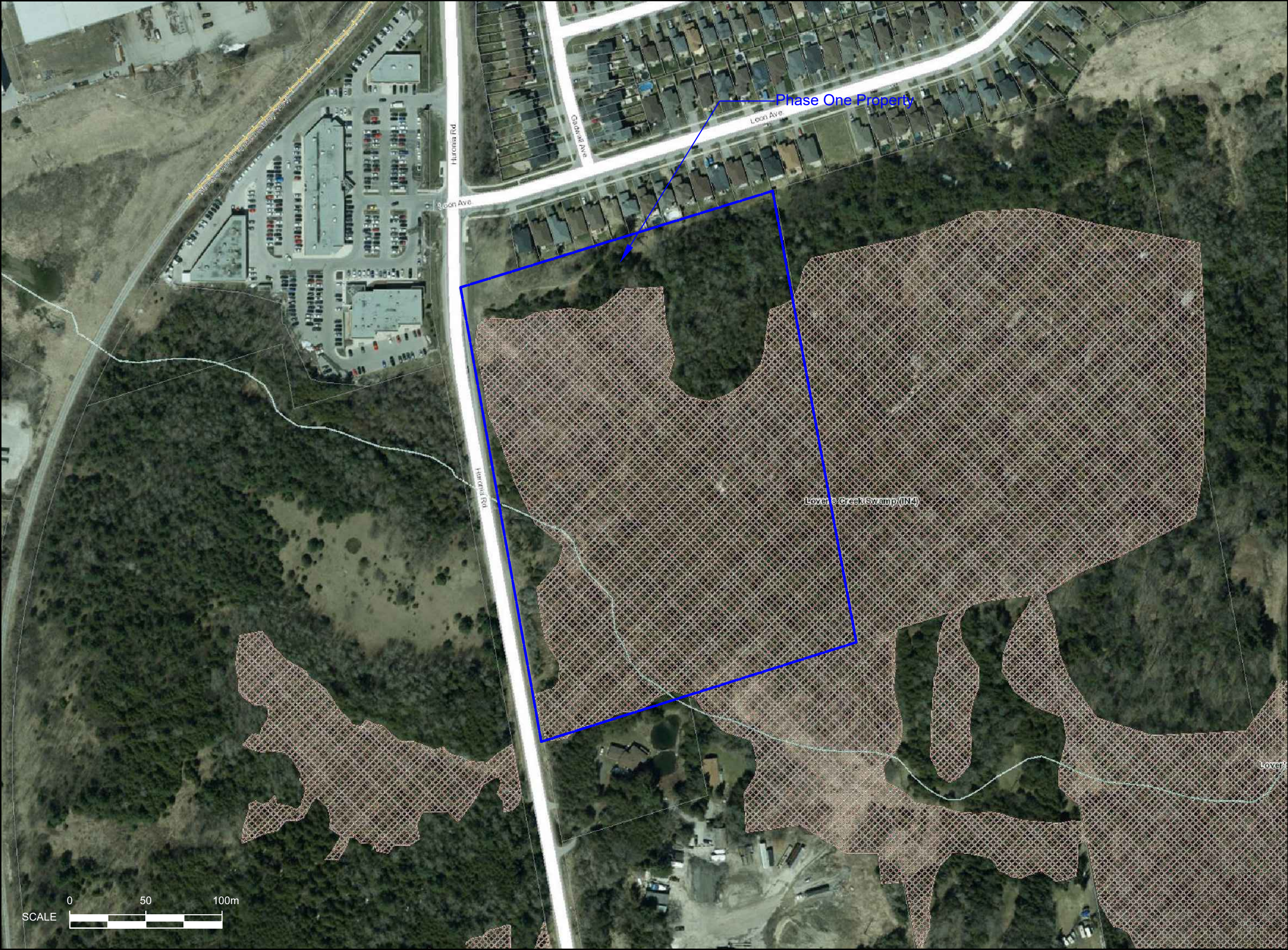
Reviewed By:
SO

Date:
September 2019

File No.:
3-19-0101-41

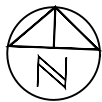
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Figure No.:
1





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Reference:
County of Simcoe - Wep Map

Notes:

Legend:

 Approximate Property Boundary

Project Title:

Phase One ESA

Site Location:

521 HURONIA ROAD, BARRIE

Figure Title:

PHASE ONE PROPERTY

Designed By: MC

Drawn By: BH

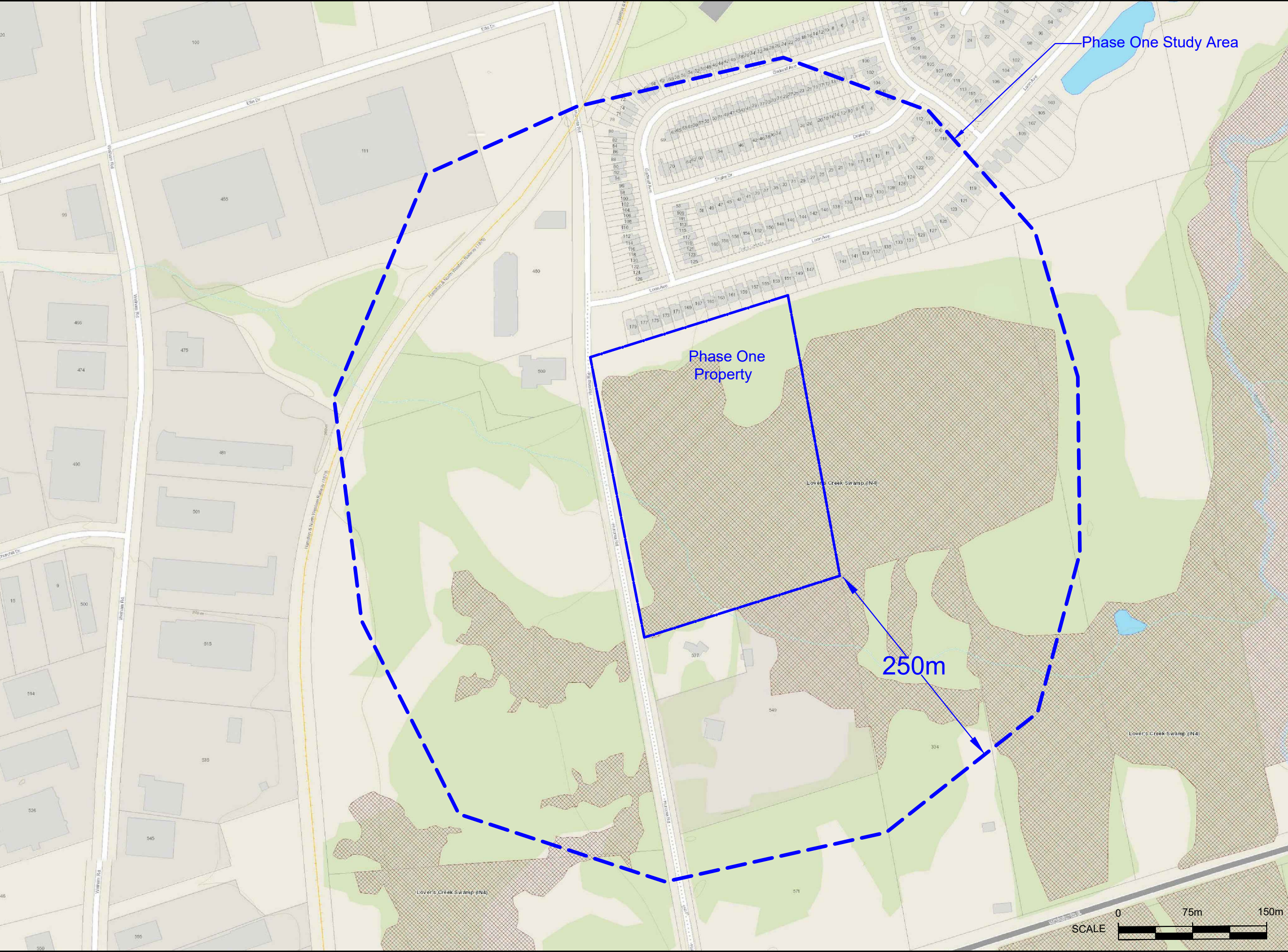
Reviewed By: SO

Date: September 2019

File No.: 3-19-0101-41

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Figure No.: 2





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Reference:
County of Simcoe - Wep Map

Notes:

Legend:

 Approximate Property Location

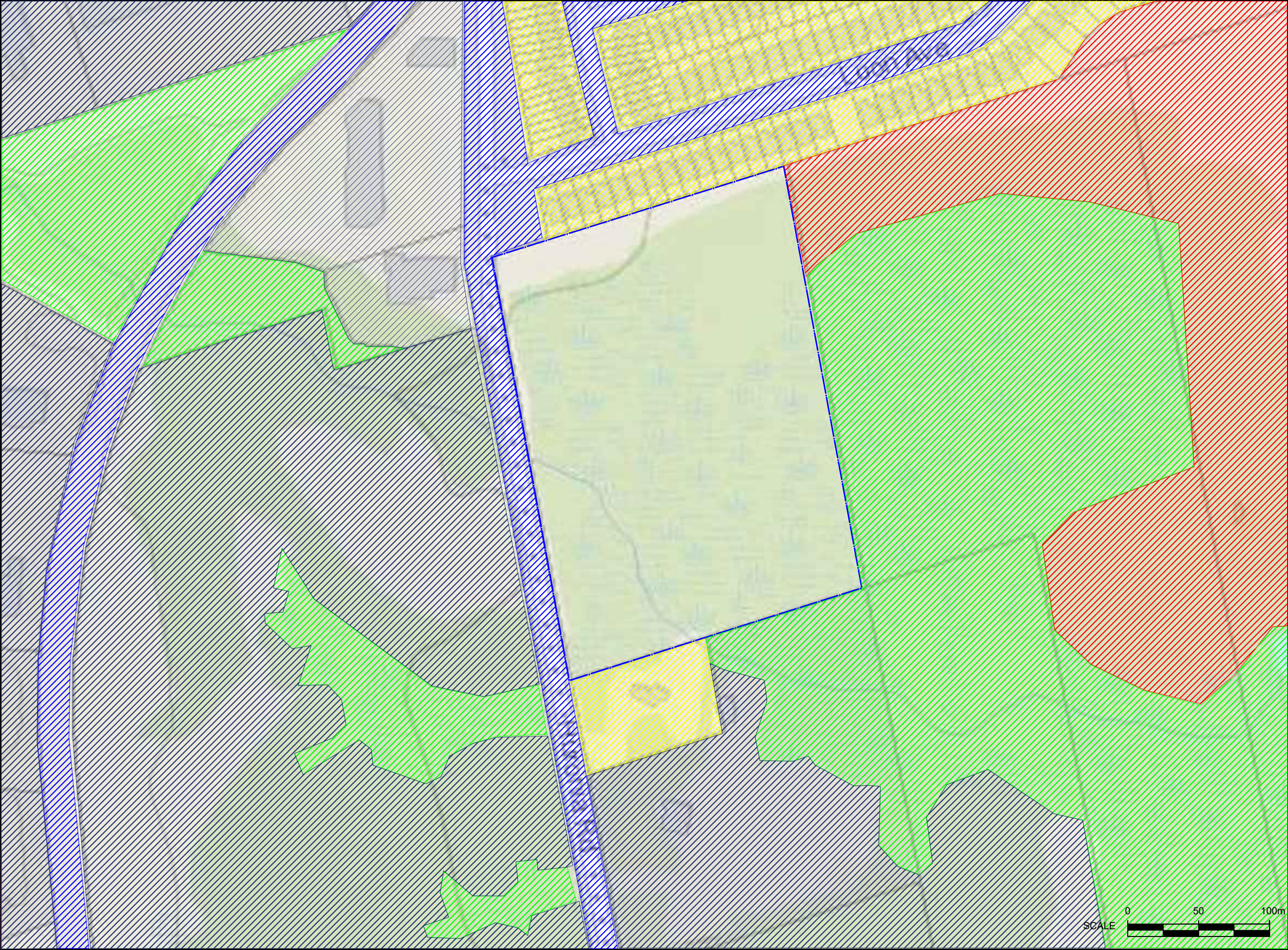
 Phase One Study Area, 250m

Project Title:
Phase One ESA

Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
PHASE ONE STUDY AREA

Designed By: MC	File No.: 3-19-0101-41
Drawn By: BH	Scale: As Shown
Reviewed By: SO	Figure No.: 3
Date: September 2019	





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Reference:
County of Simcoe - Wep Map

Notes:

Legend:

 Approximate Property Boundary

 Community

 Residential

 Industrial

 Environmental Protection Area

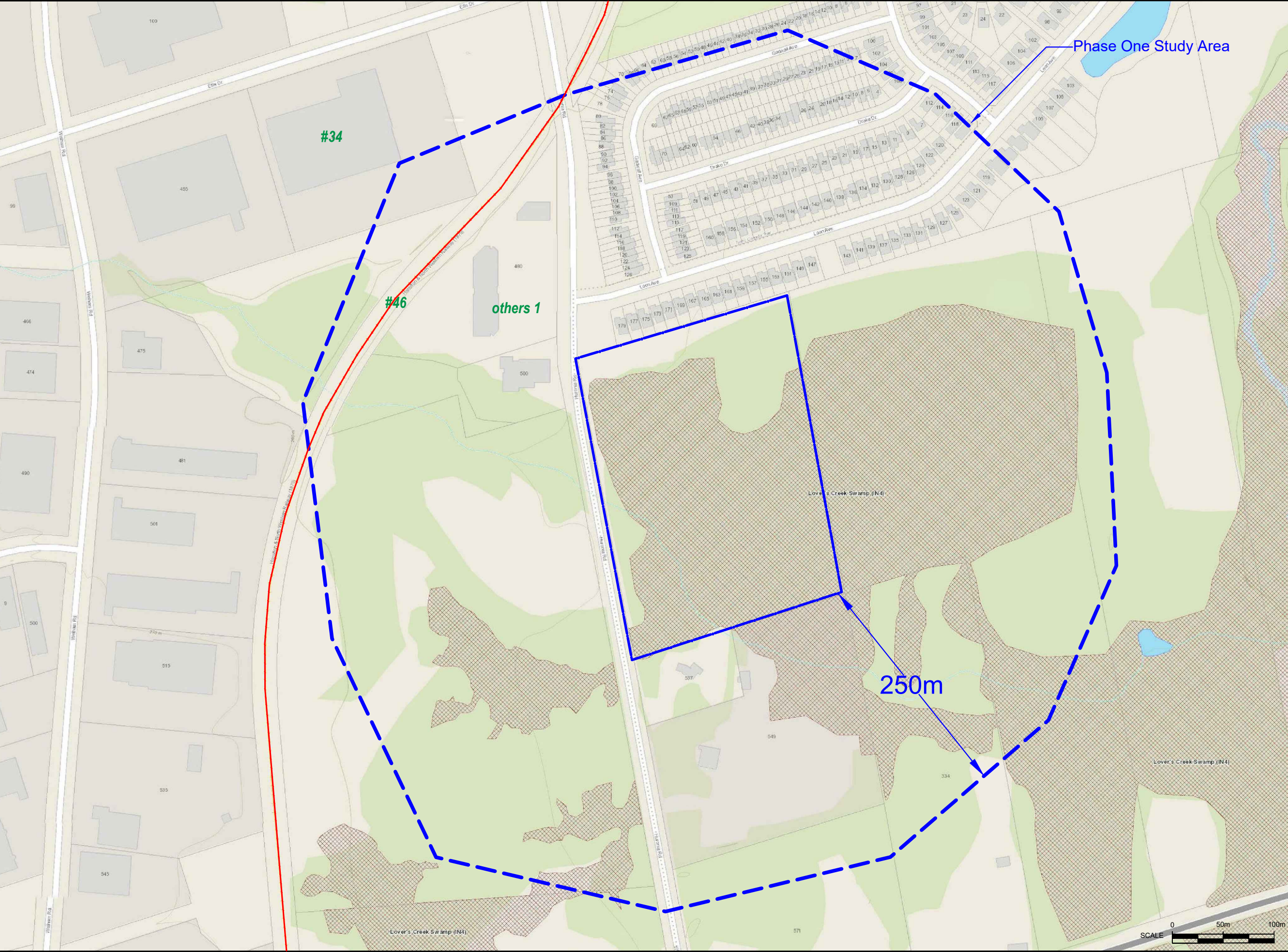
 Agricultural

Project Title:
Phase One ESA

Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
Adjacent Property Uses

Designed By: MC	File No.: 3-19-0101-41
Drawn By: BH	Scale: As Shown
Reviewed By: SO	Figure No.: 4
Date: September 2019	





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Reference:
County of Simcoe - Wep Map

Notes:

APEC - Area of Potential Environmental Concern
PCA - Potentially Contaminating Activity
RED - PCA causing APEC on Property
GREEN - PCA unlikely to affect Property

Legend:

— Approximate Property Location
- - - Phase One Study Area, 250m
#46 Rail Yards, Tracks and Spurs
#34 Metal Fabrication
others 1 O.Reg. 347

Project Title:
Phase One ESA

Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
PCA Locations

Designed By: MC	File No.: 3-19-0101-41
Drawn By: BH	Scale: As Shown
Reviewed By: SO	Figure No.: 5
Date: September 2019	

APPENDIX A

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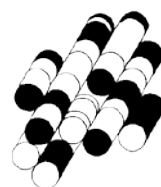


TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY
(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)
521 Huronia Road, Barrie

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2009 to Present	1424883 Ontario Inc.	Agricultural or Other		AP 2018: vacant land
2008 to 2009	Angela DI Biase, Maria Crescenzi, Anthony DI Biase			AP 2013: vacant land
2008 to 2008	Angela DI Biase			AP 2008: vacant land
1989 to 2008	Mario Maggiacomo, Alfredo Maggiacomo, Guisepppe Dibiase, Pasquale Dibiase			No other observations
1988 to 1989	Murray Learn			AP 2002: vacant land
1986 to 1988	Frank Kavalir (25%), Vladimir Sebanek, Sr (25%), Vladimir Sebanek, Jr (12.5%), Michael Svoboda (12.5%), George Pioklik (25%)			AP 1997: vacant land
1985 to 1986	Golden Pines Investmtnets Ltd.			AP 1989: vacant land
1984 to 1985	George W. Gibson, in trust			No other observations
1978 to 1984	Emgilon Holdings Limited			No other observations
1973 to 1978	Development Consultants International Ltd.			No other observations
1973 to 1973	Norricks Holdings Limited (Mortgagee)			No other observations
1973 to 1973	Twin-Win Investments Limited			No other observations
1972 to 1973	Norricks Holdings Limited (Mortgagee)			No other observations
1970 to 1972	Allan D. Lennox & Margaret E. Lennox			No other observations
1966 to 1970	Allan D. Lennox & Margaret E. Lennox			No other observations
1966 to 1966	Owen Jones			No other observations
1966 to 1966	Allan D. Lennox & Margaret E. Lennox			No other observations
1955 to 1966	The Director. The Veterans' Land Act			No other observations
1933 to 1955	William D. Lennox			AP 1954: vacant land
1909 to 1933	John Lennox			No other observations
1873 to 1909	Joseph Auggard			No other observations
1855 to 1873	Robert Cox			No other observations
1854 to 1855	Robert Simpson			No other observations
1835 to 1854	William Ward Custead			No other observations
1834 to 1835	John O'Rorke			No other observations
Prior to 1834	Crown			No other observations

Notes:

SI is satellite imagery

AP is aerial photograph

CD is city directory

FIP is fire insurance plan

HM is Historic Map

OBM is Ontario Base Map

For each owner, specify one of the following types of Property Use (as defined in O.Reg. 153/04) that applies:

Agriculture or Other, Commercial, Community, Industrial, Institutional, Parkland, Residential

APPENDIX B

TERRAPROBE INC.

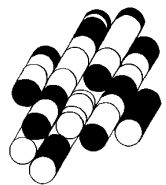


TABLE OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
		NO APEC's			

Notes:

1 - Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

(a) identification of past or present uses on, in or under the phase one property, and

(b) identification of potentially contaminating activity.

2 - Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

3 - when completing this column, identify all contaminants of potential concern using the Method Groups as identified in the

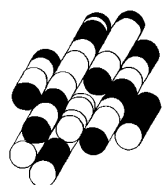
Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

ABNs	Metals
CPs	As, Sb, Se
1,4-Dioxane	Na
Dioxins/Furans, PCDDs/PCDFs	B-HWS
OCs	Cl-
PHCs	CN-
PCBs	Electrical Conductivity
PAHs	Cr (VI)
THMs	Hg
VOCs	Methyl Mercury
BTEX	Low or high pH,
Ca, Mg	SAR

4 - when submitting a record of site condition for filing, a copy of this table must be attached

APPENDIX C

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PHASE ONE CONCEPTUAL SITE MODEL

521 Huronia Road, Barrie, Ontario

Phase One CSM	Information Pertaining to Property
<i>Figures of the Phase One Study Area are provided that:</i>	
i. Show any existing buildings and structures,	Existing buildings and structures are shown on Figure 2.
ii. Identify and locate water bodies located in whole or in part on the Phase One Study Area	The closest water body to the Phase One Property is Lovers Creek, which is located approximately 450m to the east of the Property. All water bodies on the Phase One Property and in the Phase One Study Area are shown on Figure 1.
iii. Identify and locate any Areas of Natural Significance located in whole or in part on the Phase One Study Area	Terraprobe reviewed the Ontario Ministry of Natural Resources and Forestry NHIC database for natural area listings. No Areas of Natural Significance were located in the Phase One Study Area.
iv. Locate any drinking water wells at the Phase One Property	No drinking water wells were identified on the Property during the site inspection. One record of wells on the Property were found in the MOECC Water Well Information System (WWIS). Not found during site inspection, most likely decommissioned.
v. Show roads, including names, within the Phase One Study Area	The Property is bounded to the north by Loon Ave., south by Maplevue Drive East and west by Huronia Road. Other roads and properties within the Study Area are presented on Figure 3.
vi. Show use of properties adjacent to the Phase One Property	The Land Uses of the adjacent properties are shown on Figure 4.
vii. Identify and locate area where any potentially contaminating activity has occurred, and show tanks in such areas	Potentially Contaminating Activities (PCAs) located on the Property and within the Study Area are shown on Figure 5.
viii. Identify and locate any areas of potential environmental concern	No Areas of Potential Environmental Concern (APECs) were identified on the Property.
<i>The following is a description and assessment of:</i>	
i. Any areas where potentially contaminating activity on or potentially affecting the Phase One Property has occurred,	No PCAs were determined to likely cause and APEC on the Property.
ii. Any contaminants of potential concern	No Contaminants of Potential Concern (CoPCs) were identified for the Property.



Phase One CSM	Information Pertaining to Property
iii. The potential for underground utilities, if any present, to affect contaminant distribution and transport,	There are underground gas utilities on the Property. Utilities were currently present on the site at the time of the investigation. There is the potential for underground utilities to affect the horizontal distribution or transport of potential contaminants.
iv. Available regional or site specific geological and hydrogeological information,	Topography - The approximate elevation of the Property is 250 masl. Hydrogeology - The nearest water body is Lovers Creek, which is located approximately 450m to the east of the Property. The approximate depth to ground water, based on Water Well Records in the local area, is expected to be 4.0 m. Ground water and surface water is expected to flow to the southeast. Geology (overburden) The overburden consists of undifferentiated stone-poor, sandy silt to silty sand, textured till on Paleozoic terrain. Also, sand, gravel, minor silt and clay, foreshore and basinal deposits Geology (bedrock) The bedrock on the Property is of the Lindsay formation, which is comprised of limestone; nodular to black laminated. Geology (depth to bedrock) - Based upon historic borehole and water well information, the depth to bedrock in the area of the Property is beyond 105 m.
v. How any uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the model.	No uncertainty was encountered while conducting the Phase One ESA that could affect the validity of the model.

Figures:

Figure 1 – Phase One Property Location

Figure 2 – Phase One Property

Figure 3 – Phase One Study Area

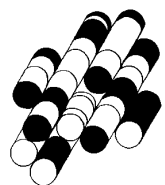
Figure 4 – Adjacent Property Land Uses

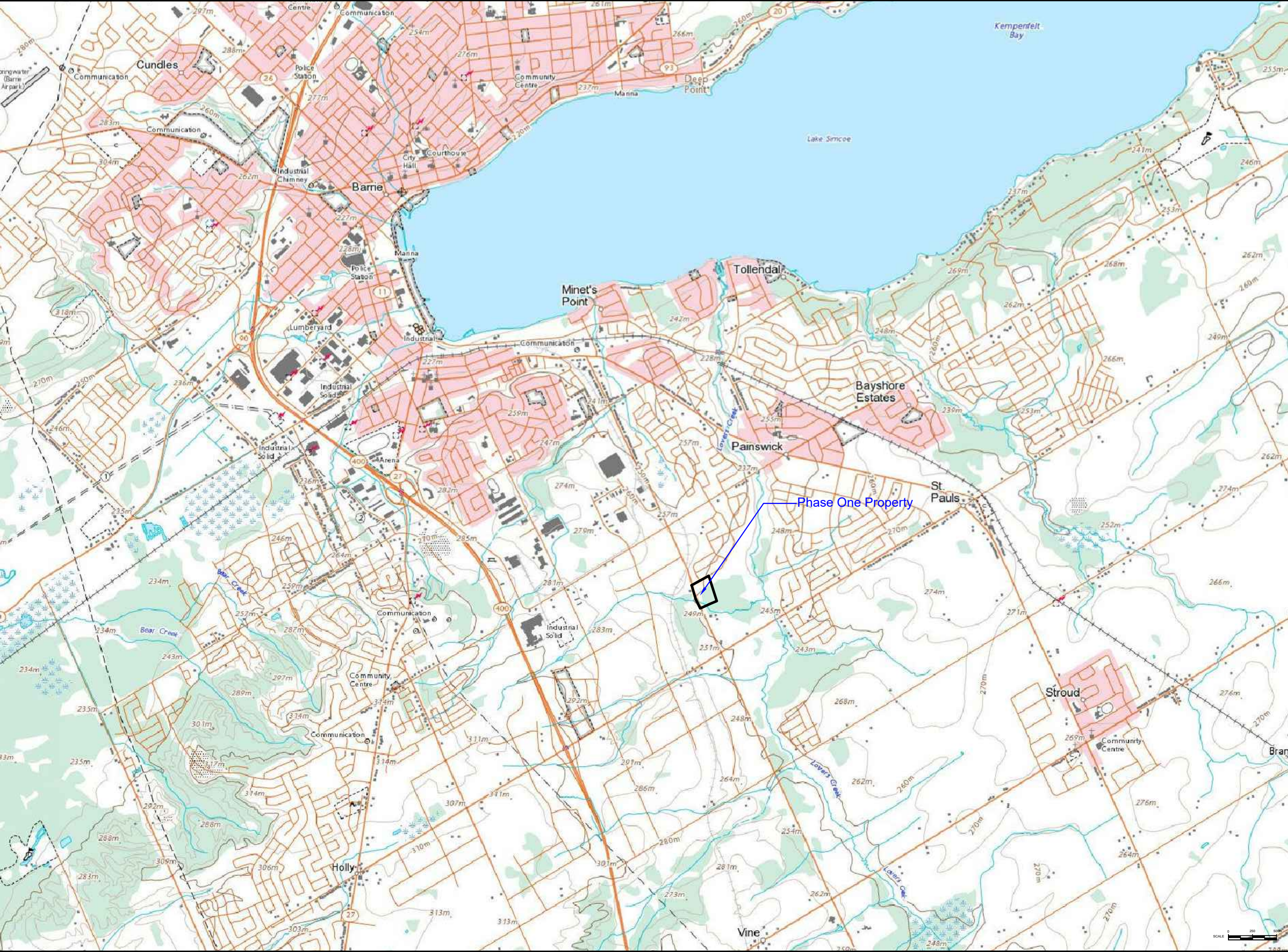
Figure 5 – PCA Locations



FIGURES

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Construction Materials, Inspection & Testing
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Reference:
County of Simcoe - Wep Map

Notes:

Legend:

Approximate Property Boundary

Project Title:
Phase One ESA

Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
PHASE ONE PROPERTY LOCATION

Designed By:
MC

Drawn By:
BH

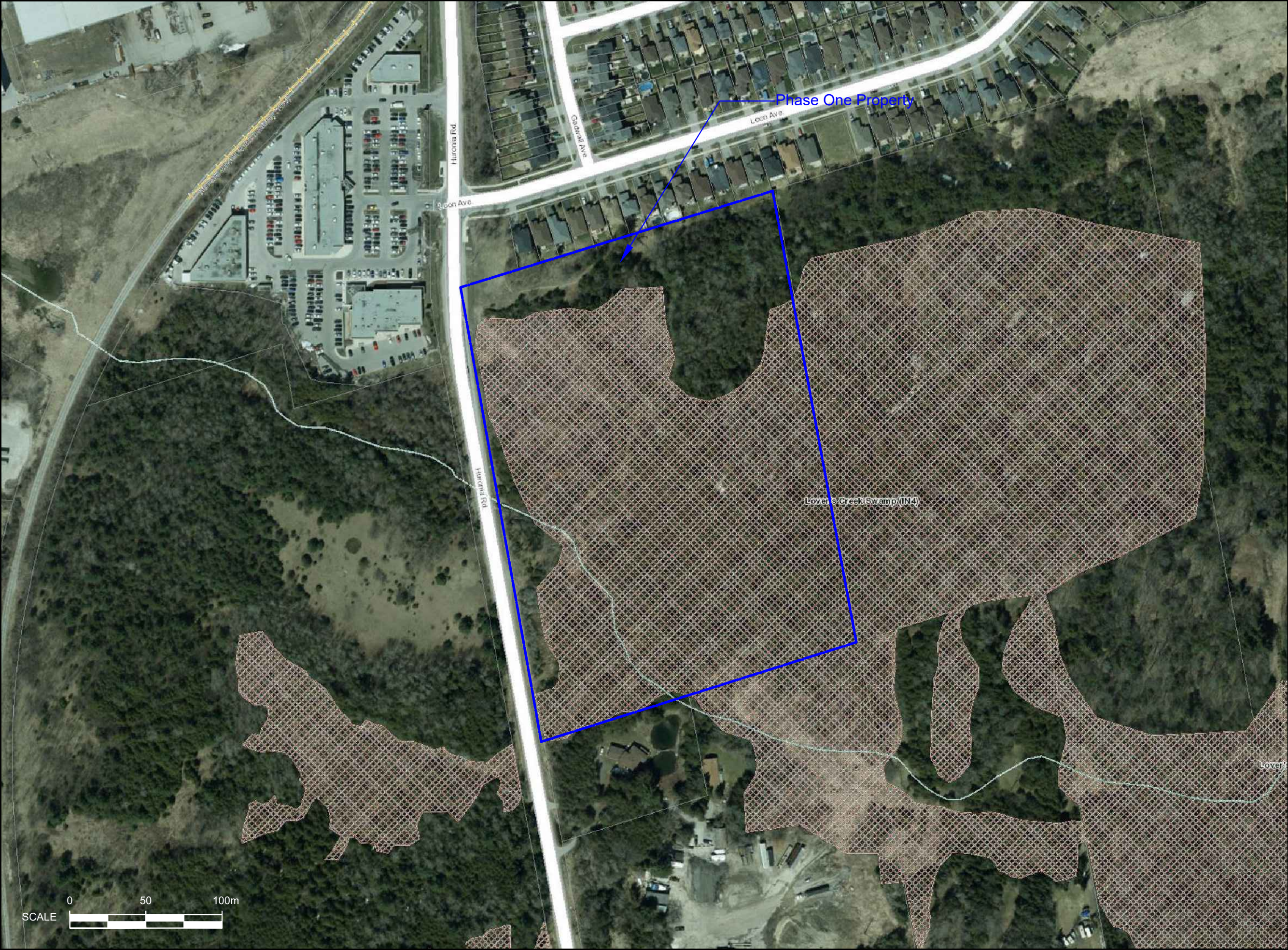
Reviewed By:
SO

Date:
September 2019

File No.:
3-19-0101-41

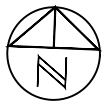
Scale:
As Shown

Figure No.:
1





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Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
220 Bayview Ave., Unit 25 - Barrie Ontario L4N 4Y8 (705) 739-8355



Reference:
County of Simcoe - Wep Map

Notes:

Legend:

 Approximate Property Boundary

Project Title:

Phase One ESA

Site Location:

521 HURONIA ROAD, BARRIE

Figure Title:

PHASE ONE PROPERTY

Designed By: MC

Drawn By: BH

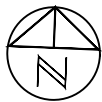
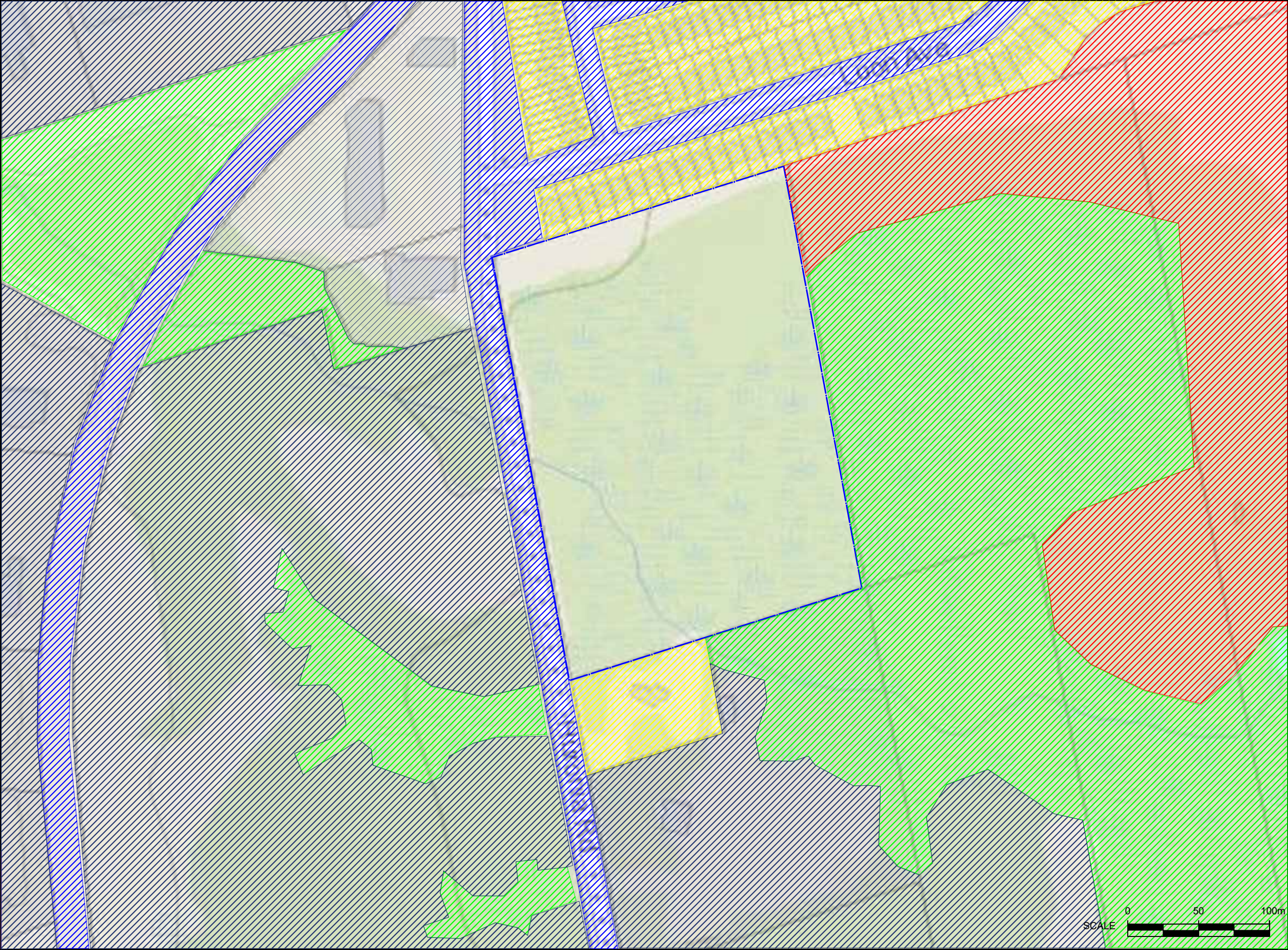
Reviewed By: SO

Date: September 2019

File No.: 3-19-0101-41

Scale: As Shown

Figure No.: 2



Reference:
County of Simcoe - Wep Map

Notes:

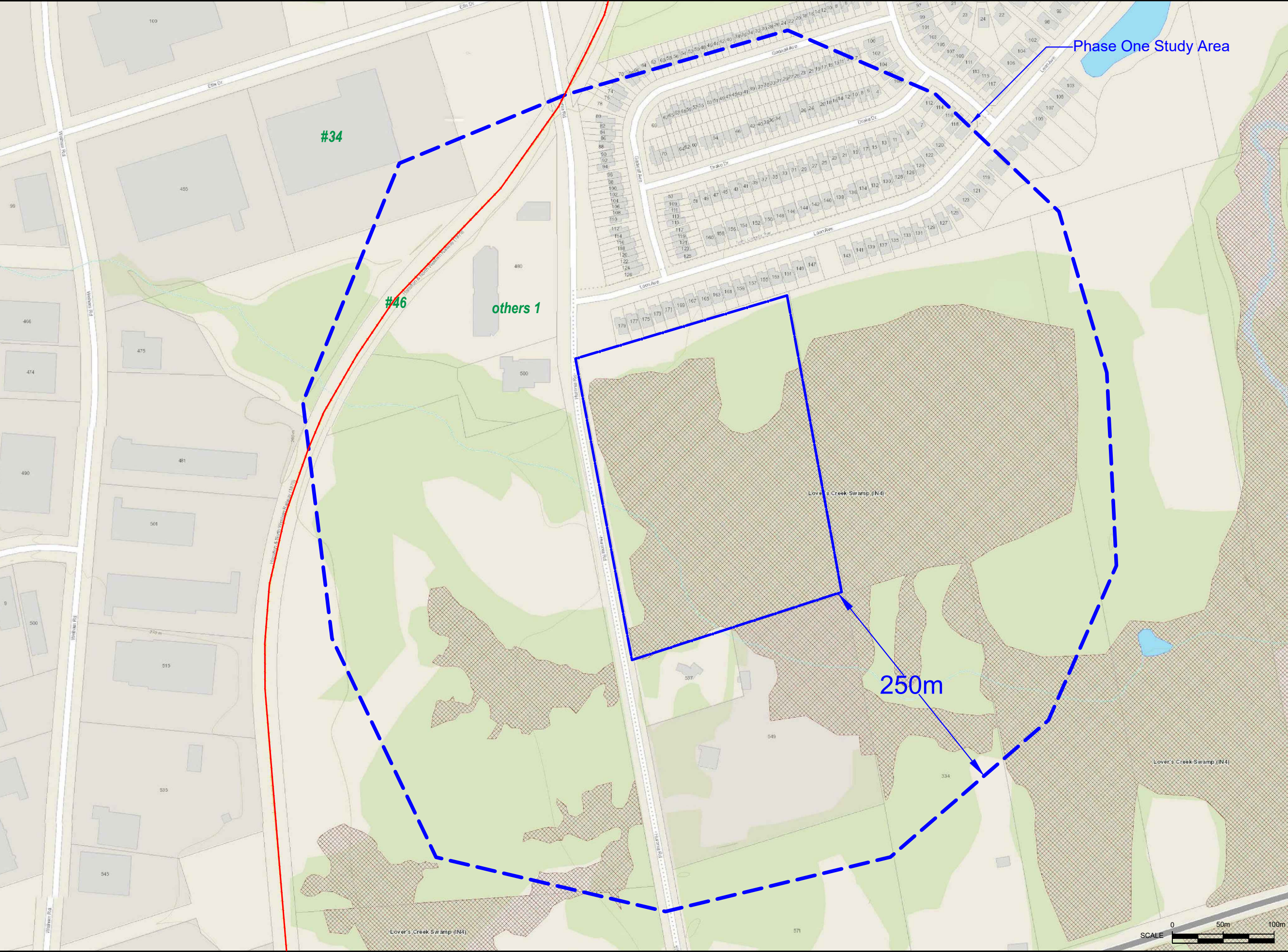
Legend:	
	Approximate Property Boundary
	Community
	Residential
	Industrial
	Environmental Protection Area
	Agricultural

Project Title:
Phase One ESA

Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
Adjacent Property Uses

Designed By: MC	File No.: 3-19-0101-41
Drawn By: BH	Scale: As Shown
Reviewed By: SO	Figure No.: 4
Date: September 2019	





Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
220 Bayview Ave., Unit 25 - Barrie Ontario L4N 4Y8 (705) 739-8355



Reference:
County of Simcoe - Wep Map

Notes:
APEC - Area of Potential Environmental Concern
PCA - Potentially Contaminating Activity
RED - PCA causing APEC on Property
GREEN - PCA unlikely to affect Property

Legend:
— Approximate Property Location
- - - Phase One Study Area, 250m
#46 Rail Yards, Tracks and Spurs
#34 Metal Fabrication
others 1 O.Reg. 347

Project Title:
Phase One ESA

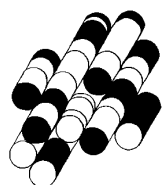
Site Location:
521 HURONIA ROAD, BARRIE

Figure Title:
PCA Locations

Designed By: MC	File No.: 3-19-0101-41
Drawn By: BH	Scale: As Shown
Reviewed By: SO	Figure No.: 5
Date: September 2019	

APPENDIX D

TERRAPROBE INC.





Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

3-19-0101-41

YEAR :

1954



Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

3-19-0101-41

YEAR :

1989



Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

3-19-0101-41

YEAR :

1997



Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

3-19-0101-41

YEAR :

2002



Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

3-19-0101-41

YEAR :

2008



Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

3-19-0101-41

YEAR :

2013



Terraprobe

220 Bayview Drive, Barrie, Ontario, L4N 4Y8
Tel: (705) 739-8355 Fax: (705) 739-8369

Title:

AERIAL PHOTOGRAPHS

File No.

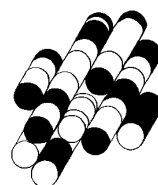
3-19-0101-41

YEAR :

2018

APPENDIX E

TERRAPROBE INC.





Photograph 1

Location: Phase One Property
Viewing: South
Description: View of Lovers Creek Swamp



Photograph 2

Location: Phase One Property
Viewing: South
Description: View of Forested Area and Woodlands



Photograph 3

Location: West of Phase One Property
Viewing: West
Description: View of adjacent light industrial land





Photograph 4

Location: North of Phase One Property
Viewing: South
Description: View of fire hydrant, sanitary manhole and residential homes north of phase one property



Photograph 5

Location: Northwest of Phase One Property
Viewing: Southeast
Description: View of Huronia Road and Loon Ave intersection. Also, along the west side of Huronia is a ditch/culvert.



Photograph 6

Location: Phase One Property
Viewing: Southeast
Description: Lovers creek stream trending west/east





Photograph 7

Location: Phase One Property

Viewing: West

Description: View of wetland



Photograph 8

Location: Phase One Property

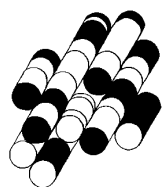
Viewing: East

Description: View of flagged underground
gas utility



APPENDIX F

TERRAPROBE INC.



ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property: *521 Huronia Road, Barrie, ON*
Report Type: *City Directory*
Order No: *20190912190*
Information Source: *Vernon's Barrie, Ontario City Directory*
Date Completed: *17/09/2019*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

City Directory Information Source
Vernon's Barrie, Ontario City Directory

PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1998/99	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Huronia Road (450-550)	-All Residential 549 – Mills Excavation
Drake Drive (1-75)	-Street Not Listed
Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	105 – Residential (1 Tenant)
Welham Road (481-515 odd)	481 – Esso Home Comfort -Natures Now Bakery -A T P Technologies (Ont) LTD -Porter & Debes Inc

	-Streamline Health and Fitness Centre 511 – Price Group Wiping Supplies -Sous Vide Canada LTD -Classic Ceramics & Giftware -Prism Machinery LTD -M S M Machine & Design LTD -Supreme Countertops LTD -Trillium Office Supply -Magnetsigns North -The Chef's Table -Georgian Bay Martial Arts Schools -Denn America -K A S Personnel Services 515 – Bateman Manufacturing
--	---

PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1993/94	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Huronia Road (450-550)	-All Residential

Drake Drive (1-75)	-Street Not Listed
Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	-Street Not Listed
Welham Road (481-515 odd)	481 – Delorme Equipemnt -A & A Industrial Enterprises -Gotz Custom Canvas 511 – M S M Machine & Design LTD -Deli-iciouss -Shel-Save Wiping Supplies Inc -Canadian Institutional Textile Co LTD -Mainly Ceramics -Hayes-Dana Inc -N T M Tool & Machine LTD -Innovative Automation Inc 515 – Rantex Brushes LTD

PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1989	
Site Listing:	-Address Not Listed

Adjacent Properties:	
Huronia Road (450-550)	-All Residential
Drake Drive (1-75)	-Street Not Listed
Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	-Street Not Listed
Welham Road (481-515 odd)	511 – Canadian Compact of Simcoe -Deli-iciouss -Ward R S Manufacturing -Sunlight Solarium Home Centre LTD -Cubex Inc -Century Ballast Inc -Wodnerlites Inc -Image Display Co LTD

PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1982	
Site Listing:	-Address Not Listed

Adjacent Properties:	
Huronia Road (450-550)	500 – Vacant
Drake Drive (1-75)	-Street Not Listed
Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	-Street Not Listed
Welham Road (481-515 odd)	-No Listings Within Radius

PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1974	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Huronia Road (450-550)	-Street Not Listed
Drake Drive (1-75)	-Street Not Listed

Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	-Street Not Listed
Welham Road (481-515 odd)	-Street Not Listed

PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1966	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Huronia Road (450-550)	-Street Not Listed
Drake Drive (1-75)	-Street Not Listed
Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	-Street Not Listed
Welham Road (481-515 odd)	-Street Not Listed

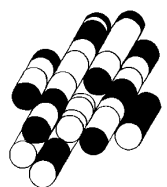
PROJECT NUMBER: 20190912190	
Site Address:	521 Huronia Road, Barrie, ON
Year: 1961	
Site Listing:	-Street Not Listed
Adjacent Properties:	
Huronia Road (450-550)	-Street Not Listed
Drake Drive (1-75)	-Street Not Listed
Gladwall Avenue (35-125)	-Street Not Listed
Loon Avenue (100-180)	-Street Not Listed
Welham Road (481-515 odd)	-Street Not Listed

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

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

APPENDIX G

TERRAPROBE INC.



CHAIN OF TITLE REPORT

Project # 3-19-0101-41
Address: 521 Huronia Road, Barrie
Legal Part w1/2 Lot 11 Con 12 Innisfil
Description: Being Parts 1 & 2 Plan 51R18522

PIN# 58737-0626 (LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	01 12 1834	Crown	John O'RORKE
1279	Deed	20 05 1835	John O'Rorke	William Ward CUSTEAD
14542	Deed	04 08 1854	William Ward Custead	Robert SIMPSON
16576	Deed	14 07 1855	Robert Simpson	Robert COX
72516	Deed	02 06 1873	Robert Cox	Joseph AUGGARD
9009	Deed	30 10 1909	Joseph Auggard	John LENNOX
1370	Deed	30 03 1933	John Lennox	William D. LENNOX
37049	Deed (NW 1/4 Lot 11)	03 10 1955	William D. Lennox	The Director. The Veterans' Land Act
225383	Deed (Pt S1/2 Lot 11)	13 07 1966	William Lennox	Allan D. LENNOX & Margaret E. LENNOX

CHAIN OF TITLE REPORT

Project # 3-19-0101-41
Address: 521 Huronia Road, Barrie
Legal Part w1/2 Lot 11 Con 12 Innisfil
Description: Being Parts 1 & 2 Plan 51R18522

PIN# 58737-0626 (LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
234730	Deed (Pt S1/2 Lot 11)	06 12 1966	Allan D. Lennox & Margaret E. Lennox	Owen JONES
234731	Deed	06 12 1966	Owen Jones	Allan D. LENNOX & Margaret E. LENNOX
332341	Deed	02 07 1970	The Director, The Veterans' Land Act	Allan D. LENNOX & Margaret E. LENNOX
414971	Deed	30 11 1972	Allan D. Lennox & Margaret E. Lennox	Norrick Holdings Limited
421757	Deed	16 02 1973	Norrick Holdings Limited	Twin-Win Investments Limited
421753	Mortgage	16 02 1973	Twin-Win Investments Limited	Norrick Holdings Limited (Mortgagee)
438435	Deed	04 07 1973	Twin-Win Investments Limited	Development Consultants International Ltd.
656185	Deed	08 11 1978	Development Consultants International Ltd.	Emgilon Holdings Limited
831739	Deed (Power of Sale)	07 07 1984	Norrick Holdings Limited (Emgilon Holdings Limited defaulted in Mtg 421753)	George W. GIBSON, in trust

CHAIN OF TITLE REPORT

Project # 3-19-0101-41
Address: 521 Huronia Road, Barrie
Legal Part w1/2 Lot 11 Con 12 Innisfil
Description: Being Parts 1 & 2 Plan 51R18522

PIN# 58737-0626 (LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
860886	Deed	24 04 1985	George W. Gibson, in trust	Golden Pines Investments Ltd.
908948	Deed	02 07 1986	Golden Pines Investments Ltd.	Frank KAVALIR - 25% Vladimir SEBANEK, Sr. - 25% Vladimir SEBANEK, Jr. - 12 1/2% Michael SVOBODA - 12 1/2% George PIOKLIK - 25%
1011435	Deed	11 07 1988	Frank Kavalir, etal	Murray LEARN
RO1057496	Deed	10 05 1989	Murray Learn	Mario MAGGIACOMO Alfredo MAGGIACOMO Guiseppe DIBIASE Pasquale DIBIASE
SC656733	Deed	20 06 2008	Guiseppe Dibiasse - Estate	Angela DI BIASE
SC656734	Deed	20 06 2008	Angela Di Biase	Angela DI BIASE Maria CRESCENZI Anthony DI BIASE
SC745090	Deed (Present Owner)	24 06 2009	Maria Crescenzi, Angela Di Biase, Anthony Di Biase, Pasquale Dibiasse, Alfredo Maggiacomo & Mario Maggiacomo	1424883 Ontario Inc.

PROPERTY DESCRIPTION: PT W1/2 LT 11 CON 12 INNISFIL BEING PTS 1 & 2 PL 51R18522; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58737-1676

PIN_CREATION_DATE:
2002/01/28

OWNERS' NAMES
1424883 ONTARIO INC.

CAPACITY SHARE
ROWN

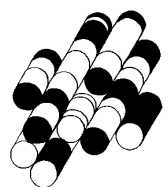
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2002/01/25 ** **SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO: ** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * ** AND ESCHEATS OR FORFEITURE TO THE CROWN. ** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF ** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY ** CONVENTION. ** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES. **DATE OF CONVERSION TO LAND TITLES: 2002/01/28 **						
51R18522	1989/02/10	PLAN REFERENCE				C
RO1057496	1989/05/10	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	MAGGIACOMO, MARIO MAGGIACOMO, ALFREDO DIBIASE, GUISEPPE DIBIASE, PASQUALE	
SC656733	2008/06/20	TRANSMISSION-LAND		*** COMPLETELY DELETED *** DIBIASE, GUISEPPE	DI BIASE, ANGELA DIBIASE, GUISEPPE - ESTATE	
SC656734	2008/06/20	TRANS PERSONAL REP		*** COMPLETELY DELETED *** DI BIASE, ANGELA	DI BIASE, ANGELA CRESCENZI, MARIA DI BIASE, ANTHONY	
SC745090	2009/06/24	TRANSFER	\$725,000	CRESCENZI, MARIA DI BIASE, ANGELA	1424883 ONTARIO INC.	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: PLANNING ACT STATEMENTS						
SC745091	2009/06/24	CHARGE	\$250,000	DI BIASE, ANTHONY DIBIASE, PASQUALE MAGGIACOMO, ALFREDO MAGGIACOMO, MARIO 1424883 ONTARIO INC.	CIARDULLO, LUIGI CIARDULLO, SANTINA	C

APPENDIX H

TERRAPROBE INC.





DATABASE **REPORT**

Project Property:	<i>521 Huronia Road, Barrie 521 Huronia Road, Barrie Barrie ON L4N 8X3</i>
Project No:	<i>3-19-0101-41</i>
Report Type:	<i>RSC Report - Quote</i>
Order No:	<i>20190912190</i>
Requested by:	<i>Terraprobe Ltd.</i>
Date Completed:	<i>September 17, 2019</i>

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Executive Summary

Property Information:

Project Property: 521 Huronia Road, Barrie
521 Huronia Road, Barrie Barrie ON L4N 8X3

Project No: 3-19-0101-41

Order Information:

Order No: 20190912190
Date Requested: September 12, 2019
Requested by: Terraprobe Ltd.
Report Type: RSC Report - Quote

Historical/Products:

City Directory Search CD - Subject Site plus 250m Radius
Topographic Map RSC Maps

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	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	4	4
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	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
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	4	4
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	3	4
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 TSSA Expired 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
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	50	50
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
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
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	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	1	1
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA 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	1	3	4
Total:			2	65	67

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<u>1</u>	EHS		Lot 11 Huronia Rd Barrie ON	-/0.0	-0.20	<u>23</u>
<u>2</u>	WWIS		lot 11 con 12 ON	-/0.0	0.65	<u>23</u>
			Well ID: 5711981			

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	WWIS		lot 11 con 12 ON Well ID: 5711980	WSW/17.5	1.95	<u>27</u>
<u>4</u>	GEN	Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON	WNW/41.6	6.18	<u>32</u>
<u>4</u>	GEN	Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	WNW/41.6	6.18	<u>32</u>
<u>4</u>	GEN	Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	WNW/41.6	6.18	<u>32</u>
<u>4</u>	GEN	Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	WNW/41.6	6.18	<u>33</u>
<u>4</u>	GEN	Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	WNW/41.6	6.18	<u>33</u>
<u>4</u>	GEN	Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	WNW/41.6	6.18	<u>33</u>
<u>5</u>	CA	The Corporation of the City of Barrie	490 Huronia Rd Barrie ON L4N 6M2	NW/45.4	7.67	<u>33</u>
<u>5</u>	ECA	The Corporation of the City of Barrie	490 Huronia Rd Barrie ON L4M 4T5	NW/45.4	7.67	<u>34</u>
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	NW/45.4	7.67	<u>34</u>
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	NW/45.4	7.67	<u>34</u>
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	NW/45.4	7.67	<u>35</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON	NW/45.4	7.67	<u>35</u>
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	NW/45.4	7.67	<u>35</u>
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON	NW/45.4	7.67	<u>36</u>
<u>5</u>	GEN	Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	NW/45.4	7.67	<u>36</u>
<u>6</u>	CA	HIDDEN GLEN DEVELOPMENTS INC.	LOON AVE./GADWALL AVE. BARRIE CITY ON	NNW/49.3	3.86	<u>36</u>
<u>7</u>	WWIS		Barrie ON Well ID: 7158673	WNW/58.7	7.67	<u>36</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>38</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>38</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>39</u>
<u>8</u>	GEN	Tracy Wiersema Pharmacy Ltd.	480 HURONIA ROAD BARRIE ON L4N 6M2	NW/102.2	9.29	<u>39</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>39</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>40</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>40</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>40</u>
<u>8</u>	GEN	South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>41</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>41</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>41</u>
<u>8</u>	GEN	South Barrie Family Medicine	202-480 Huronia Road Barrie ON	NW/102.2	9.29	<u>42</u>
<u>8</u>	GEN	South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>42</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON	NW/102.2	9.29	<u>42</u>
<u>8</u>	GEN	Tracy Wiersema Pharmacy Ltd.	480 HURONIA ROAD BARRIE ON L4N 6M2	NW/102.2	9.29	<u>43</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>43</u>
<u>8</u>	GEN	INVIVA,McKesson Pharmacare Corporation	480 Huronia Road Barrie ON L4N 8Z1	NW/102.2	9.29	<u>43</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>44</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>44</u>
<u>8</u>	GEN	INVIVA,McKesson Pharmacare Corporation	480 Huronia Road Barrie ON L4N 8Z1	NW/102.2	9.29	<u>44</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>44</u>
<u>8</u>	GEN	Tracy Wiersema Pharmacy Ltd.	480 HURONIA ROAD BARRIE ON L4N 6M2	NW/102.2	9.29	<u>45</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>45</u>
<u>8</u>	GEN	South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>45</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>46</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON	NW/102.2	9.29	<u>46</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>46</u>
<u>8</u>	GEN	South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>47</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>47</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	480 Huronia Road, Unit #102 Barrie ON	NW/102.2	9.29	<u>47</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>47</u>
<u>8</u>	GEN	Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	NW/102.2	9.29	<u>48</u>
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON	NW/102.2	9.29	<u>48</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	GEN	Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	NW/102.2	9.29	<u>48</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>49</u>
<u>8</u>	GEN	South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>49</u>
<u>8</u>	GEN	Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	NW/102.2	9.29	<u>49</u>
<u>9</u>	WWIS		lot 10 con 12 ON Well ID: 5701453	WNW/109.9	9.64	<u>49</u>
<u>10</u>	ECA	Royal York Apartments of London Limited	Loon Avenue Barrie ON M3A 5Z8	NE/112.1	-2.90	<u>52</u>
<u>10</u>	ECA	Royal York Apartments of London Limited	Loon Avenue Barrie ON M3A 5Z8	NE/112.1	-2.90	<u>52</u>
<u>11</u>	EHS		549 Huronia Road Barrie ON L4N 8X3	SSE/126.7	-3.00	<u>53</u>
<u>12</u>	EHS		not assigned Barrie ON	WNW/127.3	8.00	<u>53</u>
<u>13</u>	CA	Jennifer Theresa Day	21 Gadwall Ave Barrie ON L4N 8X6	NNE/227.3	4.59	<u>53</u>
<u>13</u>	ECA	Jennifer Theresa Day	21 Gadwall Ave Barrie ON L4N 8X6	NNE/227.3	4.59	<u>53</u>
<u>14</u>	CA	HIDDEN GLEN DEVELOPMENTS INC.	LOON AVE/WIDGEON ST/GADWALL AV BARRIE CITY ON	NE/248.7	-2.05	<u>54</u>
<u>15</u>	EHS		571 Huronia Rd Barrie ON L4N8X3	SSE/299.4	-0.08	<u>54</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
16	SCT	Jebco Industries Inc.	111 Elis Drive Barrie ON L4N 8Z6	NW/300.0	17.03	54

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 4 CA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the City of Barrie	490 Huronia Rd Barrie ON L4N 6M2	45.4	<u>5</u>
HIDDEN GLEN DEVELOPMENTS INC.	LOON AVE./GADWALL AVE. BARRIE CITY ON	49.3	<u>6</u>
Jennifer Theresa Day	21 Gadwall Ave Barrie ON L4N 8X6	227.3	<u>13</u>
HIDDEN GLEN DEVELOPMENTS INC.	LOON AVE/WIDGEON ST/GADWALL AV BARRIE CITY ON	248.7	<u>14</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Aug 31, 2019 has found that there are 4 ECA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the City of Barrie	490 Huronia Rd Barrie ON L4M 4T5	45.4	<u>5</u>
Royal York Apartments of London Limited	Loon Avenue Barrie ON M3A 5Z8	112.1	<u>10</u>
Royal York Apartments of London Limited	Loon Avenue Barrie ON M3A 5Z8	112.1	<u>10</u>
Jennifer Theresa Day	21 Gadwall Ave Barrie ON L4N 8X6	227.3	<u>13</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2019 has found that there are 4 EHS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Lot 11 Huronia Rd Barrie ON	0.0	<u>1</u>
	549 Huronia Road Barrie ON L4N 8X3	126.7	<u>11</u>
	not assigned Barrie ON	127.3	<u>12</u>
	571 Huronia Rd Barrie ON L4N8X3	299.4	<u>15</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2019 has found that there are 50 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON	41.6	<u>4</u>
Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	41.6	<u>4</u>
Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	41.6	<u>4</u>
Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	41.6	<u>4</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	41.6	<u>4</u>
Canadian Food Inspection Agency	500 Huronia Road Unit 103 Barrie ON L4N 8X3	41.6	<u>4</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	45.4	<u>5</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	45.4	<u>5</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	45.4	<u>5</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON	45.4	<u>5</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	45.4	<u>5</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON	45.4	<u>5</u>
Barrie Community Health Centre	490 Huronia Road Barrie ON L4N 6M2	45.4	<u>5</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
Tracy Wiersema Pharmacy Ltd.	480 HURONIA ROAD BARRIE ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
South Barrie Family Medicine	202-480 Huronia Road Barrie ON	102.2	<u>8</u>
South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON	102.2	<u>8</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Tracy Wiersema Pharmacy Ltd.	480 HURONIA ROAD BARRIE ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
INVIVA, McKesson Pharmacare Corporation	480 Huronia Road Barrie ON L4N 8Z1	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
INVIVA, McKesson Pharmacare Corporation	480 Huronia Road Barrie ON L4N 8Z1	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>
Tracy Wiersema Pharmacy Ltd.	480 HURONIA ROAD BARRIE ON L4N 6M2	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>
South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>
South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	480 Huronia Road, Unit #102 Barrie ON	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Barrie Chronic Pain Clinic	480 Huronia Road, Suite 204 Barrie ON L4N 6M2	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON	102.2	<u>8</u>
Eagle Ridge Family Health Centre	480 Huronia Road, Unit 203 Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
South Barrie Family Medicine	202-480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>
Huronia Urgent Care Clinic	102 - 480 Huronia Road Barrie ON L4N 6M2	102.2	<u>8</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Jebco Industries Inc.	111 Elis Drive Barrie ON L4N 8Z6	300.0	<u>16</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 4 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 12 ON <i>Well ID: 5711981</i>	0.0	<u>2</u>
	lot 11 con 12 ON <i>Well ID: 5711980</i>	17.5	<u>3</u>
	Barrie ON <i>Well ID: 7158673</i>	58.7	<u>7</u>
	lot 10 con 12 ON <i>Well ID: 5701453</i>	109.9	<u>9</u>

79°40'W

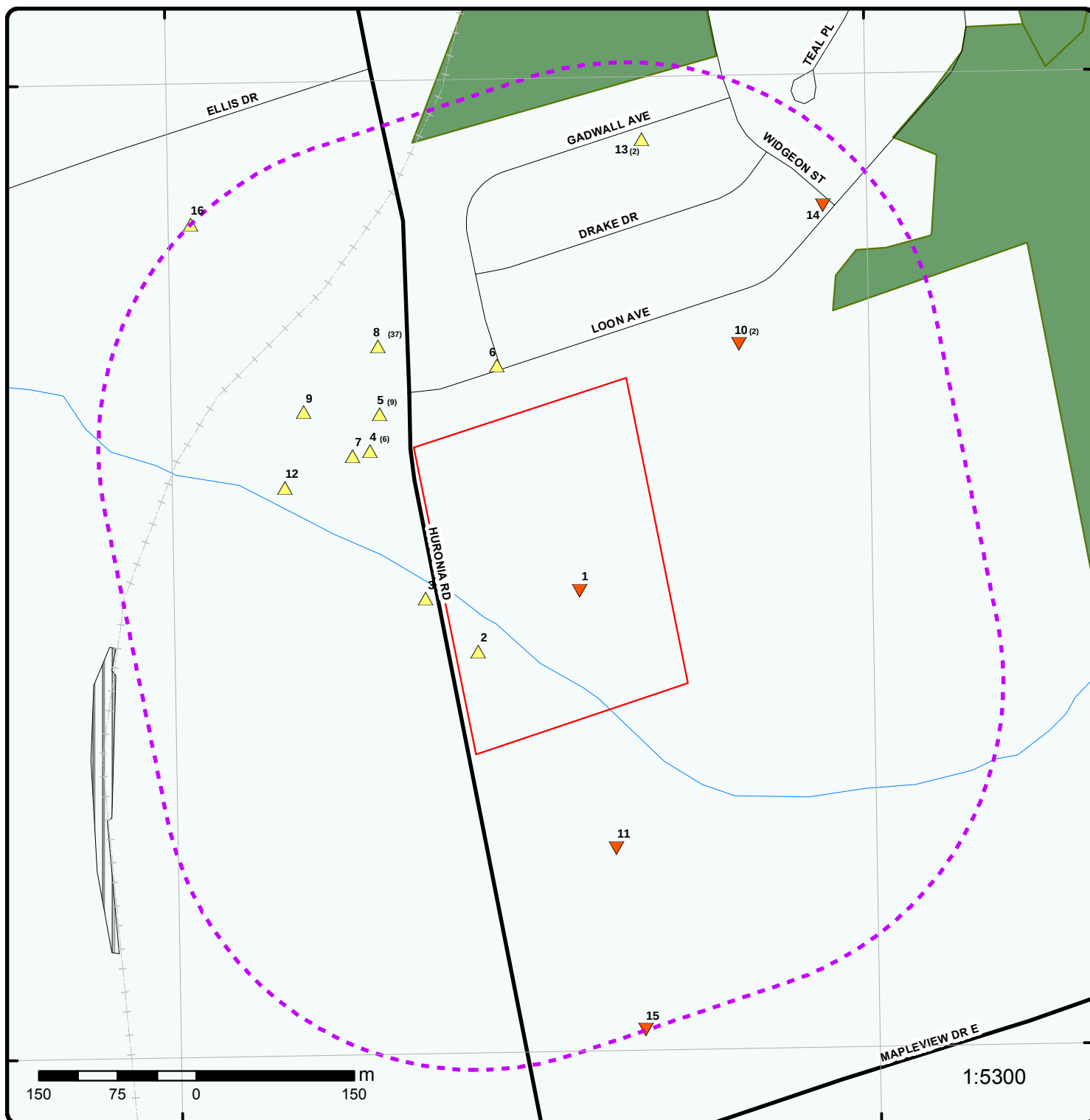
79°39'30"W

44°21'N

44°21'N

44°20'30"N

44°20'30"N



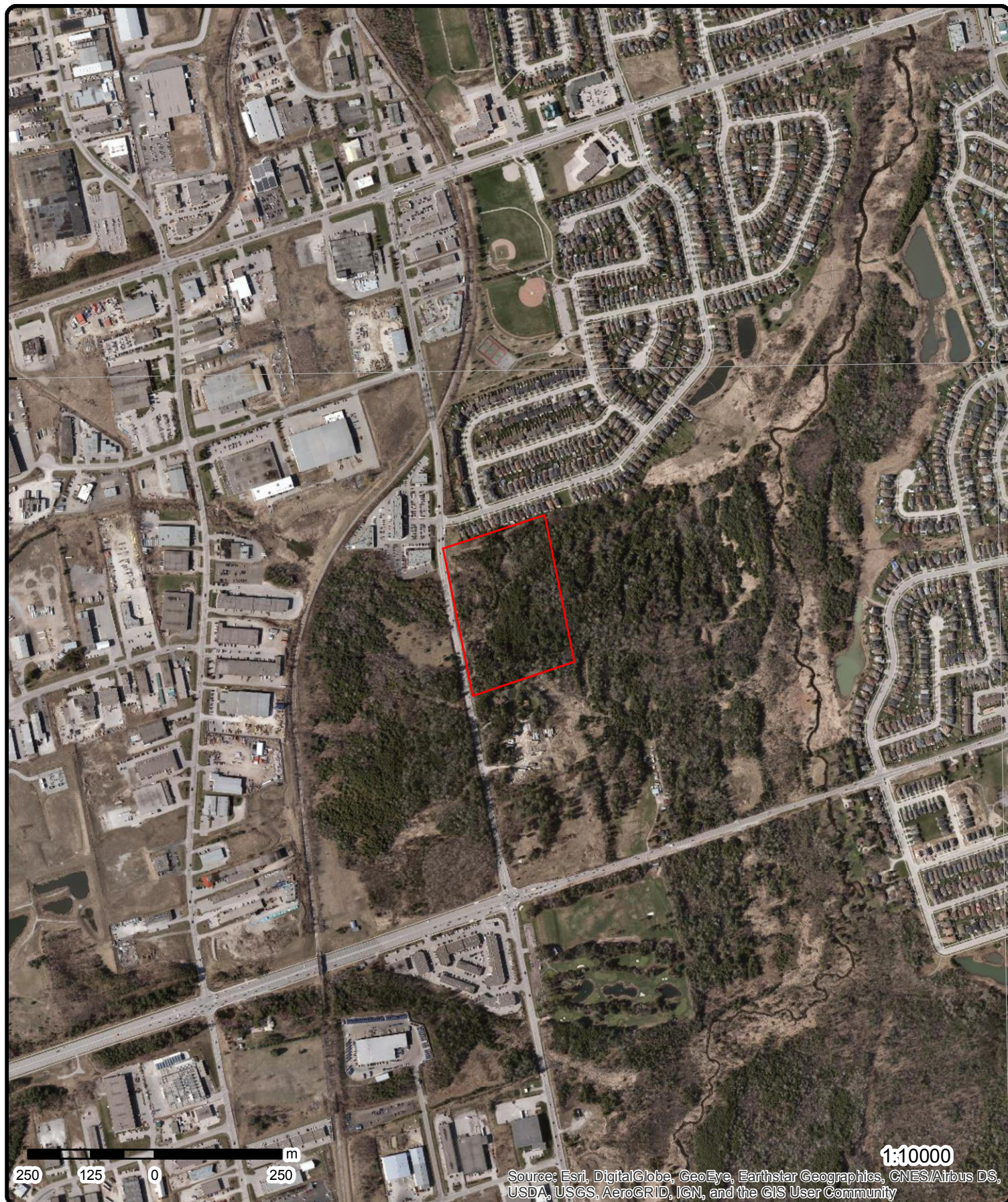
Map : 0.3 Kilometer Radius

Order No: 20190912190

Address: 521 Huronia Road, Barrie, Barrie, ON, L4N 8X3



Expressway	Industrial and Resource - Regions	National Park
Principal Highway	Main Line	Provincial or Territorial Park
Secondary Highway	Sidetrack	Other Park
Major Road	Transit Line	Golf Course or Driving Range
Local road	Abandoned Line	Park or Sports Field
Trail		Other Recreation Area
Proposed Road		
Ferry Route/Ice Road		



Aerial (2016)

Address: 521 Huronia Road, Barrie, Barrie, ON, L4N 8X3

Source: ESRI World Imagery

Order No: 20190912190



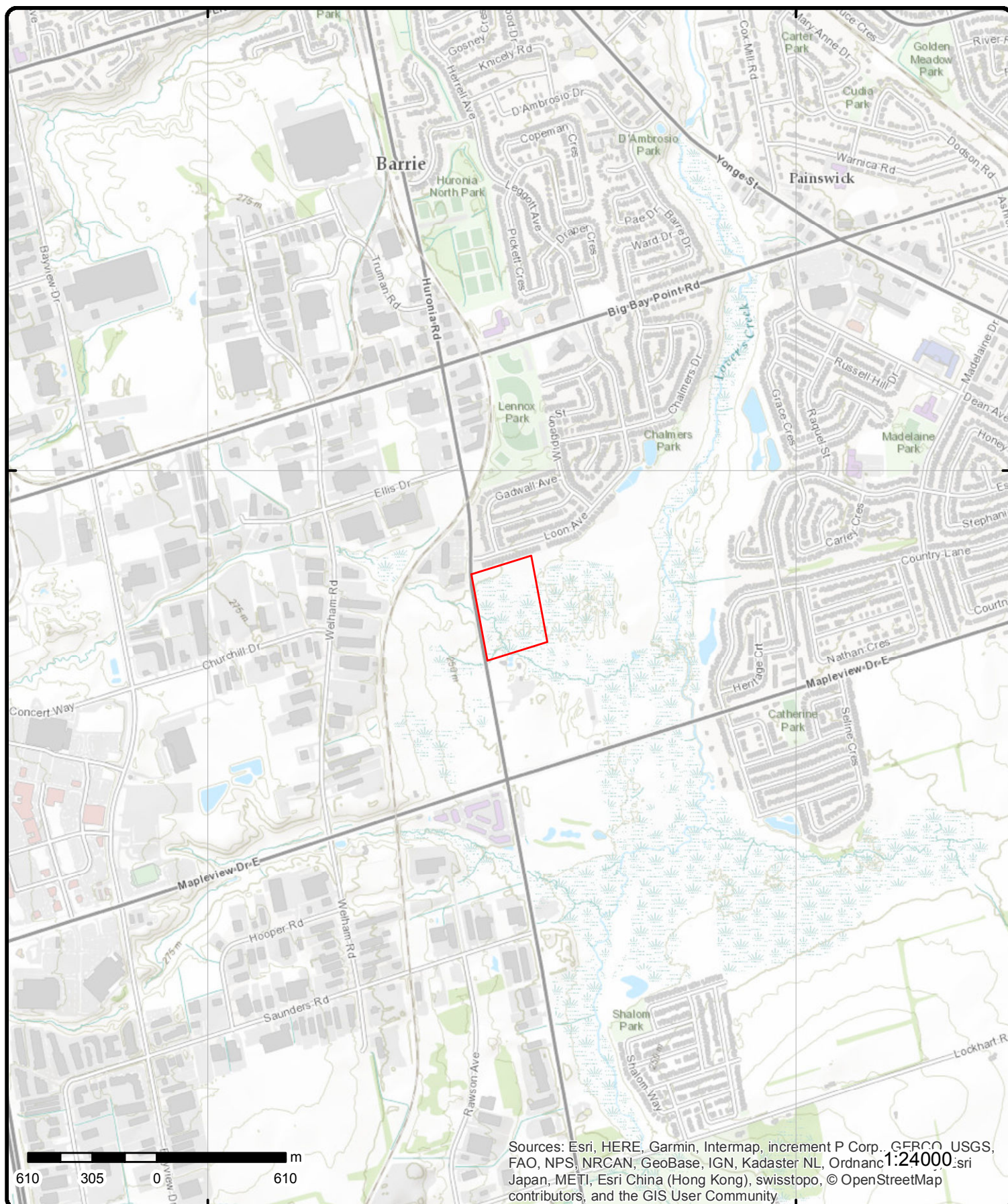
© ERIS Information Limited Partnership

79°40'30"W

79°39'W

44°21'N

44°21'N



Topographic Map

Address: 521 Huronia Road, Barrie, Barrie, ON, L4N 8X3

Source: ESRI World Topographic Map

Order No: 20190912190



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	247.7 / -0.20	Lot 11 Huronia Rd Barrie ON	EHS
Order No: 20090609025 Status: C Report Type: Custom Report Report Date: 6/18/2009 Date Received: 6/9/2009 Previous Site Name: Lot/Building Size: 62850 m2 Additional Info Ordered: Fire Insur. Maps and/or Sire Plans; City Directory Nearest Intersection: Huronia Rd./Loon Ave. Municipality: Simcoe Client Prov/State: ON Search Radius (km): 0.25 X: -79.66185 Y: 44.345609					
2	1 of 1	-/0.0	248.6 / 0.65	lot 11 con 12 ON	WWIS
Well ID: 5711981 Construction Date: Primary Water Use: Municipal Sec. Water Use: 0 Final Well Status: Test Hole 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: 3/20/1975 Selected Flag: Yes Abandonment Rec: Contractor: 4816 Form Version: 1 Owner: Street Name: County: SIMCOE Municipality: INNISFIL TOWNSHIP Site Info: Lot: 011 Concession: 12 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 10389771 DP2BR: Spatial Status: Code OB: 0 Code OB Desc: Overburden Open Hole: Cluster Kind: Date Completed: 7/30/1974 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Elevation: 248.571716 Elevrc: Zone: 17 East83: 606564.4 North83: 4911073 Org CS: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: p5					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305076			
Layer:		3			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:					
Other Materials:					
Formation Top Depth:		131			
Formation End Depth:		298			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305078			
Layer:		5			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Other Materials:		SAND			
Mat3:		74			
Other Materials:		LAYERED			
Formation Top Depth:		310			
Formation End Depth:		326			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305075			
Layer:		2			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:		60			
Other Materials:		CEMENTED			
Mat3:					
Other Materials:					
Formation Top Depth:		94			
Formation End Depth:		131			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305081			
Layer:		8			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		331			
Formation End Depth:		332			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932305077			
Layer:		4			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		08			
Other Materials:		FINE SAND			
Mat3:					
Other Materials:					
Formation Top Depth:		298			
Formation End Depth:		310			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932305074			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Other Materials:		SAND			
Mat3:		11			
Other Materials:		GRAVEL			
Formation Top Depth:		0			
Formation End Depth:		94			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932305082			
Layer:		9			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Other Materials:		DENSE			
Mat3:					
Other Materials:					
Formation Top Depth:		332			
Formation End Depth:		345			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932305080			
Layer:		7			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		329			
Formation End Depth:		331			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305079			
Layer:		6			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		326			
Formation End Depth:		329			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10938341			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930639630			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		310			
Casing Diameter:		1			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		933368048			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:					
Screen Top Depth:		305			
Screen End Depth:		310			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		995711981			
Pump Set At:					
Static Level:		2			
Final Level After Pumping:		71			
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:		20			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933871819			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		298			
Water Found Depth UOM:		ft			
<u>3</u>	1 of 1	WSW/17.5	249.9 / 1.95	lot 11 con 12 ON	WWIS
Well ID:	5711980			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Municipal			Date Received:	3/20/1975
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	4816
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	SIMCOE
Elevation (m):				Municipality:	INNISFIL TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	011
Well Depth:				Concession:	12
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10389770			Elevation:	249.67279
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:	0			East83:	606514.4
Code OB Desc:	Overburden			North83:	4911123
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	8/2/1974			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: 932305067
 Layer: 3
 Color:
 General Color:
 Mat1: 05
 Most Common Material: CLAY
 Mat2: 06
 Other Materials: SILT
 Mat3:
 Other Materials:
 Formation Top Depth: 131
 Formation End Depth: 285
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932305069
 Layer: 5
 Color:
 General Color:
 Mat1: 09
 Most Common Material: MEDIUM SAND
 Mat2:
 Other Materials:
 Mat3:
 Other Materials:
 Formation Top Depth: 290
 Formation End Depth: 301
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932305070
 Layer: 6
 Color:
 General Color:
 Mat1: 10
 Most Common Material: COARSE SAND
 Mat2:
 Other Materials:
 Mat3:
 Other Materials:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		301			
Formation End Depth:		310			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305066			
Layer:		2			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:		60			
Other Materials:		CEMENTED			
Mat3:					
Other Materials:					
Formation Top Depth:		94			
Formation End Depth:		131			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305072			
Layer:		8			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:		60			
Other Materials:		CEMENTED			
Mat3:					
Other Materials:					
Formation Top Depth:		321			
Formation End Depth:		324			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305071			
Layer:		7			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Other Materials:		SAND			
Mat3:		74			
Other Materials:		LAYERED			
Formation Top Depth:		310			
Formation End Depth:		321			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305065			
Layer:		1			
Color:					
General Color:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		94			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305073			
Layer:		9			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		324			
Formation End Depth:		330			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932305068			
Layer:		4			
Color:					
General Color:					
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		285			
Formation End Depth:		290			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10938340			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930639629			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		310			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933368047			
Layer:		1			
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		995711980			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		70			
Recommended Pump Depth:					
Pumping Rate:		37			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		1			
Pumping Duration HR:		20			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934576349			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935091053			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934825816			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933871818			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		285			
Water Found Depth UOM:		ft			
<u>4</u>	1 of 6	WNW/41.6	254.1 / 6.18	Canadian Food Inspection Agency 500 Huronia Road Unit 103 Barrie ON	GEN
Generator No:	ON6381550			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	112991				
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>4</u>	2 of 6	WNW/41.6	254.1 / 6.18	Canadian Food Inspection Agency 500 Huronia Road Unit 103 Barrie ON L4N 8X3	GEN
Generator No:	ON6381550			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Mary-Jordan Reed
MHSW Facility:	No			Phone No Admin:	705-739-0008 Ext.
SIC Code:	911240				
SIC Description:	911240				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>4</u>	3 of 6	WNW/41.6	254.1 / 6.18	Canadian Food Inspection Agency 500 Huronia Road Unit 103 Barrie ON L4N 8X3	GEN
Generator No:	ON6381550			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:					
<u>Detail(s)</u>					
Waste Class:		312 P			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Pathological wastes			
4	4 of 6	WNW/41.6	254.1 / 6.18	Canadian Food Inspection Agency 500 Huronia Road Unit 103 Barrie ON L4N 8X3	GEN
Generator No:		ON6381550		PO Box No:	
Status:				Country:	
Approval Years:		2015		Canada	
Contam. Facility:		No		Choice of Contact:	
MHSW Facility:		No		Co Admin:	
SIC Code:		911240		Mary-Jordan Reed	
SIC Description:		911240		Phone No Admin:	
				705-739-0008 Ext.	
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
4	5 of 6	WNW/41.6	254.1 / 6.18	Canadian Food Inspection Agency 500 Huronia Road Unit 103 Barrie ON L4N 8X3	GEN
Generator No:		ON6381550		PO Box No:	
Status:				Country:	
Approval Years:		2016		Canada	
Contam. Facility:		No		Choice of Contact:	
MHSW Facility:		No		Co Admin:	
SIC Code:		911240		Mary-Jordan Reed	
SIC Description:		911240		Phone No Admin:	
				705-739-0008 Ext.	
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
4	6 of 6	WNW/41.6	254.1 / 6.18	Canadian Food Inspection Agency 500 Huronia Road Unit 103 Barrie ON L4N 8X3	GEN
Generator No:		ON6381550		PO Box No:	
Status:		Registered		Country:	
Approval Years:		As of Jul 2019		Canada	
Contam. Facility:				Choice of Contact:	
MHSW Facility:				Co Admin:	
SIC Code:				Phone No Admin:	
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
5	1 of 9	NW/45.4	255.6 / 7.67	The Corporation of the City of Barrie 490 Huronia Rd Barrie ON L4N 6M2	CA
Certificate #:		6244-7AQMES			
Application Year:		2008			
Issue Date:		1/16/2008			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		Municipal and Private Sewage Works Approved			
5	2 of 9	NW/45.4	255.6 / 7.67	The Corporation of the City of Barrie 490 Huronia Rd Barrie ON L4M 4T5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		6244-7AQMES 2008-01-16 Approved ECA IDS Lakes Simcoe and Couchiching/Black River ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 490 Huronia Rd https://www.accessenvironment.ene.gov.on.ca/instruments/7164-74SJTU-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: Barrie -79.66411 44.349616999999995 	
5	3 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON9306534 2014 No No 621494 621494		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: Canada CO_ADMIN Suanne Dobson 705-734-9690 Ext.230	
Detail(s)					
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES			
Waste Class: Waste Class Desc:		261 PHARMACEUTICALS			
5	4 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON9306534 Registered As of Dec 2018		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: Canada	
Detail(s)					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: 261 A Waste Class Desc: Pharmaceuticals Waste Class: 312 P Waste Class Desc: Pathological wastes					
<u>5</u>	5 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: ON9306534 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 621494 SIC Description: 621494 PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: Suanne Dobson Phone No Admin: 705-734-9690 Ext.230					
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
<u>5</u>	6 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON	GEN
Generator No: ON9306534 Status: Approval Years: 2013 Contam. Facility: MHSW Facility: SIC Code: 621494 SIC Description: PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>5</u>	7 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: ON9306534 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 621494 SIC Description: 621494 PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: Suanne Dobson Phone No Admin: 705-734-9690 Ext.230					
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		261 PHARMACEUTICALS			
5	8 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON	GEN
Generator No: ON9306534 Status: Approval Years: 2012 Contam. Facility: MHSW Facility: SIC Code: 621494 SIC Description: Community Health Centres				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
5	9 of 9	NW/45.4	255.6 / 7.67	Barrie Community Health Centre 490 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: ON9306534 Status: Registered Approval Years: As of Jul 2019 Contam. Facility: MHSW Facility: SIC Code: SIC Description:				PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		312 P Pathological wastes			
Waste Class: Waste Class Desc:		261 A Pharmaceuticals			
6	1 of 1	NNW/49.3	251.8 / 3.86	HIDDEN GLEN DEVELOPMENTS INC. LOON AVE./GADWALL AVE. BARRIE CITY ON	CA
Certificate #: 7-0850-97- Application Year: 97 Issue Date: 8/14/1997 Approval Type: Municipal water Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
7	1 of 1	WNW/58.7	255.6 / 7.67	Barrie ON	WWIS
Well ID: 7158673 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Abandoned-Other				Data Entry Status: Data Src: Date Received: 2/2/2011 Selected Flag: Yes Abandonment Rec: Yes	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:			Contractor:	1467	
Casing Material:			Form Version:	7	
Audit No:	Z94549		Owner:		
Tag:	A082330		Street Name:	500 HURONIA RD	
Construction Method:			County:	SIMCOE	
Elevation (m):			Municipality:	INNISFIL TOWNSHIP	
Elevation Reliability:			Site Info:		
Depth to Bedrock:			Lot:		
Well Depth:			Concession:		
Overburden/Bedrock:			Concession Name:		
Pump Rate:			Easting NAD83:		
Static Water Level:			Northing NAD83:		
Flowing (Y/N):			Zone:		
Flow Rate:			UTM Reliability:		
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1003467662		Elevation:	255.140335	
DP2BR:			Elevrc:		
Spatial Status:			Zone:	17	
Code OB:			East83:	606445	
Code OB Desc:			North83:	4911259	
Open Hole:			Org CS:	UTM83	
Cluster Kind:			UTMRC:	3	
Date Completed:			UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:			Location Method:	wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1003745669				
Layer:	2				
Plug From:	22				
Plug To:	16				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1003745670				
Layer:	3				
Plug From:	16				
Plug To:					
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1003745668				
Layer:	1				
Plug From:	24				
Plug To:	22				
Plug Depth UOM:	ft				
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: 1003745542 Casing No: 0 Comment: Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1003745546 Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft					
<u>Construction Record - Screen</u>					
Screen ID: 1003745547 Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter:					
<u>Hole Diameter</u>					
Hole ID: 1003745544 Diameter: Depth From: Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch					
<u>8</u>	1 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON L4N 6M2	GEN
Generator No: ON4452373 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 621110 SIC Description: OFFICES OF PHYSICIANS PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Sheila Brown Phone No Admin: 705-727-7688 Ext.					
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
<u>8</u>	2 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Barrie ON L4N 6M2	
Generator No:	ON4452373			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
 <u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>8</u>	3 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON L4N 6M2	GEN
Generator No:	ON7691456			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Gus Zachos
MHSW Facility:	No			Phone No Admin:	705-792-7890 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
 <u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
<u>8</u>	4 of 37	NW/102.2	257.2 / 9.29	Tracy Wiersema Pharmacy Ltd. 480 HURONIA ROAD BARRIE ON L4N 6M2	GEN
Generator No:	ON2703833			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2017			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
 <u>Detail(s)</u>					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				
<u>8</u>	5 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Barrie ON L4N 6M2	
Generator No:	ON7691456			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Jun 2017			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
 <u>Detail(s)</u>					
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
8	6 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:	ON2707532			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:					
 <u>Detail(s)</u>					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
8	7 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON L4N 6M2	GEN
Generator No:	ON7691456			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Gus Zachos
MHSW Facility:	No			Phone No Admin:	705-792-7890 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
 <u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
8	8 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON L4N 6M2	GEN
Generator No:	ON7691456			PO Box No:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Approval Years: 2011 Contam. Facility: MHSW Facility: SIC Code: 621110 SIC Description: Offices of Physicians					
				Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
		312			
Waste Class:		PATHOLOGICAL WASTES			
		261			
Waste Class:		PHARMACEUTICALS			
<u>8</u>	9 of 37	NW/102.2	257.2 / 9.29	South Barrie Family Medicine 202-480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: ON2993000 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:	
<u>Detail(s)</u>					
		312 P			
Waste Class:		Pathological wastes			
<u>8</u>	10 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No: ON2707532 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 621494 SIC Description: 621494					
				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
		312			
Waste Class:		PATHOLOGICAL WASTES			
<u>8</u>	11 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON L4N 6M2	GEN
Generator No: ON7691456 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 621110 SIC Description: OFFICES OF PHYSICIANS					
				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Gus Zachos Phone No Admin: 705-792-7890 Ext.	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
8	12 of 37	NW/102.2	257.2 / 9.29	South Barrie Family Medicine 202-480 Huronia Road Barrie ON	GEN
Generator No:	ON2993000			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:		OFFICES OF PHYSICIANS			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
8	13 of 37	NW/102.2	257.2 / 9.29	South Barrie Family Medicine 202-480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:	ON2993000			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Marla Spencer
MHSW Facility:	No			Phone No Admin:	7057224091 Ext.
SIC Code:	621110				
SIC Description:		OFFICES OF PHYSICIANS			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
8	14 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON	GEN
Generator No:	ON7691456			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:		OFFICES OF PHYSICIANS			
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PATHOLOGICAL WASTES			
8	15 of 37	NW/102.2	257.2 / 9.29	Tracy Wiersema Pharmacy Ltd. 480 HURONIA ROAD BARRIE ON L4N 6M2	GEN
Generator No:		ON2703833		PO Box No:	
Status:				Country:	
Approval Years:		2015		Choice of Contact:	
Contam. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No Admin:	
SIC Code:		446110		Canada	
SIC Description:		446110		CO_ADMIN	
				NASTRAN NAJAFI-FARD	
				4164931120 Ext.3218	
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
8	16 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON L4N 6M2	GEN
Generator No:		ON7691456		PO Box No:	
Status:				Country:	
Approval Years:		2010		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		621110			
SIC Description:		Offices of Physicians			
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
8	17 of 37	NW/102.2	257.2 / 9.29	INVIVA,McKesson Pharmacare Corporation 480 Huronia Road Barrie ON L4N 8Z1	GEN
Generator No:		ON4374857		PO Box No:	
Status:		Registered		Country:	
Approval Years:		As of Dec 2018		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:				Canada	
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	18 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON L4N 6M2	GEN
Generator No:		ON4452373	PO Box No:		
Status:			Country:		Canada
Approval Years:		2015	Choice of Contact:		CO_OFFICIAL
Contam. Facility:		No	Co Admin:		Sheila Brown
MHSW Facility:		No	Phone No Admin:		705-727-7688 Ext.
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
8	19 of 37	NW/102.2	257.2 / 9.29	Huronion Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:		ON2707532	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:		621494			
SIC Description:		621494			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
8	20 of 37	NW/102.2	257.2 / 9.29	INVIVA,McKesson Pharmacare Corporation 480 Huronia Road Barrie ON L4N 8Z1	GEN
Generator No:		ON4374857	PO Box No:		
Status:		Registered	Country:		Canada
Approval Years:		As of Jul 2019	Choice of Contact:		
Contam. Facility:			Co Admin:		
MHSW Facility:			Phone No Admin:		
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
8	21 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Barrie ON L4N 6M2	
Generator No:	ON4452373			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Jul 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
 <u>Detail(s)</u>					
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
<u>8</u>	22 of 37	NW/102.2	257.2 / 9.29	Tracy Wiersema Pharmacy Ltd. 480 HURONIA ROAD BARRIE ON L4N 6M2	GEN
Generator No:	ON2703833			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	NASTRAN NAJAFI-FARD
MHSW Facility:	No			Phone No Admin:	4164931120 Ext.3218
SIC Code:	446110				
SIC Description:	446110				
 <u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>8</u>	23 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON L4N 6M2	GEN
Generator No:	ON4452373			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Sheila Brown
MHSW Facility:	No			Phone No Admin:	705-727-7688 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
 <u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>8</u>	24 of 37	NW/102.2	257.2 / 9.29	South Barrie Family Medicine 202-480 Huronia Road	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Barrie ON L4N 6M2	
Generator No:	ON2993000			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Marla Spencer
MHSW Facility:	No			Phone No Admin:	7057224091 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
 <u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>8</u>	25 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON L4N 6M2	GEN
Generator No:	ON4452373			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
 <u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
<u>8</u>	26 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON	GEN
Generator No:	ON2707532			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621494				
SIC Description:					
 <u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>8</u>	27 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON L4N 6M2	GEN
Generator No:	ON4452373			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility: SIC Code: SIC Description:				Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		261 A Pharmaceuticals			
Waste Class: Waste Class Desc:		312 P Pathological wastes			
<u>8</u>	28 of 37	NW/102.2	257.2 / 9.29	South Barrie Family Medicine 202-480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:		ON2993000		PO Box No:	
Status:				Country:	Canada
Approval Years:		2016		Choice of Contact:	CO_OFFICIAL
Contam. Facility:		No		Co Admin:	Marla Spencer
MHSW Facility:		No		Phone No Admin:	7057224091 Ext.
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>8</u>	29 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:		ON2707532		PO Box No:	
Status:				Country:	
Approval Years:		2011		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		621494			
SIC Description:					
<u>8</u>	30 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 480 Huronia Road, Unit #102 Barrie ON	GEN
Generator No:		ON6898766		PO Box No:	
Status:				Country:	
Approval Years:		2011		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		621494			
SIC Description:					
<u>8</u>	31 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:		ON2707532		PO Box No:	
Status:				Country:	Canada
Approval Years:		2016		Choice of Contact:	CO_OFFICIAL
Contam. Facility:		No		Co Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility: No SIC Code: 621494 SIC Description: 621494 Detail(s) Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>8</u>	32 of 37	NW/102.2	257.2 / 9.29	Barrie Chronic Pain Clinic 480 Huronia Road, Suite 204 Barrie ON L4N 6M2	GEN
Generator No: ON7691456 Status: Approval Years: 2012 Contam. Facility: MHSW Facility: SIC Code: 621110 SIC Description: Offices of Physicians Detail(s) Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
<u>8</u>	33 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON	GEN
Generator No: ON4452373 Status: Approval Years: 2013 Contam. Facility: MHSW Facility: SIC Code: 621110 SIC Description: OFFICES OF PHYSICIANS Detail(s) Waste Class: 261 Waste Class Desc: PHARMACEUTICALS Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>8</u>	34 of 37	NW/102.2	257.2 / 9.29	Eagle Ridge Family Health Centre 480 Huronia Road, Unit 203 Barrie ON L4N 6M2	GEN
Generator No: ON4452373 Status: Approval Years: 2010 Contam. Facility: MHSW Facility: SIC Code: 621110 SIC Description: Offices of Physicians					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>8</u>	35 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:	ON2707532			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621494				
SIC Description:	Community Health Centres				
<u>8</u>	36 of 37	NW/102.2	257.2 / 9.29	South Barrie Family Medicine 202-480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:	ON2993000			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Jul 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
<u>8</u>	37 of 37	NW/102.2	257.2 / 9.29	Huronia Urgent Care Clinic 102 - 480 Huronia Road Barrie ON L4N 6M2	GEN
Generator No:	ON2707532			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Jul 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
<u>9</u>	1 of 1	WNW/109.9	257.6 / 9.64	lot 10 con 12 ON	WWIS
Well ID:	5701453			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/8/1967

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4608
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	SIMCOE
Elevation (m):				Municipality:	INNISFIL TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	010
Well Depth:				Concession:	12
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10379346	Elevation:	257.803527
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	0	East83:	606398.4
Code OB Desc:	Overburden	North83:	4911300
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	8/3/1967	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:	932261165
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932261166
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		8			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932261168			
Layer:		4			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		22			
Formation End Depth:		25			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932261167			
Layer:		3			
Color:					
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10927916			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930627201			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From: Depth To: 25 Casing Diameter: 30 Casing Diameter UOM: inch Casing Depth UOM: ft					
<u>Results of Well Yield Testing</u>					
Pump Test ID: 995701453 Pump Set At: Static Level: 13 Final Level After Pumping: Recommended Pump Depth: 23 Pumping Rate: 2 Flowing Rate: Recommended Pump Rate: 2 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: Pumping Duration MIN: Flowing: N					
<u>Water Details</u>					
Water ID: 933860810 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 13 Water Found Depth UOM: ft					
10	1 of 2	NE/112.1	245.0 / -2.90	Royal York Apartments of London Limited Loon Avenue Barrie ON M3A 5Z8	ECA
Approval No: 9762-6HDNVF Approval Date: 2005-10-24 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Lakes Simcoe and Couchiching/Black River Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Loon Avenue Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8767-6HBLJL-14.pdf					
MOE District: Barrie City: Longitude: -79.65990000000001 Latitude: 44.3477 Geometry X: Geometry Y:					
10	2 of 2	NE/112.1	245.0 / -2.90	Royal York Apartments of London Limited Loon Avenue Barrie ON M3A 5Z8	ECA
Approval No: 6891-6HDNYR Approval Date: 2005-10-24 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Lakes Simcoe and Couchiching/Black River Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems					
MOE District: Barrie City: Longitude: -79.65990000000001 Latitude: 44.3477 Geometry X: Geometry Y:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Address:		Loon Avenue			
Full Address:					
Full PDF Link:					
11	1 of 1	SSE/126.7	244.9 / -3.00	549 Huronia Road Barrie ON L4N 8X3	EHS
Order No:		20120501014		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	
Report Date:		5/4/2012 11:33:09 AM		Search Radius (km):	
Date Received:		5/1/2012 11:32:46 AM		X:	
Previous Site Name:		Unknown		Y:	
Lot/Building Size:		9.43 Acres			
Additional Info Ordered:		Aerial Photos; City Directory; Topographic Maps			
12	1 of 1	WNW/127.3	255.9 / 8.00	not assigned Barrie ON	EHS
Order No:		20051117004		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Basic Report		Client Prov/State:	
Report Date:		11/25/2005		Search Radius (km):	
Date Received:		11/17/2005		X:	
Previous Site Name:				Y:	
Lot/Building Size:					
Additional Info Ordered:					
13	1 of 2	NNE/227.3	252.5 / 4.59	Jennifer Theresa Day 21 Gadwall Ave Barrie ON L4N 8X6	CA
Certificate #:		1784-7UWGSX			
Application Year:		2009			
Issue Date:		8/19/2009			
Approval Type:		Waste Management Systems			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
13	2 of 2	NNE/227.3	252.5 / 4.59	Jennifer Theresa Day 21 Gadwall Ave Barrie ON L4N 8X6	ECA
Approval No:		1784-7UWGSX		MOE District:	
Approval Date:		2009-08-19		City:	
Status:		Approved		Longitude:	
Record Type:		ECA		Latitude:	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Lakes Simcoe and Couchiching/Black River		Geometry Y:	
Approval Type:		ECA-WASTE MANAGEMENT SYSTEMS			
Project Type:		WASTE MANAGEMENT SYSTEMS			

54 erisinfo.com | Environmental Risk Information Services Order No: 20190912190

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Description:		All Other General-Purpose Machinery Manufacturing			
SIC/NAICS Code:		333990			
Description:		Metal Tank (Heavy Gauge) Manufacturing			
SIC/NAICS Code:		332420			

Unplottable Summary

Total: **28** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	BARRIE CITY	WELHAM RD.	BARRIE CITY ON	
CA	CITY	HURONIA RD.	BARRIE CITY ON	
CA	CITY	HURONIA RD.	BARRIE CITY ON	
CA	MASON & PFAHL CONSTRUCTION CO.	HURONIA RD. SOUTHGATE VILL SUB	BARRIE CITY ON	
CA	BARRIE CITY	ELLIS DR.	BARRIE CITY ON	
CA	1138491 ONTARIO INC.	EAST 1/2 LOT 11, CONC. 12	BARRIE CITY ON	
CA	LORNE PROPERTIES LIMITED	PT.LOTS 11&12/CONC. 12	BARRIE CITY ON	
CA	Dicard Holdings Ltd.	West Half of Lot 11, Concession 12	Barrie ON	
CA	1492811 Ontario Limited	Huronion Road	Barrie ON	
CA	Royal York Apartments of London Limited	Loon Avenue	Barrie ON	
CA	HOLLY DEVELOPMENT CORPORATION	MAPLEVIEW DR. SAN.SEW. P.S.	BARRIE CITY ON	
CA	KERBAR HOLDINGS INC.	MAPLEVIEW DR. (S.W.M.)	BARRIE CITY ON	
CA	The Corporation of the City of Barrie	Mapleview Drive from Welham Road to Huronia Rd	Barrie ON	
CA	CITY	WELHAM RD.	BARRIE CITY ON	
CA	BARRIE CITY SOUTH BARRIE BUS. PARK PH.2	WELHAM RD. DETENTION POND#4-1	BARRIE CITY ON	
CA	The Corporation of the City of Barrie	Welham Road	Barrie ON	
CA	CITY	WELHAM RD.	BARRIE CITY ON	

CA	CORIANDER DEV. CORP.- PT.LOT 10/CONC. 14	HURONIA ROAD	BARRIE CITY ON	
EBR	Devair, Inc.	Part of Lot 10, Concession 12 Barrie Ontario L4N 8Z4 Barrie	ON	
ECA	The Corporation of the City of Barrie	Mapleview Dr E from Huronia Road to Country Lane	Barrie ON	L4M 4T5
GEN	parkland fuel corporation inc	90,Mapleview/Huronia St.	Barrie ON	L4N0L1
SPL	denied s. 21(1)	Mapleview Drive<UNOFFICIAL>	Innisfil ON	
SPL		Mapleview Drive (North Side)	Barrie ON	
SPL	ONTARIO HYDRO	LOT 10 CONC 12 NORTH WALSINGHAM TRANSFORMER	SIMCOE TOWN ON	
SPL	BFI Canada Inc.	just east of Huronia St.	Barrie ON	
SPL	The Corporation of the City of Barrie	Huronia Road, at Barry Collingwood rail crossing just north of Truman Road	Barrie ON	
WWIS		con 12	ON	
WWIS		lot 11	ON	

Unplottable Report

Site: BARRIE CITY
WELHAM RD. BARRIE CITY ON

Database:
CA

Certificate #: 7-0391-87-
Application Year: 87
Issue Date: 5/25/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
HURONIA RD. BARRIE CITY ON

Database:
CA

Certificate #: 3-0305-85-006
Application Year: 85
Issue Date: 6/4/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
HURONIA RD. BARRIE CITY ON

Database:
CA

Certificate #: 7-0209-85-006
Application Year: 85
Issue Date: 6/4/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MASON & PFAHL CONSTRUCTION CO.
HURONIA RD. SOUTHGATE VILL SUB BARRIE CITY ON

Database:
CA

Certificate #: 3-0749-87-

Application Year: 87
Issue Date: 6/9/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **BARRIE CITY**
ELLIS DR. BARRIE CITY ON

Database:
CA

Certificate #: 7-0119-88-
Application Year: 88
Issue Date: 3/4/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **1138491 ONTARIO INC.**
EAST 1/2 LOT 11, CONC. 12 BARRIE CITY ON

Database:
CA

Certificate #: 3-0257-96-
Application Year: 96
Issue Date: 4/3/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **LORNE PROPERTIES LIMITED**
PT.LOTS 11&12/CONC. 12 BARRIE CITY ON

Database:
CA

Certificate #: 3-0191-93-
Application Year: 93
Issue Date: 3/10/1993
Approval Type: Municipal sewage
Status: Preliminary approval
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Dicard Holdings Ltd.
West Half of Lot 11, Concession 12 Barrie ON*

Database:
CA

Certificate #: 4501-5WNPJE
Application Year: 2004
Issue Date: 3/24/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *1492811 Ontario Limited
Huron Road Barrie ON*

Database:
CA

Certificate #: 1628-76GSJA
Application Year: 2007
Issue Date: 8/30/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Royal York Apartments of London Limited
Loon Avenue Barrie ON*

Database:
CA

Certificate #: 9762-6HDNVF
Application Year: 2005
Issue Date: 10/24/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *HOLLY DEVELOPMENT CORPORATION
MAPLEVIEW DR. SAN.SEW. P.S. BARRIE CITY ON*

Database:
CA

Certificate #: 3-1547-94-
Application Year: 94
Issue Date: 12/7/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KERBAR HOLDINGS INC.
MAPLEVIEW DR. (S.W.M.) BARRIE CITY ON

Database:
CA

Certificate #: 3-0241-94-
Application Year: 94
Issue Date: 5/27/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Corporation of the City of Barrie
Mapleview Drive from Welham Road to Huronia Rd Barrie ON

Database:
CA

Certificate #: 1536-8JPQSF
Application Year: 2011
Issue Date: 7/19/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
WELHAM RD. BARRIE CITY ON

Database:
CA

Certificate #: 7-0536-85-006
Application Year: 85
Issue Date: 8/16/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: BARRIE CITY SOUTH BARRIE BUS. PARK PH.2
WELHAM RD. DETENTION POND#4-1 BARRIE CITY ON

Database:
CA

Certificate #: 3-0294-87-
Application Year: 87

Issue Date: 5/25/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Corporation of the City of Barrie
Welham Road Barrie ON

Database:
CA

Certificate #: 9038-6FQPV7
Application Year: 2005
Issue Date: 8/29/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CITY
WELHAM RD. BARRIE CITY ON

Database:
CA

Certificate #: 3-0747-85-006
Application Year: 85
Issue Date: 8/16/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CORIANDER DEV. CORP.-PT.LOT 10/CONC. 14
HURONIA ROAD BARRIE CITY ON

Database:
CA

Certificate #: 3-1458-91-
Application Year: 91
Issue Date: 10/3/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Devair, Inc.* **Database:** *EBR*
Part of Lot 10, Concession 12 Barrie Ontario L4N 8Z4 Barrie ON

EBR Registry No: IA03E0358 **Decision Posted:**
Ministry Ref No: 9571-5JYJNP **Exception Posted:**
Notice Type: Instrument Decision **Section:**
Notice Stage: 800719544 **Act 1:**
Notice Date: September 29, 2003 **Act 2:**
Proposal Date: March 14, 2003 **Site Location Map:**
Year: 2003
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Devair, Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 490 Welham Road, Barrie Ontario, L4N 8Z4
Comment Period:
URL:

Site Location Details:

Part of Lot 10, Concession 12 Barrie Ontario L4N 8Z4 Barrie

Site: *The Corporation of the City of Barrie* **Database:** *ECA*
Mapleview Dr E from Huronia Road to Country Lane Barrie ON L4M 4T5

Approval No: 9782-ABYJDL **MOE District:**
Approval Date: 2016-08-15 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Mapleview Dr E from Huronia Road to Country Lane
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6430-A92K2Q-14.pdf>

Site: *parkland fuel corporation inc* **Database:** *GEN*
90,Mapleview/Huronia St. Barrie ON L4N0L1

Generator No: ON4869828 **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)

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

Site: *denied s. 21(1)* **Database:** *SPL*
Mapleview Drive<UNOFFICIAL> Innisfil ON

Ref No: 8815-6B8FP7 **Discharger Report:** 0
Site No: **Material Group:** Oil
Incident Dt: 4/7/2005 **Health/Env Conseq:**
Year: **Client Type:**

Incident Cause:	Unknown	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:	DIESEL FUEL	Site Address:	
Contaminant Limit 1:		Site District Office:	Barrie
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Possible	Site Municipality:	Innisfil
Nature of Impact:		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:	4/7/2005	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spill to Land
Incident Reason:		Source Type:	
Site Name:	Mapleview Drive<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Diesel to grnd.		
Contaminant Qty:			

Site: **Mapleview Drive (North Side) Barrie ON** **Database:** **SPL**

Ref No:	2460-5LHTDX	Discharger Report:	
Site No:		Material Group:	Waste
Incident Dt:	4/11/2003	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Discharge Or Bypass To A Watercourse	Sector Type:	Other
Incident Event:		Agency Involved:	
Contaminant Code:	43	Nearest Watercourse:	
Contaminant Name:	SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)	Site Address:	
Contaminant Limit 1:		Site District Office:	Barrie
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	Southwestern
Environment Impact:	Possible	Site Municipality:	Barrie
Nature of Impact:	Surface Water Pollution	Site Lot:	
Receiving Medium:	Water	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/11/2003	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spill to Inland Watercourses
Incident Reason:	Ice/Snow/Rain	Source Type:	
Site Name:	CONSTRUCITON SITE<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Sediment Runoff: Mapleview Drive		
Contaminant Qty:			

Site: **ONTARIO HYDRO** **Database:** **SPL**
LOT 10 CONC 12 NORTH WALSINGHAM TRANSFORMER SIMCOE TOWN ON

Ref No:	90534	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	8/28/1993	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	COOLING SYSTEM 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:	CONFIRMED	Site Municipality:	12403
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:	8/28/1993	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO - 15 L OF MINERAL OIL TO GROUND FROM TRANSFORMER		
Contaminant Qty:			

Site: **BFI Canada Inc.**
just east of Huronia St. Barrie ON

Database:
SPL

Ref No:	7038-8GKTJ2	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	5/5/2011	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Pipe Or Hose Leak	Sector Type:	Motor Vehicle
Incident Event:		Agency Involved:	
Contaminant Code:	15	Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL	Site Address:	just east of Huronia St.
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Confirmed	Site Municipality:	Barrie
Nature of Impact:	Soil Contamination	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	5/5/2011	Site Map Datum:	
Dt Document Closed:	5/12/2011	SAC Action Class:	Land Spills
Incident Reason:	Equipment Failure	Source Type:	
Site Name:	on Mapleview Dr. <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	BFI garbage truck - 40 L of hydraulic oil to ground.		
Contaminant Qty:	40 L		

Site: **The Corporation of the City of Barrie**
Huronia Road, at Barry Collingwood rail crossing just north of Truman Road Barrie ON

Database:
SPL

Ref No:	8374-9ZKPNZ	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	8/20/2015	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:		Sector Type:	Miscellaneous Communal
Incident Event:		Agency Involved:	
Contaminant Code:	43	Nearest Watercourse:	
Contaminant Name:	SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)	Site Address:	Huronia Road, at Barry Collingwood rail crossing just north of Truman Road
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	Barrie
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	8/20/2015	Site Map Datum:	

Dt Document Closed:
Incident Reason: Weather Conditions
Site Name: Washout<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Sediment/road washout to ditch on Huronia Road
Contaminant Qty: 0 other - see incident description

SAC Action Class: Watercourse Spills
Source Type:

Site: con 12 ON **Database:** [WWIS](#)

Well ID:	5722626	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Industrial	Date Received:	12/11/1987
Sec. Water Use:	Cooling And A/C	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2514
Casing Material:		Form Version:	1
Audit No:	06634	Owner:	
Tag:		Street Name:	
Construction Method:		County:	SIMCOE
Elevation (m):		Municipality:	INNISFIL TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	12
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10400244	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	4/3/1987	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	932351522
Layer:	4
Color:	5
General Color:	YELLOW
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	95
Formation End Depth:	117

Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932351521
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 05
Other Materials: CLAY
Formation Top Depth: 38
Formation End Depth: 95
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932351519
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932351520
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 12
Other Materials: STONES
Formation Top Depth: 5
Formation End Depth: 38
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10948814
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930652657
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 96
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933373142
Layer: 1
Slot: 010
Screen Top Depth: 97
Screen End Depth: 117
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 995722626
Pump Set At:
Static Level: 39
Final Level After Pumping: 96
Recommended Pump Depth: 96
Pumping Rate: 25
Flowing Rate:
Recommended Pump Rate: 25
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 24
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934837533
Test Type: Recovery
Test Duration: 45
Test Level: 39
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934569792
Test Type: Recovery
Test Duration: 30
Test Level: 39
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934313299
Test Type: Recovery
Test Duration: 15
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935086506
Test Type: Recovery
Test Duration: 60
Test Level: 31
Test Level UOM: ft

Water Details

Water ID: 933882444
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

Site: **lot 11 ON** **Database:** **WWIS**

Well ID:	2211243	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	2/3/1988
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3651
Casing Material:		Form Version:	1
Audit No:	10549	Owner:	
Tag:		Street Name:	
Construction Method:		County:	FRONTENAC
Elevation (m):		Municipality:	BARRIE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	011
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10105609	Elevation:	
DP2BR:	4	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	10/16/1987	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID: 931280348
Layer: 3
Color: 7
General Color: RED
Mat1: 21
Most Common Material: GRANITE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 34
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931280349
Layer: 4
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 34
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931280350
Layer: 5
Color: 7
General Color: RED
Mat1: 21
Most Common Material: GRANITE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931280346
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4

Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931280347
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 30
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931280351
Layer: 6
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 104
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID:
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10654179
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930176683
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930176684
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 104
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992211243
Pump Set At:
Static Level: 14
Final Level After Pumping: 104
Recommended Pump Depth:
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933549536
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60
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 2018

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-Jul 31, 2019

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 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017

Chemical Register:

Private CHEM

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

Government Publication Date: 1999-Jul 31, 2019

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 - Mar 2019

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Jul 2019

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-Aug 31, 2019

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 - Oct 2018

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011-Aug 31, 2019

Environmental Registry:

Provincial

[EBR](#)

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

Government Publication Date: 1994-Aug 31, 2019

Environmental Compliance Approval:

Provincial

[ECA](#)

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

Government Publication Date: Oct 2011-Aug 31, 2019

Environmental Effects Monitoring:

Federal

[EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

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

Government Publication Date: 1999-Jul 31, 2019

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, 2018

List of TSSA Expired Facilities:Provincial **EXP**

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017**Federal Convictions:**Federal **FCON**

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

Government Publication Date: 1988-Jun 2007***Contaminated Sites on Federal Land:**Federal **FCS**

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

Government Publication Date: Jun 2000-May 2019**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 2018**Fuel Storage Tank:**Provincial **FST**

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017**Fuel Storage Tank - Historic:**Provincial **FSTH**

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

Government Publication Date: Pre-Jan 2010***Ontario Regulation 347 Waste Generators Summary:**Provincial **GEN**

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

Government Publication Date: 1986-Jul 31, 2019**Greenhouse Gas Emissions from Large Facilities:**Federal **GHG**

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Jan 2019

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, 2017

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 National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Dec 31, 2018

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-May 31, 2019

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 2019

Inventory of PCB Storage Sites:

Provincial

[OPCB](#)

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

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

Orders:

Provincial

[ORD](#)

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

Government Publication Date: 1994-Aug 31, 2019

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: 1988-Mar 2019

TSSA Pipeline Incidents:

Provincial

[PINC](#)

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

[PRT](#)

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

[PTTW](#)

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

Government Publication Date: 1994-Aug 31, 2019

Ontario Regulation 347 Waste Receivers Summary:

Provincial

[REC](#)

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial

RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jul 2019

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-Jul 31, 2019

Scott's Manufacturing Directory:

Private

SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

SPL

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

Government Publication Date: 1988-Feb 2019

Wastewater Discharger Registration Database:

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

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

Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011-Aug 31, 2019

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: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

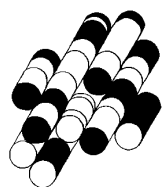
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number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

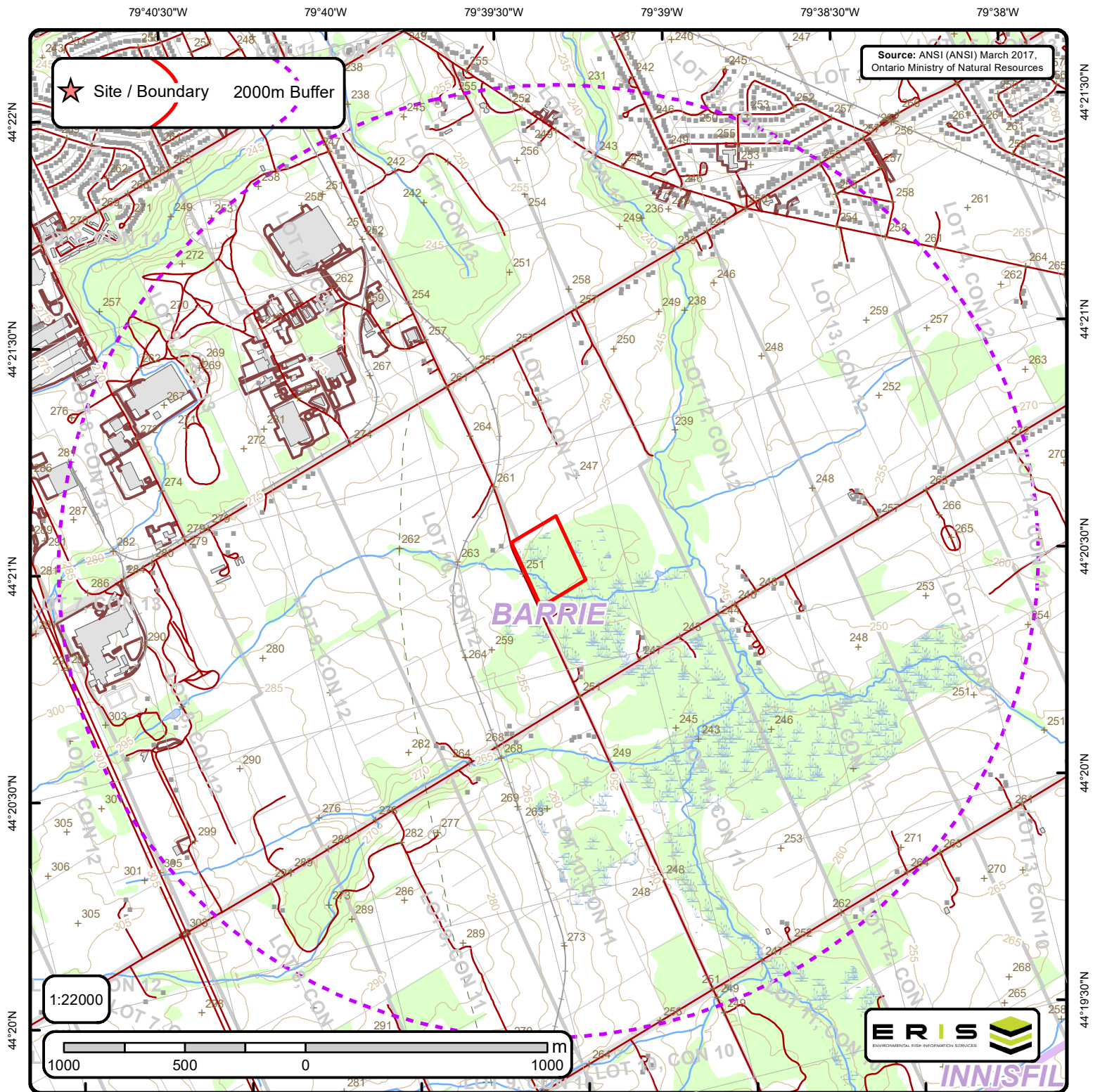
The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

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

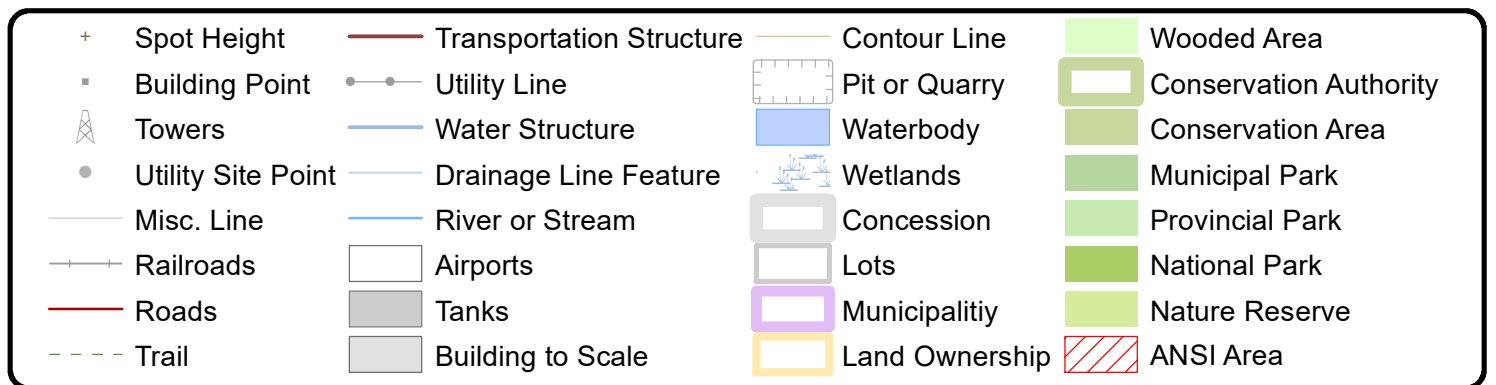
APPENDIX I

TERRAPROBE INC.





Area of Natural & Scientific Interest (ANSI) Order No. 20190912190





ANSI Report

ANSI Units Found within 2000 m of
521 Huronia Road, Barrie



No ANSI units found within search area.

79°40'30"W

79°40'W

79°39'30"W

79°39'W

79°38'30"W

79°38'W

★ Site / Boundary 2000m Buffer

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

44°21'30"N

44°21'N

44°20'30"N

44°20'N

44°21'30"N

44°21'N

44°20'30"N

44°20'N

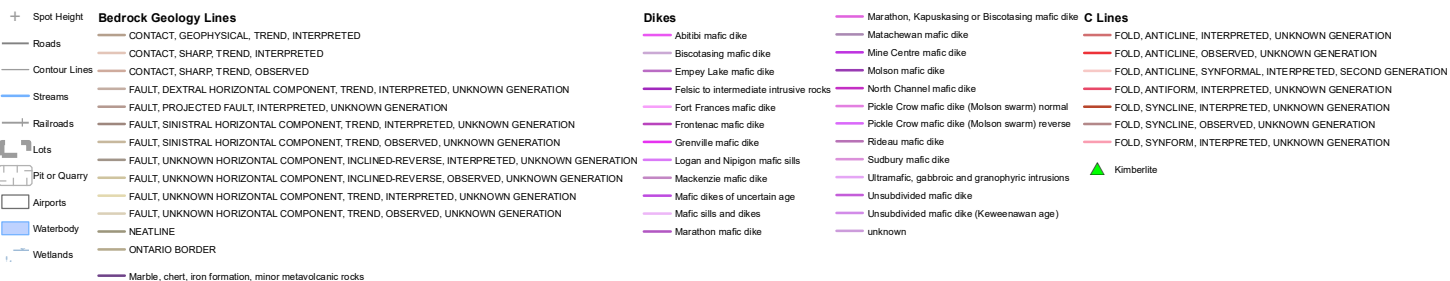
44°19'30"N

1:22000

1000 500 0 1000 m

Bedrock Geology of Ontario

Order No. 20190912190





Bedrock Geology Report

Bedrock Geology units found within 2000 m of
521 Huronia Road, Barrie



ID: 13263 | Unit Name: |

Type (All): 54a | **Type (Primary):** 54a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Limestone, dolostone, shale, arkose, sandstone | **Strata (Primary):** Ottawa Group; Simcoe Group; Shadow Lake Formation | **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):** MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN) | **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

79°40'30"W

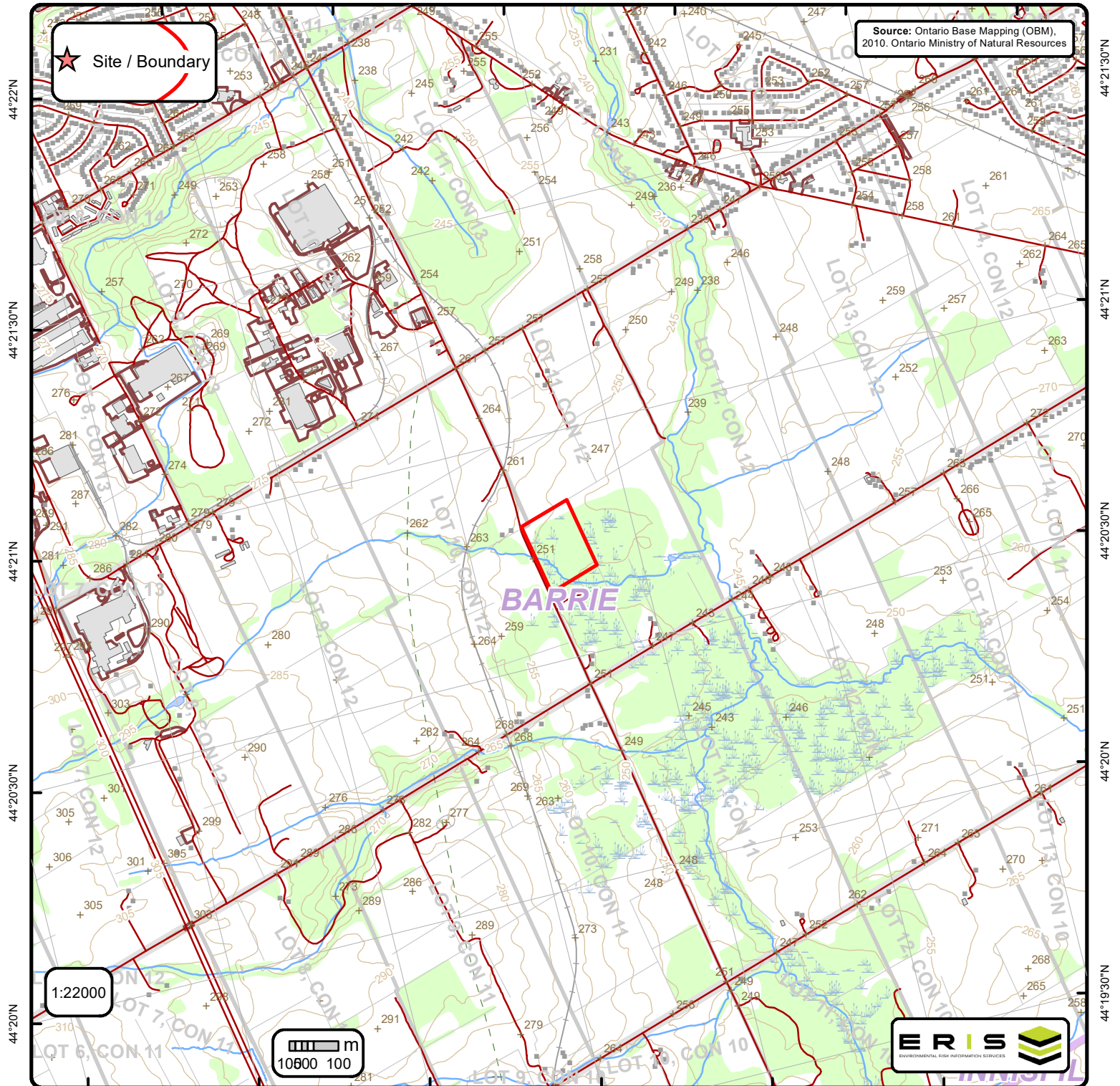
79°40'W

79°39'30"W

79°39'W

79°38'30"W

79°38'W



Ontario Base Mapping (OBM) Data

Order No. 20190912190

+	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	■	Municipality	■	Nature Reserve
—	Trail	■	Building to Scale	■	Land Ownership		

79°40'30"W

79°40'W

79°39'30"W

79°39'W

79°38'30"W

79°38'W

★ Site / Boundary

Sand Plains

Beaches

Beaches

Source: Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario: Ontario Geological Survey, Miscellaneous Release—Data 22

Lowlands

LOT 10,
CON 13LOT 11,
CON 13LOT 12,
CON 13

LOT 9, CON 13

LOT 13,
CON 12LOT 14,
CON 12LOT 11,
CON 12LOT 12,
CON 12LOT 14,
CON 11Peterborough
Drumlin Field

LOT 9, CON 12

LOT 8, CON 12

LOT 10,
CON 12Till Plains
(Drumlinized)LOT 12,
CON 11LOT 13,
CON 11LOT 7,
CON 12

LOT 8, CON 11

LOT 9, CON 11

LOT 10,
CON 11LOT 11,
CON 11LOT 12,
CON 10

1:22000

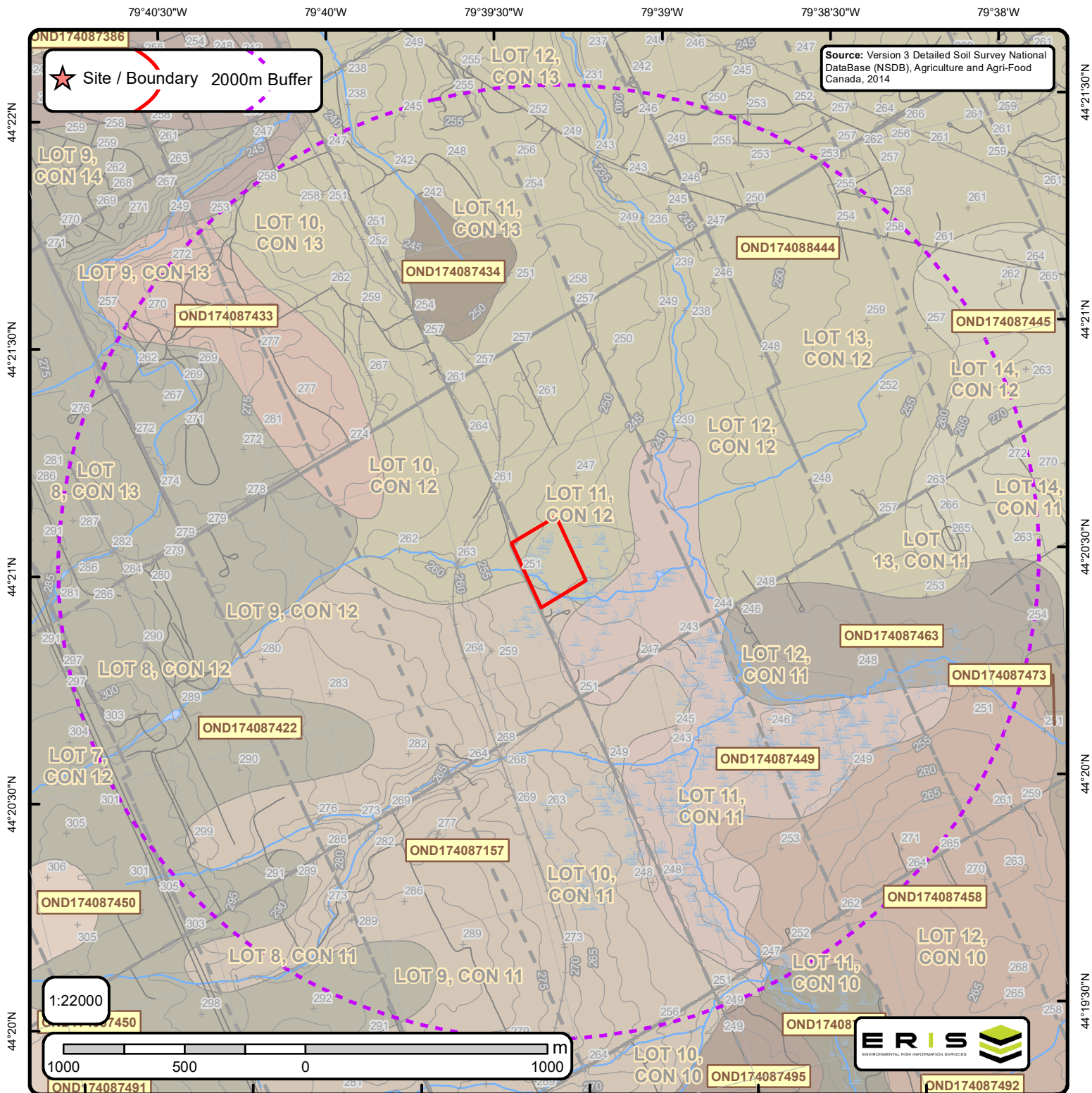
1000 500 0 1000 m

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Physiography of Southern Ontario

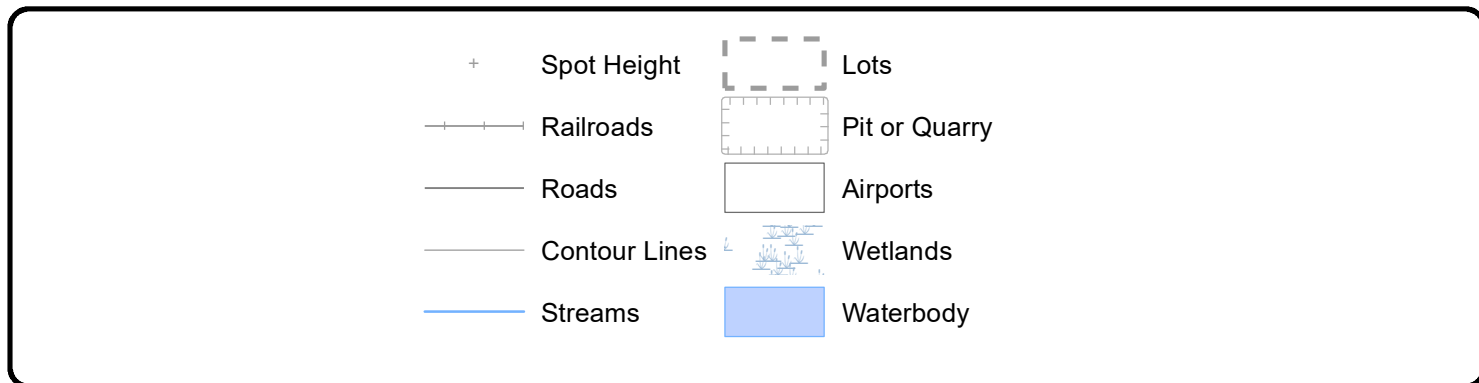
Order No. 20190912190

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



Detailed Soil Survey (ON Soils)

Order No. 20190912190





Soils Report

Soil Map Units Found within 2000 m of
521 Huronia Road, Barrie



Soil ID: OND174087473

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONALT~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 76 | **Total Silt(%)** : 18 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 5.254 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 75 | **Total Silt(%)** : 19 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.472 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-38 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 69 | **Total Silt(%)** : 25 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 4.078 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-51 | **Horizon** : Bm | **Layer No** : 4 | **Very Fine Sand(%)** : 24 | **Total Sand(%)** : 70 | **Total Silt(%)** : 26 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.683 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 51-65 | **Horizon** : Btjgj | **Layer No** : 5 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 69 | **Total Silt(%)** : 24 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 3.278 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 65-88 | **Horizon** : Cgj | **Layer No** : 6 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 19 | **Total Silt(%)** : 40 | **Total Clay(%)** : 41 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 88-100 | **Horizon** : Cgj | **Layer No** : 7 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 13 | **Total Silt(%)** : 36 | **Total Clay(%)** : 51 |

Soil ID: OND174088444

Component No : 1 | **Components(%)** : 80 | **Soil Name ID** : ONBDH~~~~~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)** : 0-13 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 6.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 13-25 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 51 | **Total Silt(%)** : 35 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 1.7 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.158 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-36 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 40 | **Total Silt(%)** : 31 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.339 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 36-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 62 | **Total Silt(%)** : 35 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.8 | **Saturated Hydraulic Conductivity(cm/h)** : 3.697 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174088444

Component No : 2 | **Components(%)** : 20 | **Soil Name ID** : ONBDH~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 12.0 | **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** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-13 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 6.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 13-25 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 51 | **Total Silt(%)** : 35 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 1.7 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.158 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-36 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 40 | **Total Silt(%)** : 31 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.339 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 36-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 62 | **Total Silt(%)** : 35 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.8 | **Saturated Hydraulic Conductivity(cm/h)** : 3.697 | **Electrical Conductivity(dS/m)** : 0 |



Soils Report

Soil Map Units Found within 2000 m of
521 Huronia Road, Barrie

**Soil ID: OND174087412**

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDUL~~~~~A | **Surface Stoniness Class** : Nonstony | **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** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-11 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 64 | **Total Silt(%)** : 32 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.126 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 11-20 | **Horizon** : Ap | **Layer No** : 2 | **Very Fine Sand(%)** : 54 | **Total Sand(%)** : 65 | **Total Silt(%)** : 30 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.262 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-40 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 44 | **Total Sand(%)** : 63 | **Total Silt(%)** : 33 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 5.18 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 40-55 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 74 | **Total Silt(%)** : 16 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.5 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ck | **Layer No** : 5 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 69 | **Total Silt(%)** : 22 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.905 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087434

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~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 | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND174087433

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSGT~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **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** : None | **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)** : 0-16 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 44 | **Total Silt(%)** : 48 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 3.8 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.271 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 16-27 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 63 | **Total Silt(%)** : 30 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.491 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-47 | **Horizon** : Btj | **Layer No** : 3 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 59 | **Total Silt(%)** : 33 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.47 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 47-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 82 | **Total Silt(%)** : 14 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.034 | **Electrical Conductivity(dS/m)** : 0 |



Soils Report

Soil Map Units Found within 2000 m of
521 Huronia Road, Barrie



Soil ID: OND174087422

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONTIG~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **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** : 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)** : 0-28 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 88 | **Total Silt(%)** : 10 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.673 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-70 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 20 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-105 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 96 | **Total Silt(%)** : 3 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 7.836 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087492

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSMF~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 23 | **Total Silt(%)** : 54 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.511 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-39 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 23 | **Total Silt(%)** : 50 | **Total Clay(%)** : 27 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.312 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 39-78 | **Horizon** : Btg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 30 | **Total Clay(%)** : 62 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.205 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 78-100 | **Horizon** : Ckgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 37 | **Total Clay(%)** : 59 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087458

Component No : 2 | **Components(%)** : 20 | **Soil Name ID** : ONBDH~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 12.0 | **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** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-13 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 6.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 13-25 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 51 | **Total Silt(%)** : 35 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 1.7 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.158 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-36 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 40 | **Total Silt(%)** : 31 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.339 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 36-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 62 | **Total Silt(%)** : 35 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.8 | **Saturated Hydraulic Conductivity(cm/h)** : 3.697 | **Electrical Conductivity(dS/m)** : 0 |



Soils Report

Soil Map Units Found within 2000 m of
521 Huronia Road, Barrie

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Order No.
20190912190



Soil ID: OND174087458

Component No : 1 | **Components(%)** : 80 | **Soil Name ID** : ONBDH~~~~~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)** : 0-13 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 6.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 13-25 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 51 | **Total Silt(%)** : 35 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 1.7 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.158 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-36 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 40 | **Total Silt(%)** : 31 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.339 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 36-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 62 | **Total Silt(%)** : 35 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.8 | **Saturated Hydraulic Conductivity(cm/h)** : 3.697 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087463

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSMF~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 23 | **Total Silt(%)** : 54 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.511 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-39 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 23 | **Total Silt(%)** : 50 | **Total Clay(%)** : 27 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.312 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 39-78 | **Horizon** : Btg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 30 | **Total Clay(%)** : 62 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.205 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 78-100 | **Horizon** : Ckgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 37 | **Total Clay(%)** : 59 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087449

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~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 | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soils Report

Soil Map Units Found within 2000 m of
521 Huronia Road, Barrie



Soil ID: OND174087445

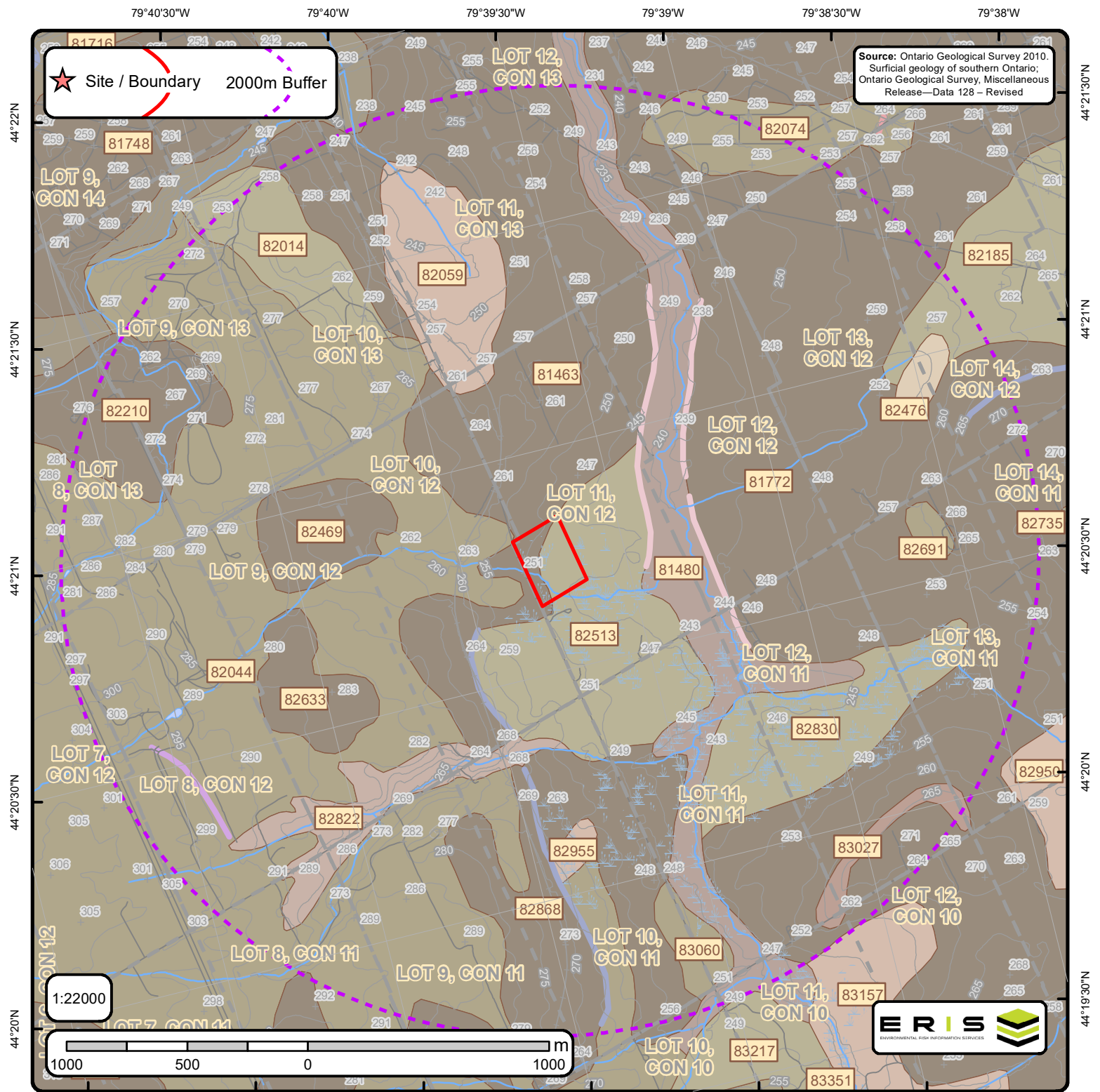
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDUL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-11 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 52 | **Total Sand(%)** : 64 | **Total Silt(%)** : 32 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.126 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 11-20 | **Horizon** : Ap | **Layer No** : 2 | **Very Fine Sand(%)** : 54 | **Total Sand(%)** : 65 | **Total Silt(%)** : 30 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.262 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-40 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 44 | **Total Sand(%)** : 63 | **Total Silt(%)** : 33 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 5.18 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 40-55 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 74 | **Total Silt(%)** : 16 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.5 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ck | **Layer No** : 5 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 69 | **Total Silt(%)** : 22 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.905 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087157

Component No : 2 | **Components(%)** : 40 | **Soil Name ID** : ONVSY~~~~~A | **Surface Stoniness Class** : Moderately 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** : 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)** : 0-26 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 27 | **Total Sand(%)** : 67 | **Total Silt(%)** : 27 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 4.78 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-57 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 71 | **Total Silt(%)** : 26 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 6.615 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 57-67 | **Horizon** : Btgj | **Layer No** : 3 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 63 | **Total Silt(%)** : 28 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 2.357 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 67-100 | **Horizon** : Ck | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 67 | **Total Silt(%)** : 27 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.733 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND174087157

Component No : 1 | **Components(%)** : 60 | **Soil Name ID** : ONTIG~~~~~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** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-28 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 88 | **Total Silt(%)** : 10 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.673 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-70 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 20 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.351 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-105 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 96 | **Total Silt(%)** : 3 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 7.836 | **Electrical Conductivity(dS/m)** : 0 |



The Surficial Geology of Southern Ontario Order No. 20190912190





ID: 81463 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately stoney to stoney silty sand to sand till

ID: 81480 | **Unit Name:** Fluvial sediments |
Deposit Type Code: 20 | **Deposit Age:** Recent | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt, sand, gravel | **Primary Material Modifier:** | **Secondary Material:** | **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:** Very fine to coarse grained sand, gravel, silt and clay

ID: 81750 | **Unit Name:** Glaciofluvial ice-contact stratified sediments |
Deposit Type Code: 7 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **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:** SubSurface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Fine to very coarse grained sand, gravelly sand and gravel, minor amounts of silt clay and flow tills

ID: 81772 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately stoney to stoney silty sand to sand till

ID: 82014 | **Unit Name:** Glaciolacustrine coarse-grained sediments |
Deposit Type Code: 13 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: silt, sand | **Primary Material Modifier:** | **Secondary Material:** clay, 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:** Very fine to medium grained sand, silt, minor clay



ID: 82044 | **Unit Name:** Glaciofluvial ice-contact stratified deposits |
Deposit Type Code: 11 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **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:** | **Status Modifier:**
Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Fine to very coarse grained
sand, gravelly sand and gravel, minor amounts of silt, clay and flow tills

ID: 82059 | **Unit Name:** Glaciolacustrine fine-grained sediments |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciolacustrine | **Primary**
General Modifier: foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Silt dominated rhythmites

ID: 82074 | **Unit Name:** Glaciofluvial ice-contact stratified deposits |
Deposit Type Code: 11 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **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:** | **Status Modifier:**
Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Fine to very coarse grained
sand, gravelly sand and gravel, minor amounts of silt, clay and flow tills

ID: 82185 | **Unit Name:** Glaciolacustrine coarse-grained sediments |
Deposit Type Code: 13 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: silt, sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt | **Primary General:** glaciolacustrine | **Primary**
General Modifier: foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Very fine to medium grained sand, silt,
minor clay

ID: 82210 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately
stoney to stoney silty sand to sand till



ID: 82469 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately stoney to stoney silty sand to sand till

ID: 82476 | **Unit Name:** Wetland sediments |
Deposit Type Code: 19 | **Deposit Age:** Recent | **Map Number:** m2645 | **Map Name:** Barrie E | **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:** | **Status Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Peat, muck, marl

ID: 82513 | **Unit Name:** Glaciolacustrine coarse-grained sediments |
Deposit Type Code: 13 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: silt, sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Very fine to medium grained sand, silt, minor clay

ID: 82633 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately stoney to stoney silty sand to sand till

ID: 82691 | **Unit Name:** Glaciofluvial ice-contact stratified deposits |
Deposit Type Code: 11 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **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:** | **Status Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Fine to very coarse grained sand, gravelly sand and gravel, minor amounts of silt, clay and flow tills



ID: 82822 | **Unit Name:** Glaciolacustrine coarse grained sediments |
Deposit Type Code: 6 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: silt, sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** SubSurface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Very fine to medium grained sand, silt minor clay

ID: 82830 | **Unit Name:** Glaciolacustrine coarse-grained sediments |
Deposit Type Code: 13 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: silt, sand | **Primary Material Modifier:** | **Secondary Material:** clay, 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:** Very fine to medium grained sand, silt, minor clay

ID: 82868 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately stoney to stoney silty sand to sand till

ID: 82955 | **Unit Name:** Glaciolacustrine fine-grained sediments |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Silt dominated rhythmites

ID: 83027 | **Unit Name:** Glaciolacustrine beach and bar sediments |
Deposit Type Code: 14 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: sand, gravel | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciolacustrine | **Primary General Modifier:** littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand gravel and gravelly sand



ID: 83060 | **Unit Name:** Glaciofluvial ice-contact stratified deposits |
Deposit Type Code: 11 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **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:** | **Status Modifier:**
Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Fine to very coarse grained
sand, gravelly sand and gravel, minor amounts of silt, clay and flow tills

ID: 83062 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately
stoney to stoney silty sand to sand till

ID: 83129 | **Unit Name:** Till |
Deposit Type Code: 8 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** silty sand to sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: N | **Carbon Content:** | **Formation:** Newmarket Till | **Permeability:** Low-Medium | **Material Description:** Moderately
stoney to stoney silty sand to sand till

ID: 83157 | **Unit Name:** Glaciolacustrine fine-grained sediments |
Deposit Type Code: 12a | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciolacustrine | **Primary**
General Modifier: foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Silt dominated rhythmites

ID: 83217 | **Unit Name:** Glaciolacustrine coarse-grained sediments |
Deposit Type Code: 13 | **Deposit Age:** Pleistocene | **Map Number:** m2645 | **Map Name:** Barrie E | **Source Map Scale:** 1:50 000 |
Primary Material: silt, sand | **Primary Material Modifier:** | **Secondary Material:** clay, silt | **Primary General:** glaciolacustrine | **Primary**
General Modifier: foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Status Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Very fine to medium grained sand, silt,
minor clay



Surface Geology Report

Surface Geology units found within 2000 m of
521 Huronia Road, Barrie



No Surface Geology units found within search area.



Surface Geology Report Metadata

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

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



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.

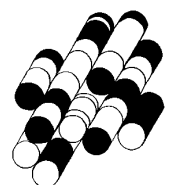
Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

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'.

APPENDIX J

TERRAPROBE INC.



Water Well Records

Wednesday, September 18, 2019

2:52:56 PM

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION	
INNISFIL TOWNSHIP	17 606445 4911259 W	1467						7158673 (Z94549) A082330 A		
INNISFIL TOWNSHIP CON 12 010	17 606398 4911300 W	1967/08 4608	30	FR 0013	13//2/:	DO		5701453 ()	MSND 0008 BRWN CLAY 0015 GREY CLAY 0022 GRVL 0025	
INNISFIL TOWNSHIP CON 12 011	17 606914 4910723 W	1980/06 3203	6	FR 0146 FR 0166	/140/9/1:0	DO	0166 3	5717363 ()	BRWN SAND 0012 GREY CLAY 0140 GREY GRVL CLAY PCKD 0146 GREY GRVL LOOS 0148 GREY GRVL CLAY STNS 0166 GREY SAND GRVL 0169 GREY CLAY 0169	
INNISFIL TOWNSHIP CON 12 011	17 606564 4911073 W	1974/07 4816	1	FR 0298	2/71//20:0	MN	0305 5	5711981 ()	CLAY SAND GRVL 0094 SAND CMTD 0131 CLAY SILT 0298 MSND FSND 0310 CLAY SAND LYRD 0326 SAND 0329 CLAY 0331 SAND 0332 CLAY DNSE 0345	
INNISFIL TOWNSHIP CON 12 011	17 606514 4911123 W	1974/08 4816	2	UK 0285	10/70/37/20:0	MN		5711980 ()	CLAY GRVL 0094 SAND CMTD 0131 CLAY SILT 0285 FSND 0290 MSND 0301 CSND 0310 CLAY SAND LYRD 0321 SAND CMTD 0324 CLAY GRVL 0330	

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
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Notes:
UTM: UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
DATE CNTR: Date Work Completedand Well Contractor Licence Number
CASING DIA: .Casing diameter in inches
WATER: Unit of Depth in Fee. See Table 4 for Meaning of Code

PUMP TEST: Static Water Level in Feet / Water Level After Pumping in Feet / Pump Test Rate in GPM / Pump Test Duration in Hour : Minutes
WELL USE: See Table 3 for Meaning of Code
SCREEN: Screen Depth and Length in feet
WELL: WEL (AUDIT #) Well Tag . A: Abandonment; P: Partial Data Entry Only
FORMATION: See Table 1 and 2 for Meaning of Code

1. Core Material and Descriptive terms

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
BLDR	BOULDERS	FCRD	FRACTURED	IRFM	IRON FORMATION	PORS	POROUS	SOFT	SOFT
BSLT	BASALT	FGRD	FINE-GRAINED	LIMY	LIMY	PRDG	PREVIOUSLY DUG	SPST	SOAPSTONE
CGRD	COARSE-GRAINED	FGVL	FINE GRAVEL	LMSN	LIMESTONE	PRDR	PREV. DRILLED	STKY	STICKY
CGVL	COARSE GRAVEL	FILL	FILL	LOAM	TOPSOIL	QRTZ	QUARTZITE	STNS	STONES
CHRT	CHERT	FLDS	FELDSPAR	LOOS	LOOSE	QSND	QUICKSAND	STNY	STONEY
CLAY	CLAY	FLNT	FLINT	LTCL	LIGHT-COLOURED	QTZ	QUARTZ	THIK	THICK
CLN	CLEAN	FOSS	FOSILIFEROUS	LYRD	LAYERED	ROCK	ROCK	THIN	THIN
CLYY	CLAYEY	FSND	FINE SAND	MARL	MARL	SAND	SAND	TILL	TILL
CMTD	CEMENTED	GNIS	GNEISS	MGRD	MEDIUM-GRAINED	SHLE	SHALE	UNKN	UNKNOWN TYPE
CONG	CONGLOMERATE	GRNT	GRANITE	MGVL	MEDIUM GRAVEL	SHLY	SHALY	VERY	VERY
CRYS	CRYSTALLINE	GRSN	GREENSTONE	MRBL	MARBLE	SHRP	SHARP	WBRG	WATER-BEARING
CSND	COARSE SAND	GRVL	GRAVEL	MSND	MEDIUM SAND	SHST	SCHIST	WDFR	WOOD FRAGMENTS
DKCL	DARK-COLOURED	GRWK	GREYWACKE	MUCK	MUCK	SILT	SILT	WTHD	WEATHERED
DLMT	DOLOMITE	GVLY	GRAVELLY	OBDN	OVERBURDEN	SLTE	SLATE		
DNSE	DENSE	GYPG	GYPG	PCKD	PACKED	SLTY	SILTY		
DRTY	DIRTY	HARD	HARD	PEAT	PEAT	SNDS	SANDSTONE		
DRY	DRY	HPAN	HARDPAN	PGVL	PEA GRAVEL	SNDY	SANDY SOAPSTONE		

2. Core Color

Code	Description
WHIT	WHITE
GREY	GREY
BLUE	BLUE
GREN	GREEN
YLLW	YELLOW
BRWN	BROWN
RED	RED
BLCK	BLACK
BLGY	BLUE-GREY

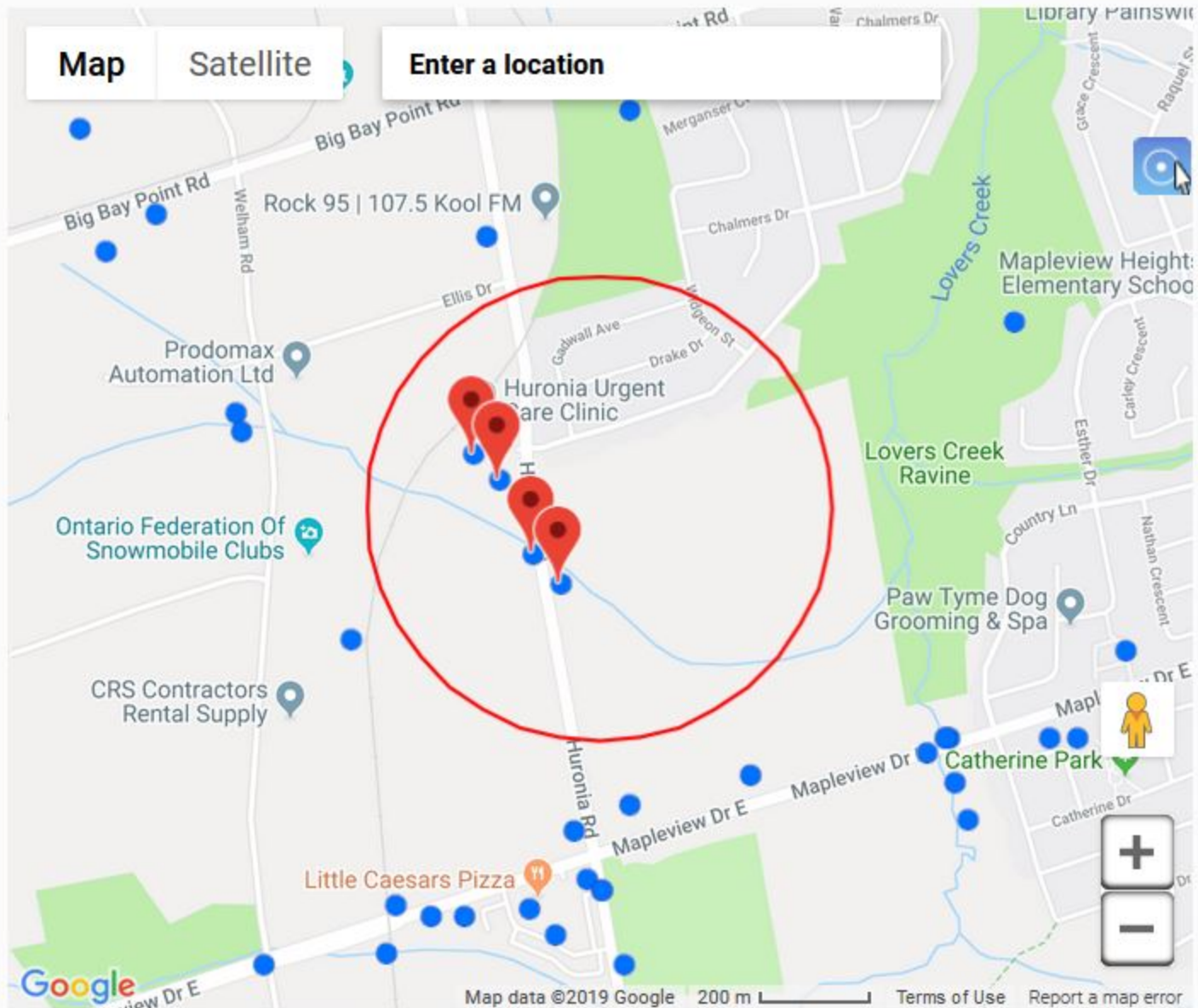
3. Well Use

Code	Description	Code	Description
DO	Domestic	OT	Other
ST	Livestock	TH	Test Hole
IR	Irrigation	DE	Dewatering
IN	Industrial	MO	Monitoring
CO	Commercial	MT	Monitoring TestHole
MN	Municipal		
PS	Public		
AC	Cooling And A/C		
NU	Not Used		

4. Water Detail

Code	Description	Code	Description
FR	Fresh	GS	Gas
SA	Salty	IR	Iron
SU	Sulphur		
MN	Mineral		
UK	Unknown		

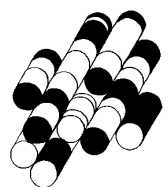
Your search returns **4** well records, which are displayed as red pins over blue dots.



Latitude:44.34640, Longitude:-79.67484 (UTM Zone:17, Easting:605623, Northing:4911202)

APPENDIX K

TERRAPROBE INC.



Mark Carhart

From: Ashlea Brown
Sent: Tuesday, September 17, 2019 11:12 AM
To: 'Amir Karim'
Subject: Huronia Road
Attachments: 521 Huronia Wetland.pdf

Hi Amir,

The subject property is entirely regulated by the Lake Simcoe Region Conservation Authority under Ontario Regulation 179/06 and the *Conservation Authorities Act* for the following features:

1. Provincially Significant Wetland and lands adjacent to a wetland
2. Floodplain
3. Watercourse and its associated erosion hazards

As such, permission is required prior to any development or re-development on the property. Please note that as per our Watershed Development Guidelines (Section 8.3) development and or interference in any way shall generally be prohibited within all wetlands. I have attached a map outline the area of Provincially Significant Wetland as mapped by the Ministry of Natural Resources and Forestry.

In addition, development is typically restricted in the floodplain and areas subject to erosion hazards.

We recommend pre-consultation with regards to any development proposal you are considering. You can come into our office or email in a preliminary site plan so we can provide detailed comments. Please also contact the City of Barrie Planning Department to determine any potential planning requirements from them.

If you have any further questions please do not hesitate to contact me.

Sincerely,

Ashlea Brown

Senior Environmental Regulations Analyst/Capital Projects Analyst

Lake Simcoe Region Conservation Authority

120 Bayview Parkway,

Newmarket, Ontario L3Y 3W3

905-895-1281, ext. 224 | 1-800-465-0437

a.brown@LSRCA.on.ca | www.LSRCA.on.ca

Twitter: @LSRCA

Facebook: LakeSimcoeConservation

Please note: the LSRCA Board of Directors approved a change to our Fee Policy. The new fees will take effect on January 1, 2019. Please click [here](#) for the new fee schedule.

The information in this message (including attachments) is directed in confidence solely to the person(s) named above and may not be otherwise distributed, copied or disclosed. The message may contain information that is privileged, confidential and exempt from disclosure under the Municipal Freedom of Information and Protection of Privacy Act and by the Personal Information Protection Electronic Documents Act. If you have received this message in error, please notify the sender immediately and delete the message without making a copy. Thank you.

From: Amir Karim [mailto:akarim@terraprobe.ca]

Sent: Tuesday, September 17, 2019 9:04 AM

To: Ashlea Brown
Subject: RE: Contact Us

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Hello Ashlea,

I can confirm that the highlighted property is the correct property.

Thank you,
Amir

From: Ashlea Brown <A.Brown@lsrca.on.ca>
Sent: Tuesday, September 17, 2019 8:23 AM
To: 'akarim@terraprobe.ca' <akarim@terraprobe.ca>
Subject: RE: Contact Us

Hi Amir,

I have attached a map of the property I believe is 521 (highlighted) please confirm this is the correct property.

Sincerely,

Ashlea Brown

Senior Environmental Regulations Analyst/Capital Projects Analyst
Lake Simcoe Region Conservation Authority
120 Bayview Parkway,
Newmarket, Ontario L3Y 3W3
905-895-1281, ext. 224 | 1-800-465-0437
a.brown@LSRCA.on.ca | www.LSRCA.on.ca

Twitter: @LSRCA
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From: noreply@formstack.com [<mailto:noreply@formstack.com>]
Sent: September 12, 2019 2:13 PM
To: Info Mail; Nancie Knight
Subject: Contact Us

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Formstack Submission For: [Contact Us](#)

Submitted at 09/12/19 2:12 PM

Your Name: Amir Karim

Your Email Address: akarim@terraprobe.ca

Area of Interest: Conservation Areas

Municipality/Region: Barrie

Comments:

Hello,

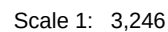
I'm conducting a phase one for a property located at 521 Huronia Road, Barrie. Based on my review, the property is situated in a conservation area.

Could details be provided for any restrictions/guidelines for the conservation area noted above?

Regards,
Amir

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Formstack, 11671 Lantern Road, Suite 300, Fishers, IN 46038



165

☐ Lower Tier Municipality

This product was produced by the Lake Simcoe Region Conservation Authority and some information depicted on this map may have been compiled from various sources. While every effort has been made to accurately depict the information, data/mapping errors may exist. This map has been produced for illustrative purposes from an interactive web mapping site. LSRCA GIS Services DRAFT printed 2019. © LAKE SIMCOE REGION CONSERVATION AUTHORITY, 2019. All Rights Reserved. The following data sets of Assessment Parcel, Roads, Upper & Lower Tier Municipalities, Wetlands are © Queens Printer for Ontario. Reproduced with Permission, 2019. The Current Regulation Limit and Boundary data sets are derived products from several datasets. Orthophotography 2002, 2005, 2007-2009, 2011-2018, © First Base Solutions, Inc.



I want to...

