REPORT

Phase One Environmental Site Assessment

1080 Lockhart Road, Barrie, Ontario

Submitted to:

DIV Development (Barrie) Ltd.

c/o Dorsay Development Corporation
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Toronto, Ontario
M5H 3S5

Submitted by:

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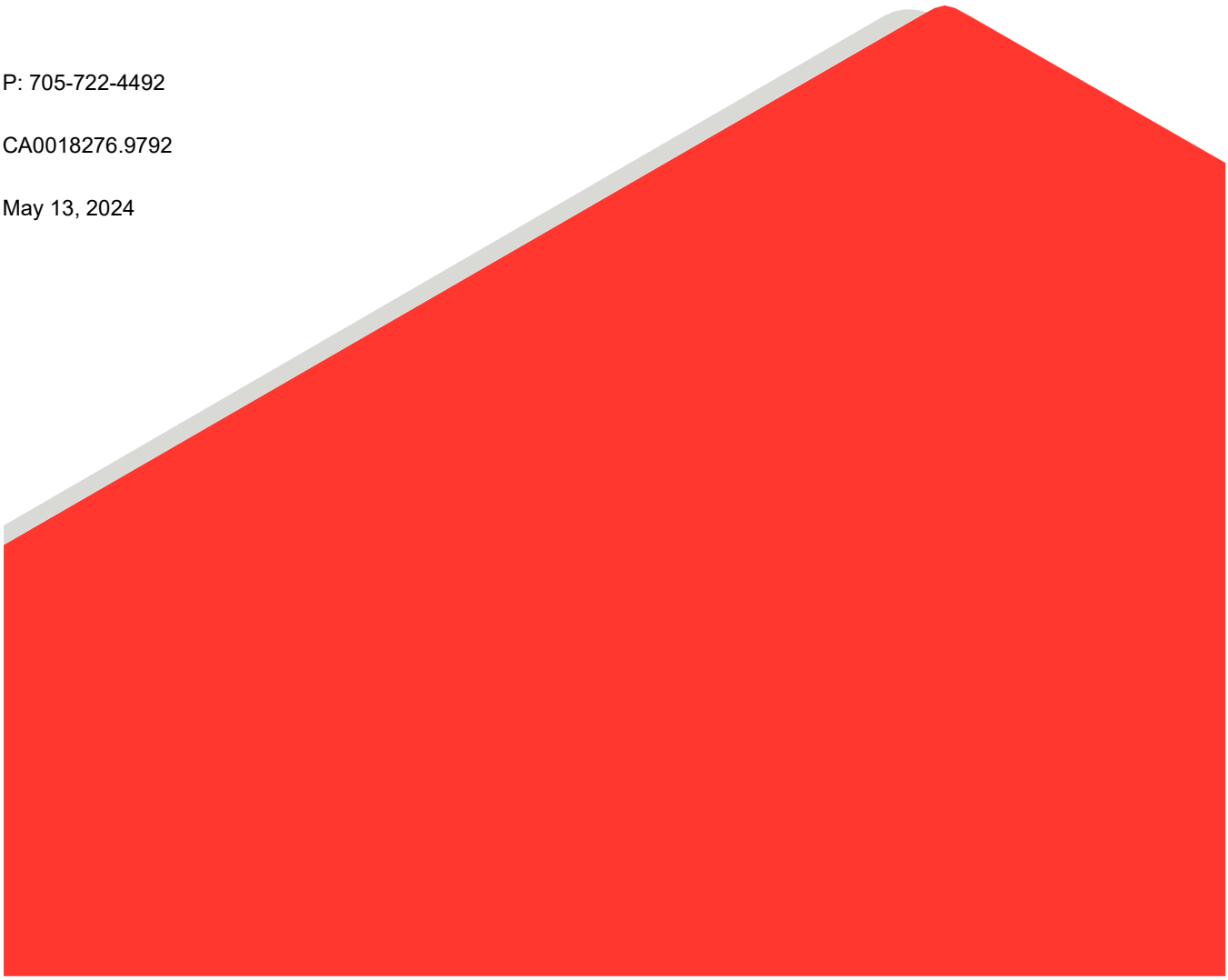

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Record of Issue

Clients	Version	Date Issued	Comments
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1.0 EXECUTIVE SUMMARY

WSP Canada Inc. (WSP) was retained by DIV Development (Barrie) Ltd. c/o Dorsay Development Corporation (the “Clients”) to conduct a Phase One Environmental Site Assessment (Phase One ESA) for the property located at 1080 Lockhart Road in Barrie, Ontario (Phase One Property).

At the time of the Site reconnaissance, conducted on December 20, 2023, the Phase One Property consisted of an 80.1 hectare (197.6 acres) parcel of agricultural land. No buildings were noted to be present at the Site. The Phase One Property is owned by a private owner.

The Phase One ESA was completed in general accordance with O.Reg. 153/04 and included a review of available current and historical information, a site visit, an interview, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 10.0 of this report. The Phase One Property is not considered an enhanced investigation property, as defined by O.Reg. 153/04.

Based on the information obtained and reviewed as part of this Phase One ESA, four potentially contaminating activities (PCA) and four areas of potential environmental concern (APEC) were identified. It is noted that three of the four APECs relate to the application of salt to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both along the roadways both on Site and adjacent to the Site. It is therefore the Qualified Person’s opinion, as per Section 49(1) of O. Reg. 153/04, as amended, that the site condition standards for electrical conductivity and sodium adsorption ratio are considered not to be exceeded along the roadways and immediate surrounding area. Accordingly, a Phase Two ESA would only be required to investigate APEC 4 to support the submission of an RSC, if an RSC is required.

A response to WSP’s request for information from the Ministry of the Environment, Conservation and Parks (MECP) was not available at the time of report preparation.

2.0 INTRODUCTION

2.1 Phase One Property Information

WSP was retained by the Clients to conduct a Phase One ESA of the following property:

Table 1:

Municipal Address	1080 Lockhart Road, Barrie, Ontario
Property Identification Number	All of PINs 58092-0059, 58092-0060, 58092-0061, and 58092-0062
Legal Description	Part of Lot 20, Concession 11 N, RP 51R4696 Parts 1 and 2, and Part of Lot 20, Concession 11 S, RP 51R6747 Part 1 and 51R19071 PART 1, Barrie ON

The legal description was provided to WSP by the Clients via email on April 22, 2024. If an RSC is required to be filed, an updated legal description can be provided if it differs from that provided above.

The location of the Phase One Property is provided in Figure 1. A plan describing the Phase One Property is provided in Figure 2. Signed and dated Plans of Survey, dated 2015, for the Phase One Property are provided in Appendix A. An updated Signed and dated Plan of Survey is required should an RSC be required to be filed for the Site.

The contact information for the Phase One Property is:

Site Owner / Client	Address	Contact Information
Clients: DIV Development (Barrie) Ltd. c/o Dorsay Development Corporation	130 Adelaide Street W., Suite 2200, M5H 3P5	Shahd Elshafei, M.Eng. Email: selshafei@dorsay.ca

3.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Phase One Property and a review of relevant and readily available environmental information for the surrounding properties located within a 250-metre (m) radius of the boundary of the Phase One Property (Phase One Study Area). The boundary of the Phase One Study Area is presented in Figure 2.

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

1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site.

2) Determine the need for a Phase Two Environment Site Assessment (Phase Two ESA).

3) Provide a basis for carrying out a Phase Two ESA.

4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA.

5) Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 m radius of the boundary of the Site. Based on WSP's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Site and observations of neighbouring properties made during the site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Phase One Property was sufficient to achieve the objectives of the Phase One ESA.

4.1.2 First Developed Use Determination

The date of the first developed use of the Phase One Property was determined based on review of aerial photographs, city directories, ERIS Report, insurance records and information provided by the Site representative. The Phase One Property was owned by private individuals from at least 1878 to present time, where it was developed for agricultural use. Residential use was noted to be present at the southern portion of the Site from at least 1917 (based on the age of the house) to approximately 2016/2017. Accordingly, the first developed use of the Phase One Property was 1878.

4.1.3 Insurance Records

WSP asked Opta Information Intelligence (Opta) to provide any fire insurance plans (FIPs) for the Phase One Property and property underwriters' reports (PURs) and property underwriters' plans (PUPs) related to the Phase One Property and surrounding properties. WSP was informed by Opta on December 14, 2023, that there were no records pertaining to the Phase One Property and surrounding properties.

4.1.4 Chain of Title

A chain of title was not completed as part of this Phase One ESA.

4.1.5 City Directories

A review of historical city directories for the years 1998, 1999, 2012, 2017 and 2021 was completed by LGI Copy Services Canada (LGI) for the Phase One Property and adjacent properties. Relevant findings from the city directory listings are presented below.

Phase One Property

- The Phase One Property was not listed in the city directories.

Adjacent Properties

- Listings at 3035 20th Sideroad were reported to consist of residential properties. No noteworthy listings were reported.

4.1.6 Environmental Reports

The following environmental reports (ordered from oldest to most recent) related to the Phase One Property were reviewed by WSP. It is noted that the following environmental reports were completed on a smaller portion of the larger Phase One Property (residential parcel at the southern portion of the Site), however contains relevant information related to the Site. WSP consulted these reports to develop an understanding of the environmental conditions at the Phase One Property and surrounding properties.

- "Phase One Environmental Site Assessment, 1080 Lockhart Road, Barrie, Ontario", Project Number 161-05163-00, prepared by WSP Canada Inc. for Dorsay Development Corporation, dated June 30, 2016 (2016 Phase One ESA).
- "Phase Two Environmental Site Assessment, 1080 Lockhart Road, Barrie, Ontario", Project Number 161-05163-00, prepared by WSP Canada Inc. for Dorsay Development Corporation, dated June 30, 2016 (2016 Phase Two ESA).

Noteworthy findings from these reports are summarized in the following sections.

2016 Phase One ESA

- WSP completed the 2016 Phase One ESA for due diligence purposes associated with the potential acquisition of the property. This 2016 Phase One ESA was completed for a smaller portion (residential area only) of the larger Phase One ESA property which is covered under the current Phase One ESA.
- The 2016 Phase One ESA was completed in general accordance with Ontario Regulation 153/04 (O.Reg. 153/04), Phase One Environmental Site Assessment.
- The subject property had an area of approximately 0.21 hectares (0.52 acres), with a two-storey residential structure, built in 1917.

- The Site was observed to be generally flat and was generally at grade with surrounding properties.
- Local groundwater flow was anticipated to flow to the east toward Lake Simcoe, located 4.5 kilometres (km) east to northeast of the Site.
- Potable water was supplied via a potable water well located at the central-western portion of the subject property.
- No above-ground storage tanks (ASTs) were identified at the subject property; however it was inferred that due to the age of the residence (approximately 99 years old), furnace oil was most likely used to heat the residence.
- A septic tile bed was located immediately north of the exterior of the residential structure. No issues were reported with the septic systems.
- Based on the conclusion of the 2016 Phase One ESA, the following issue of potential environmental concern was identified the possible presence of a potential historic furnace oil tank in the western portion of the residential structure at the subject property. However, it is noted that no visual evidence or records of the presence of such a tank were reported in the Phase One ESA.

2016 Phase Two ESA

- The Phase Two ESA investigation was completed to investigate an issue of potential environmental concern in association with the Phase One ESA completed concurrently with this investigation.
- The subject property had an area of approximately 0.21 hectares (0.52 acres), with a two-storey residential structure, built in 1917.
- A total of three boreholes were advanced at the property on April 15, 2016, to depths of 8.2 m below ground surface (bgs). The boreholes (BH16-1 to BH16-3) were completed as monitoring wells with depths to groundwater reported to range between 4.7 and 5.1 m bgs on May 16, 2016, with groundwater flow towards the northeast.
- Subsurface stratigraphy encountered during borehole advancement generally consisted of a layer of topsoil, underlain by a layer of fill consisting of silty sand or sandy silt, extending to a maximum depth of 2.2 m bgs. This fill material was then underlain by native silty sand to sandy silt that extended to the maximum depth of the investigation.
- Soil and groundwater analytical results were compared to the 2011 MOE (currently known as Ministry of Environment, Conservation and Parks (MECP)) Table 2 Site Condition Standards (SCSs) for residential/parkland/institutional (RPI) property use and coarse textured soils.
- Soil and groundwater samples were submitted for laboratory analysis of metals and inorganics, petroleum hydrocarbon fraction F1 to F4 (PHCs) and polycyclic aromatic hydrocarbons (PAHs). Analysed samples met the MECP Table 2 SCS for RPI property use and coarse textured soil.
- No additional investigations were considered warranted at the time.

4.2 Environmental Source Information

WSP contracted Environmental Risk Information Services Ltd. (ERIS) to conduct a search of environmental sources, including federal, provincial and private sector databases, for information on the Phase One Property and Phase One Study Area. The ERIS report is provided in Appendix B and included the residential parcel at the southern portion of the Site and its surrounding 250 metres.

There were no noteworthy records reported for the Phase One Property.

- Four water wells were present on the Phase One Property. These wells were used for monitoring purposes and were advanced in 2016 to depths of 8.0 m bgs. Subsurface stratigraphy was reported to generally consist of sand. Depth to bedrock and static water level were not reported; and

The following noteworthy listings were reported for the Phase One Study Area:

- A total of five water wells were reported to be present within the Phase One Study Area. These wells were used for domestic or livestock purposes and were installed between 1964 and 1997. The wells were advanced to depths ranging from 12.0 m bgs to 92.0 m bgs. In general, subsurface stratigraphy consisted of layers of sand or clay underlain by layers of clay, sand. Depth to bedrock was not reported.

4.2.1 Ministry of the Environment

A standard freedom of information (FOI) request was submitted to the MECP. At the time of preparation of this report, the MECP had not issued a response to this request.

4.2.2 Technical Standards and Safety Authority, Fuel Safety Division Records

The Technical Standards and Safety Authority (TSSA) maintains records related to registered underground storage tanks (USTs) for petroleum-related products. The TSSA was contacted to establish the status of the Phase One Property and to identify outstanding instructions, incident reports, fuel oil spills or contamination records. On January 9, 2024, TSSA reported via e-mail that there were no records on file pertaining to the Phase One Property. A copy of this response is provided in Appendix C.

4.3 Physical Setting Sources

4.3.1 Aerial Imagery

Aerial imagery for the Phase One Property and the surrounding area was reviewed by WSP. Information obtained from the review of the aerial photographs is summarized in the following table.

Year	Phase One Property	Surrounding Area
1954	The Site is comprised of agricultural fields with a forested area at the central portion of the Site and a residential structure at the southeast portion. An agricultural structure is noted to be present at the northern portion of the Site.	North: Agricultural fields and associated structures South: Agricultural fields with associated structures and residential land uses East: Agricultural fields, forested areas and residential land use. West: Agricultural fields and associated structures
1978	Generally, as per the 1954 aerial photograph.	Generally, as per the 1954 aerial photograph.
1989	Generally, as per the 1978 aerial photograph; with the exception of a tributary noted to be present at the northern portion of the Site.	Generally, as per the 1978 aerial photograph, with the exception of increased residential development within the Study Area.

Year	Phase One Property	Surrounding Area
1997	Generally, as per the 1989 aerial photograph.	Generally, as per the 1989 aerial photograph.
2012	Generally, as per the 1997 aerial photograph.	Generally, as per the 1997 aerial photograph.
2023	The Site appears to be comprised of agricultural land; no buildings or structures are noted to be present. Forested areas are noted to be present at the central portion of the Site and the tributary remains evident in the northern portion of the Site.	Generally, as per the 2012 aerial photograph, with the exception of construction for residential development noted to be present northwest of the Site and the presence of industrial use (APEX Aggregates) to the east of the Site.

The Phase One Property was owned by private individuals from at least 1878 to present time, where it was developed for agricultural use. Residential use was noted to be present at the southern portion of the Site from at least 1917 (based on the age of the building) to approximately 2016/2017. Accordingly, the first developed use of the Phase One Property was 1878.

4.3.2 Topography, Hydrology and Geology

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

Topic	Conditions	Comment / Source
Topography of Site and Surrounding Area	The Site is generally flat with an elevation of 253 m above sea level (asl), with a slight downward sloping to the north.	Site and surrounding area observations
Overburden Soils	Over burden soils consist of sand and gravel surrounded by fine-grained sandy-silt to silty-sand textured soils. Subsurface stratigraphy encountered during borehole advancement in the 2016 Phase Two ESA investigation generally consisted of a layer of topsoil, underlain by a layer of fill consisting of sandy silt to silty sand, extending to a maximum depth of 2.2 mbgs. This fill material was then underlain by layers of native sandy silt to silty sand.	Surficial Geology of Southern Ontario. Ontario Geological Survey, Miscellaneous Release – Data 128-REV. scale 1:50,000 2016 Phase Two ESA Investigation
Type of Bedrock	Lindsay Formation (consisting primarily of limestone) and Verulam Formation (consisting primarily of limestone and shale)	Bedrock Geology of Ontario. Ontario Geological Survey, Miscellaneous release – Data 126 – Revision 1. Scale 1:250,000
Depth to Bedrock	Bedrock was not encountered during borehole advancement in the 2016 investigation, however, based on a review of well records within the Phase One Study Area, bedrock is inferred to be present at a depth of approximately 93 mbgs.	ERIS Report 2016 Phase Two ESA Investigation
Inferred Near Surface Groundwater Flow	Regional groundwater flow in the underlying aquifers is typically to the east to northeast toward Lake Simcoe (4.5 km east of the Site). Based on the Site topography, and the Phase Two ESA investigation conducted in 2016, local groundwater flow is in a northerly direction.	2016 Phase Two ESA

Topic	Conditions	Comment / Source
	Buried utilities and other underground structures can affect local (shallow) groundwater flow conditions. Inferred groundwater flow directions are subject to confirmation with field measurements.	
Site Grade Relative to the Adjoining Properties	The Site appears to follow the topography of the area and is at grade with respect to properties located adjacent to the Site, with the exception of properties to the north which appear to be at a slightly lower elevation.	Site observations
Depth to Groundwater	Groundwater was encountered at depths ranging from 4.7 to 5.1 mbgs in the 2016 Phase Two ESA.	2016 Phase Two ESA Investigation

4.3.3 Fill Materials

Topic	Conditions	Comment / Source
Fill Materials	None observed or reported at the time of the Site Visit. The 2016 Phase Two ESA reported that fill was encountered underneath the topsoil and extended to maximum depths of 2.2 mbgs.	Site observations, Site representative

4.3.4 Water Bodies, Areas of Natural Significance and Groundwater Information

Topic	Conditions	Comment / Source
Nearest Open Water Body	Two unnamed tributaries are present within the central and northern portions of the Phase One Property which flows easterly and ultimately discharge to Lake Simcoe, located 4.5 km east to northeast of the Site.	Ontario Base Map, site visit
Areas of Natural Significance (ANSI)	None identified within the Phase One Study Area.	Ministry of Natural Resources and Forestry, Make a Map, Natural Heritage Areas on-line database. Areas of Natural & Scientific Interest Map
Provincial Parks or Conservation Reserves	Not present.	Ministry of Natural Resources Natural Heritage Information Centre on-line database.
Provincially Significant Wetlands or Designated Wilderness Areas	Not present.	Ministry of Natural Resources Natural Heritage Information Centre on-line database.
Environmentally Significant Areas per Municipal Official Plan(s)	Not present.	
Areas Designated Under the Niagara Escarpment Plan or the Oak Ridges Moraine Conservation Plan	Not present.	Ministry of Natural Resources Natural Heritage Information Centre on-line database.

Topic	Conditions	Comment / Source
Threatened or Endangered Species Habitat	The Eastern Meadowlark was identified as a threatened species within 1 km of the Phase One Property.	Ministry of Natural Resources Natural Heritage Information Centre on-line database
Wellhead Protection Areas	The Phase One Study Area is not located within a well-head protection area or other area identified by a municipality in its official plan for the protection of ground water.	MECP Source Protection Atlas, Official Plans
Municipal Drinking Water Distribution Systems	A historic potable water well was identified at the Site during the 2016 Phase One ESA investigation. Utility plans were not provided to WSP for review.	Google Street view, site visit

4.3.5 Well Records

Topic	Conditions	Comment / Source
Wells (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table)	The ERIS reported four water wells were present on the Phase One Property. These wells were used for monitoring purposes and were advanced in 2016 to depths of 8.0 mbgs. Subsurface stratigraphy was reported to generally consist of sand. Depth to bedrock and static water level were not reported. The 2016 Phase Two ESA Investigation included the four monitoring wells described above with depths to groundwater ranging between 4.7 and 5.1 m bgs in May 2016.	ERIS Report and Site observations

4.4 Site Operating Records

At the time of the site visit, the Phase One Property was agricultural land. No Site operating records were provided to WSP for review.

Topic	Title of the information or document	Information Relevant to the Phase One ESA
Regulatory Permits and Records	None	None
Safety Data Sheets (SDS)	None	None
Underground utility drawings	Not available	None
Inventory of ASTs and USTs	Not available	None
Environmental monitoring data, including data created in response to an order or request of the Ministry	None	None
Waste management records, including current and historical waste storage location and waste receiver information maintained by the Ministry	None	None
Process, production and maintenance documents related to areas of potential environmental concern (APECs)	None	None

Topic	Title of the information or document	Information Relevant to the Phase One ESA
Records of spills and records of discharges of contaminants, including records of spills and records of discharges of contaminants of which notice is required to be given to the Ministry under the Act and records of such spills and discharges required to be kept pursuant to O.Reg. 675/98	None	None
Emergency response and contingency plans, including spill prevention and contingency plans prepared pursuant to section 91.1 of the Act, and O.Reg. 224/07	None	None
Environmental audit reports	None	None
A Site plan of the facility	None	None

5.0 INTERVIEWS

Mrs. Shahd Elshafei, M.Eng., of DIV Development (Barrie) Ltd. responded to a detailed environmental questionnaire on December 12, 2023. Pursuant to the requirements O.Reg. 153/04, the Site Representative was interviewed as a person with knowledge of current Site operations.

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

6.0 SITE RECONNAISSANCE

6.1 General Requirements

Ms. Nicole Corbett (Environmental Scientist) of WSP visited the Phase One Property for two hours on December 20, 2023 at 1:00 pm. The site visit consisted of a walk-around the Phase One Property along with a cursory inspection of surrounding properties from the Phase One Property and publicly accessible areas. The weather conditions were overcast and the temperature was approximately 0°C. The Phase One Property was developed as agricultural land at the time of the site visit. The ground was covered by snow which limited the ability to observe the ground cover. Photographs of relevant features noted during the site visit are provided in Appendix D.

6.2 Specific Observations at Phase One Property

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

Topic	Observations	Source
Structures		
Number and Age of Buildings on the Site	No buildings were identified on Site at the time of the site reconnaissance. Two three-walled dilapidated sheds were identified at the northern-central portion of the Site	Site observations, Site Representatives
General Descriptions of Each Building (including improvements	No buildings were identified on Site at the time of the site reconnaissance. Two three-walled dilapidated sheds were identified at the northern-central portion of the Site	Site observations, Site Representatives

Topic	Observations	Source
Building Areas	No buildings were identified on Site at the time of the site reconnaissance. Two three-walled dilapidated sheds were identified at the northern-central portion of the Site	Site observations
Number of Floors (include all levels, whether above or below ground)	None were identified at the time of the site visit.	Site observations
Number, Age, and Depth of Levels Below Ground Level	None were identified at the time of the site visit.	Site observations
Number and Details of all ASTs	No ASTs were observed or reported on the Phase One Property.	Site observations and Site Representatives 2016 Phase One ESA
Number and Details of all Underground Storage Tanks (USTs)	No USTs were observed or reported on the Phase One Property.	Site observations and Site Representatives
Underground Utilities		
Potable and Non-Potable Water Sources	Potable water was previously supplied to the former residence by a drilled well (MECP Well ID 5701424). The well was drilled to a depth of 12.8 metres below ground surface on November 21, 1964. There is no decommissioning record filed with the MECP and thus, it is anticipated that the well remains on-Site. Per O.Reg.903, a licensed well technician will be required to decommission the well prior to Site development.	Site Representatives
Utility Lines Present (i.e. Electrical, Natural Gas, other)	No utility drawings are available for the Site. Hydro lines were identified to be present along 20th Sideroad along the eastern perimeter of the Phase One Property.	Site Representatives
Sanitary/Process Wastewater Receptor	No sanitary or process wastewater is generated on-Site.	Site observations
Sanitary Sewer Connection	No sanitary sewer connection is available at the Site.	Site observations, Site representatives
Septic Systems	No septic system is noted at the Site. If the septic system has not been decommissioned, it will require decommissioning prior to construction.	Site observations, Site representatives
Storm Water Flow	Infiltration.	Site observations
Storm Sewer Connection	No storm sewer connection is available at the Site.	Site observations, Site representatives
Interior of Structures		
Entry and Exit Points for Site Buildings	No buildings were identified on site at the time of the site reconnaissance.	Site observations
Existing and Former Heating System(s) (include fuel type / source)	No buildings were identified on site at the time of the site reconnaissance.	Site observations, Site representatives

Topic	Observations	Source
Existing and Former Cooling System(s) (include fuel type / source)	No buildings were identified on site at the time of the site reconnaissance.	Site observations, Site representatives
Drains, Pits, and Sumps (include current use, if any, and former use)	No buildings were identified on site at the time of the site reconnaissance.	Site observations, Site representatives
Unidentified Substances	None.	Site observations
Floor Stains or Corrosion Located near a Potential Discharge Location	No buildings were identified on site at the time of the site reconnaissance.	Site observations
Miscellaneous Exterior		
Location of any Current and Former Wells	Eleven monitoring wells were identified at the Phase One Property. Three wells were advanced on site as part of a Phase Two ESA completed by WSP in 2016 for groundwater monitoring/sampling purposes. The use of the remaining wells on Site are unknown at this time. Per O.Reg.903, a licensed well technician will be required to decommission the wells prior to Site development.	Site observations, previous reports, Site representatives
Ground Cover (i.e. grass, gravel, soil, or pavement, etc.)	The Phase One Property was covered by snow and the Site assessor was not able to observe the ground cover. The Site appeared to be agricultural land.	Site observations
Current or Former Railway Lines or Spurs	None observed on the Site.	Site observations.
Presence of Stained Soil, Vegetation, or Pavement	The Phase One Property was covered by snow and the Site assessor was not able to observe stained areas.	Site observations
Presence of Stressed Vegetation	The Phase One Property was covered by snow and the Site assessor was not able to observe the vegetation. Based on previous visits and the current use of the Site (vacant), this is not anticipated to significantly alter the findings of the report.	Site observations
Areas Where Fill and/or Debris Materials Appear to Have Been Placed	None identified. The Site Representatives reported that they have never imported fill to the Site.	Site observations, Site representatives
Potentially Contaminating Activity	None identified.	Site observations
Unidentified Substances	None identified.	Site observations

6.2.1 Enhanced Investigation Property

The Site is not considered to be an enhanced investigation property; however, the investigation was conducted in a manner consistent with the requirements for enhanced investigation properties as described in subsection 13(3) of O.Reg. 153/04. Relevant information is reported in the following table:

Topic	Observations	Source
Operations at the property, including processing or manufacturing	The Site is used for agricultural crop production. No processing or manufacturing processes were observed or reported.	Site observations and interview
Hazardous materials used or stored at the Phase one property	None observed or reported.	Site observations and interview
Products manufactured at the Phase one property	None observed or reported.	Site observations and interview
By-products and wastes at the Phase one property	None observed or reported.	Site observations and interview
Raw materials handling and storage locations at the Phase one property	None observed or reported.	Site observations and interview
Location and contents of drums, totes and bins at the Phase one property	None observed or reported.	Site observations and interview
The location, installation date, source of incoming liquid and effluent discharge location for all oil-water separators	None observed or reported.	Site observations and interview
All vehicle and equipment maintenance areas, including the locations of maintenance, fluid storage, and waste storage areas	None observed or reported.	Site observations and interview
Details of all spills including the dates, locations, materials involved, and volumes of material spilled	None observed or reported.	Site observations and interview
Details of liquid discharge points such as water and French drains, including their locations	None observed or reported.	Site observations and interview
Details of all hydraulic lift equipment at the property, including elevators, in-ground hoists and loading docks	None observed or reported.	Site observations and interview

6.3 Surrounding Land Use

During the site visit, a visual reconnaissance of the outdoor operations in the Phase One Study Area was carried out from the Site and publicly accessible areas. The surrounding properties include residential, agricultural, and commercial uses (Figure 2).

North (down-gradient): The area immediately north of the Phase One Property includes Mapleview Drive, agricultural land, and re-development for residential subdivisions.

East (cross to down-gradient): The area immediately east of the Phase One Property includes 20th Sideroad followed by agricultural land and APEX Aggregates.

West (cross to up-gradient): The area immediately west of the Phase One Property includes agricultural land.

South (up-gradient): The area immediately south of the Phase One Property includes Lockhart Road, agricultural land and residential dwellings.

6.4 Written Description of Investigation

At the time of the Site reconnaissance, conducted on December 20, 2023, the Phase One Property consisted of an 80.1 hectare (197.6 acres) parcel of agricultural land. No buildings were noted on the Phase One Property. The surrounding properties within the Phase One Study Area included residential, agricultural, and commercial uses.

The Site reconnaissance indicated the presence of one PCA (agricultural land use with pesticide application) at the Phase One Property. The area reconnaissance indicated the presence of three PCAs within the Phase One Study Area (road salt application on nearby roads, off site ASTs to the east and the fill piles to the north of the Site).

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses of the Site

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

Phase One Property				
Year	**Name of Owner**	**Description of Property Use**	**Property Use**	**Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.**
1878 – 1954	Private Owners	Agricultural	Agricultural or other use	The 1878 historical county atlas indicates the subject property was owned by private individuals and used for vacant agricultural land until at least 1917 when the house was built.
1954 – 2016	Private Owners	Residential and agricultural	Residential and agricultural	The aerial photographs between 1954 and 2016 indicate the presence of a residential structure at the southern portion of the Site.
2016 – Present Day	Private Owners	Agricultural	Agricultural or other use	The aerial photographs and site reconnaissance indicated the Site is used for vacant agricultural land.

The Phase One Property was owned by private individuals from at least 1878 to present time, where it was developed for agricultural use. Residential use was noted to be present at the southern portion of the Site from at least 1917 (based on the age of the building) to approximately 2016/2017. Accordingly, the first developed use of the Phase One Property was 1878.

7.2 Potentially Contaminating Activity

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

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Phase One Property	#40. – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications – The Site is currently used for agricultural land and may have been subject to the application of pesticides for crop management.	2016 Phase Two ESA, aerial photographs, and Site observations	The PCA is located on the Phase One Property and must be identified as an APEC. The fill materials are anticipated to affect the uppermost soil layers at the Phase One Property due to the nature of the potential contaminants of concern.
Phase One Study Area	#28. Gasoline and Associated Products Storage in Fixed Tanks – Two ASTs were identified at the APEX aggregates facility located 20 m east of the Site.	Site visit	Based on the distance of this PCA and the direction of groundwater flow, this PCA is not anticipated to result in an APEC.
	#30. Importation of Fill Material of Unknown Quality – Fill piles were noted on the property to the north, across Mapleview Drive.	Site visit	Based on the distance of this PCA and the direction of groundwater flow, this PCA is not anticipated to result in an APEC.
	N/S. Application of De-Icing Agents – Several roadways adjacent to the perimeter of the Phase One Property.	Site visit	Based on the type of contaminants associated with this PCA and proximity to the Phase One Property, this PCA is identified as an APEC.

7.3 Areas of Potential Environmental Concern

A summary of the APECs identified at the Phase One Property is provided in the following table. The APEC locations are presented in Figure 4.

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or Sediment)
[4]APEC 1 – Application of De-Icing Agents	North adjacent to the Phase One Property	N/S. Application of De-Icing Agents	Off-Site	Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), Na, Cl	Soil and groundwater

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or Sediment)
[4]APEC 2 – Application of De-Icing Agents	East adjacent to the Phase One Property	N/S. Application of De-Icing Agents	Off-Site	EC, SAR, Na, Cl	Soil and groundwater
[4]APEC 3 – Application of De-Icing Agents	South adjacent to the Phase One Property	N/S. Application of De-Icing Agents	Off-Site	EC, SAR, Na, Cl	Soil and groundwater
APEC 4 – Pesticide use at the Phase One Property from long-term agricultural usage.	Phase One Property	#40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OC Pesticides, metals, hydride-forming metals, cyanide, mercury	Soil and groundwater

Notes

1 Area of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through, •(a) identification of past or present uses on, in or under the phase one property, and •(b) identification of potentially contaminating activity

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

3 Contaminants of potential concern specified using the method groups as identified in the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality, March 9, 2004, amended as of February 19, 2021.

4 Based on information gathered through historical information review, WSP understands that the Site is not used, and has not been used, for manufacturing, processing, or bulk storage of salt. Further, WSP understands that salt has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both along the roadways both on Site and adjacent to the Site. It is therefore the Qualified Person's opinion, as per Section 49(1) of O. Reg. 153/04, as amended, that the site condition standards for electrical conductivity and sodium adsorption ratio are considered not to be exceeded along the roadways and immediate surrounding area. Salt application to the roadways has been included as an APEC for completeness.

7.4 Conceptual Site Model

The following key features (as required by O.Reg. 153/04) are presented in Figures 1, 2, 3, and 4:

- existing buildings and structures
- water bodies and areas of natural significance located in the Phase One Study Area
- drinking water wells on the Phase One Property
- roads (including names) within the Phase One Study Area
- uses of properties adjacent to the Phase One Property
- location of PCAs in the Phase One Study Area (including any storage tanks)

The following describes the Phase One CSM based on the information obtained and reviewed as part of this Phase One ESA:

- The Phase One Property consisted of an 80-hectare (197 acre) parcel of agricultural land. No buildings were noted on the Phase One Property.
- No areas of natural and scientific interest are present in the Phase One Property and Phase One Study Area.
- A historic potable water well was noted to be formerly present on site, however no municipal drinking water system was noted to be present on the Site. Eleven monitoring wells were identified on the Phase One Property during the site visit. Five water wells were reported to be present within the Phase One Study Area. These wells were used for domestic or livestock purposes and were installed between 1964 and 1997. The wells were advanced to depths ranging from 12.0 m bgs to 92.0 m bgs.
- At the time of the Phase One ESA, the Phase One Property was used for agricultural crop production. The Phase One Property was owned by private individuals from at least 1878 to present time, where it was developed for agricultural use. Residential use was noted to be present at the southern portion of the Site from at least 1917 (based on the age of the building) to approximately 2016/2017. Accordingly, the first developed use of the Phase One Property was 1878. There are no indications that the Phase One Property was used for an industrial use or any of the following commercial uses: vehicle service garage, bulk liquid dispensing facility (including gasoline outlets), or dry cleaning facility.
- At the time of the Phase One ESA, the neighbouring properties within the Phase One Study Area consisted of residential, agricultural, and commercial land uses. There were no industrial uses in the Phase One Study Area. There were no bulk liquid dispensing facilities (including gasoline outlets) in the Phase One Study Area.
- The following relevant PCAs and contaminants of potential concern were identified on the Phase One Property or in the Phase One Study Area:

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or Sediment)
APEC 1 – Application of De-Icing Agents[4]	North adjacent to the Phase One Property	N/S. Application of De-Icing Agents	Off-Site	Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), Sodium (Na), Chloride (Cl)	Soil and groundwater
APEC 2 – Application of De-Icing Agents[4]	East adjacent to the Phase One Property	N/S. Application of De-Icing Agents	Off-Site	EC, SAR, Na, Cl	Soil and groundwater
APEC 3 – Application of De-Icing Agents[4]	South adjacent to the Phase One Property	N/S. Application of De-Icing Agents	Off-Site	EC, SAR, Na, Cl	Soil and groundwater
APEC 4 – Pesticide use at the Phase One Property	Phase One Property	#40. Pesticides (including	On-Site	OC Pesticides, metals, hydride-	Soil and groundwater

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or Sediment)
from long-term agricultural usage.		Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications		forming metals, cyanide, mercury	

Notes

1 Area of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through, •(a) identification of past or present uses on, in or under the phase one property, and •(b) identification of potentially contaminating activity

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

3 Contaminants of potential concern specified using the method groups as identified in the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality, March 9, 2004, amended as of February 19, 2021.

4 Based on information gathered through historical information review, WSP understands that the Site is not used, and has not been used, for manufacturing, processing, or bulk storage of salt. Further, WSP understands that salt has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both along the roadways both on Site and adjacent to the Site. It is therefore the Qualified Person's opinion, as per Section 49(1) of O. Reg. 153/04, as amended, that the site condition standards for electrical conductivity and sodium adsorption ratio are considered not to be exceeded along the roadways and immediate surrounding area. Salt application to the roadways has been included as an APEC for completeness.

- No utility drawings are available for the Phase One Property.
- Soil at the Phase One Property consists primarily of sand and gravel surrounded by fine-grained sandy-silt to silty-sand textured soils. Subsurface stratigraphy encountered during borehole advancement in the 2016 Phase Two ESA investigation generally consisted of a layer of topsoil, underlain by a layer of fill consisting of sandy silt to silty sand, extending to a maximum depth of 2.2 mbgs. This fill material was then underlain by layers of native sandy silt to silty sand.
- The bedrock at the Phase One Property was indicated to be of the Lindsay Formation (consisting primarily of limestone) and Verulam Formation (consisting primarily of limestone and shale). Bedrock was not encountered during borehole advancement in the 2016 investigation, however, based on a review of well records within the Phase One Study Area, bedrock is inferred to be present at a depth of approximately 93 m bgs.
- Local groundwater is anticipated to flow in a northerly direction toward the on-Site tributaries, which ultimately discharge to Lake Simcoe, located approximately 4.5 km east to northeast of the Site. Groundwater was encountered at depths ranging from 4.7 to 5.1 m bgs in the 2016 Phase Two ESA investigation.

7.4.1 Uncertainty and Absence of Information

A response to WSP's request for information from the MECP was not available at the time of writing this report. It is not anticipated that the lack of this information will affect the findings of this report based on the review of historical reports outlined above.

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

8.0 CONCLUSIONS

8.1 Need for a Phase Two ESA

Based on the information obtained and reviewed as part of this Phase One ESA, four APECs were identified at the Phase One Property. It is noted that three of the four APECs relate to the application of salt to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both along the roadways both on Site and adjacent to the Site. It is therefore the Qualified Person's opinion, as per Section 49(1) of O. Reg. 153/04, as amended, that the site condition standards for electrical conductivity and sodium adsorption ratio are considered not to be exceeded along the roadways and immediate surrounding area.

Accordingly, a Phase Two ESA would be required to investigate APEC 4 to support the submission of an RSC, if an RSC is required.

9.0 REFERENCES

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

Source	Date
Ontario Base Mapping, Ontario Ministry of Natural Resources – obtained by ERIS	December 14, 2023
Bedrock Geology of Ontario, Ontario Geological Survey 2011	Bedrock Geology of Ontario. Geological Survey Map Miscellaneous release – Data 126 – Revision 1. Scale 1:250,000
The Surficial Geology of Southern Ontario, Ontario Geological Survey 2010	Ontario Geological Survey 2010. Surficial Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 128-REV. scale 1:50,000
MECP Source Protection Information Atlas (online)	December 14, 2023
Ministry of Natural Resources and Forestry, Make a Map: Natural Heritage Areas on-line database	December 14, 2023
Area of Natural & Scientific Interest, Ontario Ministry of Natural Resources – obtained by ERIS	December 14, 2023
Aerial Photographs – obtained by LGI on behalf of WSP.	1954, 1978, 1989, 1997, 2012 and 2023
Fire Insurance Plan, Property Underwriters' Plans and Reports, obtained by Opta on behalf of WSP.	FIP – none PURs – none PUPs – none
City Directories, obtained by LGI on behalf of WSP.	1998, 1999, 2012, 2017 and 2021
Environmental Risk Information Services	December 11, 2023
Previous Reports	2016 Phase One and Two ESA

10.0 LIMITATIONS AND USE OF REPORT

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

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

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices. There is the potential that emerging contaminants may be present, noting that there may be limited information available to WSP describing the use, handling and/or storage of these contaminants at the Site and in the surrounding area. Contaminants may be present in soil, groundwater and/or sediment that are unrelated to the former and current uses of the Site and cannot be detected through a review of readily accessible sources of information. The Report is a desktop assessment, and an intrusive investigation would be required to further reduce the risk.

11.0 CLOSURE

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

Signature Page

The objectives and requirements set out O.Reg. 153/04 for a Phase One Environmental Site Assessment were applied in carrying out the environmental site assessment and preparing this report.

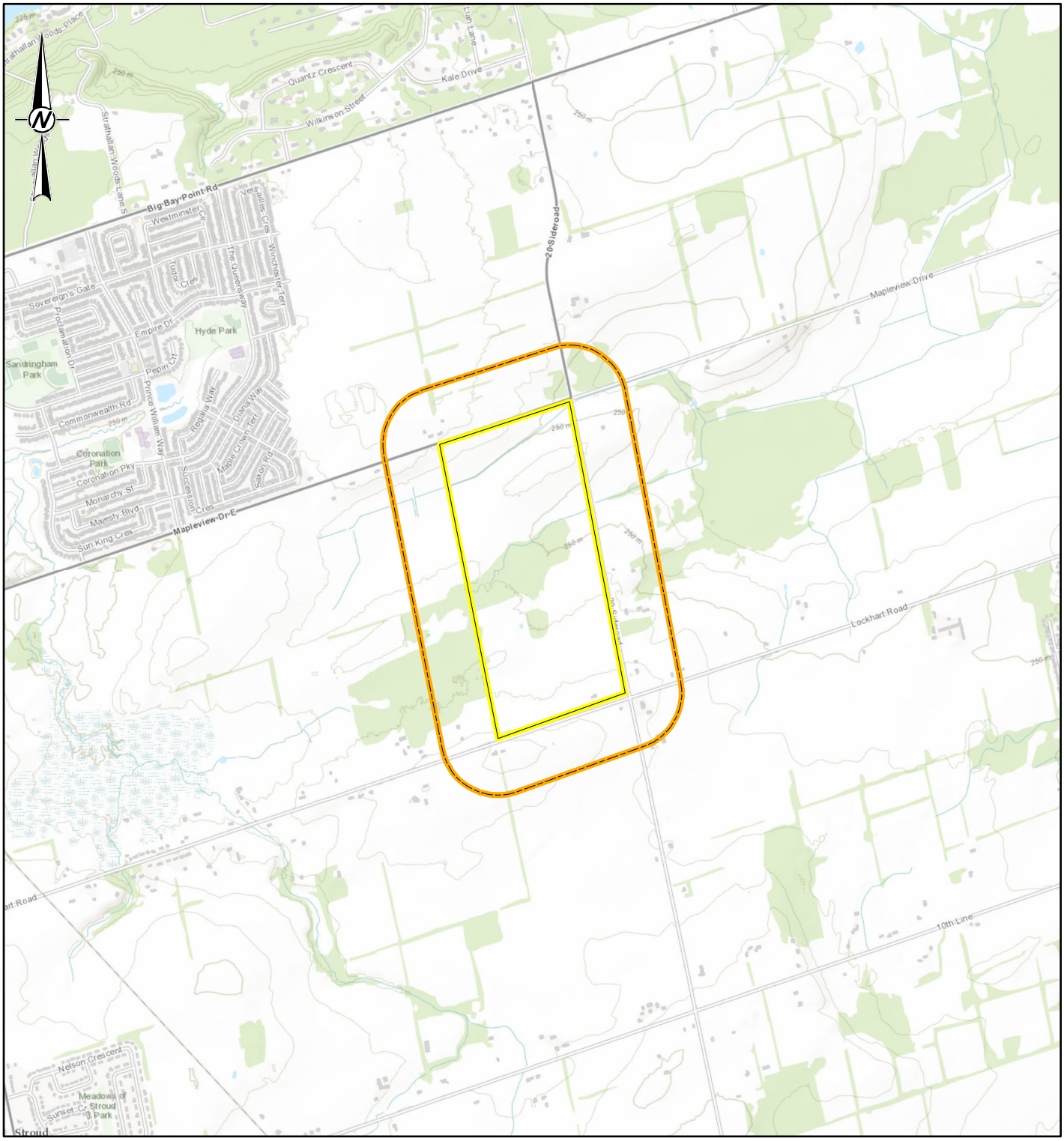
WSP Canada Inc.

Christi Groves, B.Sc.(Hons)
Principal, Senior Environmental Scientist

Leanne Burns (MSc, PEng)
Senior Principal Environmental Engineer

CLG/LB/ms

Figures



LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA

0 500 1,000

1:25,000 METRES

NOTE(S)

1. PHASE ONE PROPERTY CENTROID COORDINATES = 612286.89 E, 4911768.22 N.
2. PHASE ONE PROPERTY AREA = 78.27 HECTARES.

REFERENCE(S)

2. BASE MAP: CITY OF BARRIE, CITY OF BRAMPTON, CITY OF TORONTO, COUNTY OF SIMCOE, YORK REGION, PROVINCE OF ONTARIO, ONTARIO MNR, ESRI CANADA, ESRI, HERE, GARMIN, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAFC, NRCAN
3. PROJECTION: NAD 1983 UTM ZONE 17N, TRANSVERSE MERCATOR

CLIENT
DORSAY DEVELOPMENT CORPORATION

PROJECT
1080 LOCKHART ROAD, BARRIE, ONTARIO

TITLE
KEY PLAN

CONSULTANT

wsp

YYYY-MM-DD	2024-01-12
DESIGNED	SE
PREPARED	GU
REVIEWED	SE
APPROVED	---

PROJECT NO.	CONTROL	REV.	FIGURE
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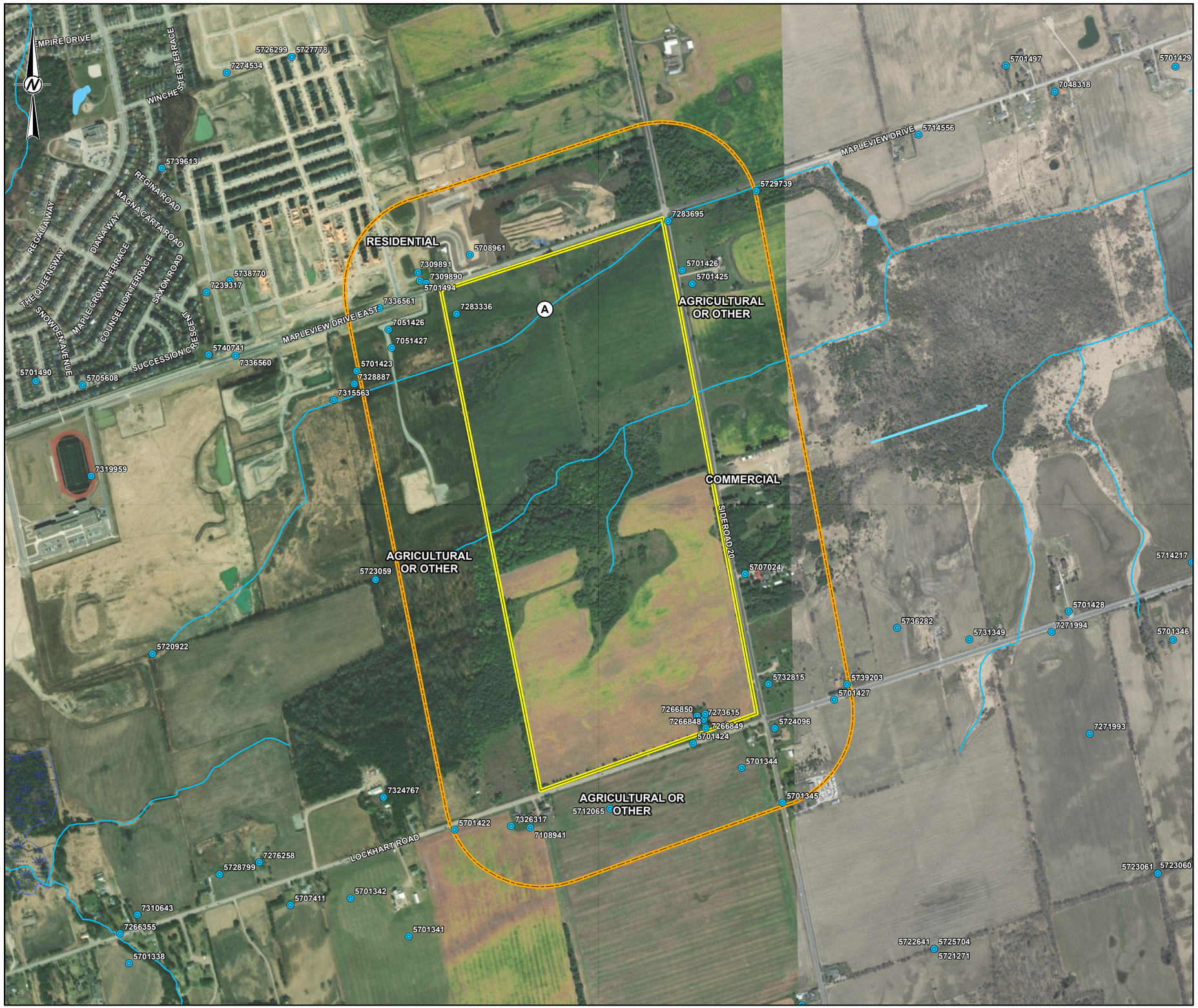

LEGEND

- WELL RECORD
- INFERRED GROUNDWATER FLOW DIRECTION
- WATERCOURSE
- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA
- WATER BODY
- WETLAND

SITE FEATURES

ID	DESCRIPTION
A	UNNAMED TRIBUTARY

0 200 400

1:10,000 METRES

NOTE(S)

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
2. BASE MAP: CITY OF BARRIE, MAXAR
3. PROJECTION: NAD 1983 UTM ZONE 17N, TRANSVERSE MERCATOR

CLIENT
DORSAY DEVELOPMENT CORPORATION

PROJECT
1080 LOCKHART ROAD, BARRIE, ONTARIO

TITLE
PHASE ONE PROPERTY AND PHASE ONE STUDY AREA

CONSULTANT

wsp

YYYY-MM-DD	2024-01-12
DESIGNED	SE
PREPARED	GU
REVIEWED	SE
APPROVED	---

PROJECT NO.	CONTROL	REV.	FIGURE
CA0018276.9792	0001	A	2

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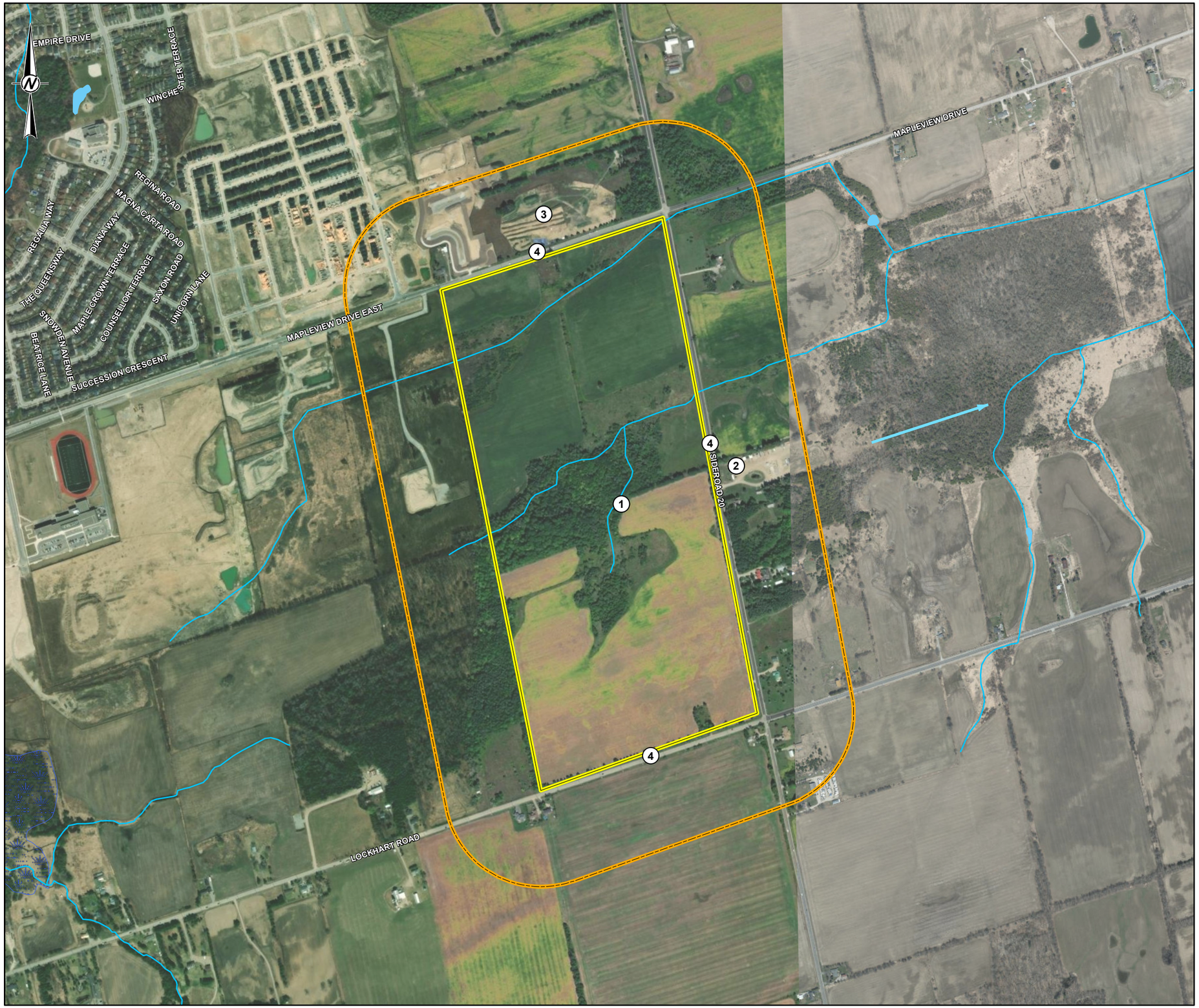


LEGEND

- WELL RECORD
- INFERRED GROUNDWATER FLOW DIRECTION
- WATERCOURSE
- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA
- WATER BODY
- WETLAND

LABEL	PCA	DESCRIPTION
1	40 - PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS	PESTICIDE USE
2	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	CURRENT ASTS
3	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	FILL PILES
4	OTHER	APPLICATION OF DE-ICING AGENTS

0 200 400
1:10,000 METRES

NOTE(S)

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
2. BASE MAP: CITY OF BARRIE, MAXAR
3. PROJECTION: NAD 1983 UTM ZONE 17N, TRANSVERSE MERCATOR

CLIENT
DORSAY DEVELOPMENT CORPORATION

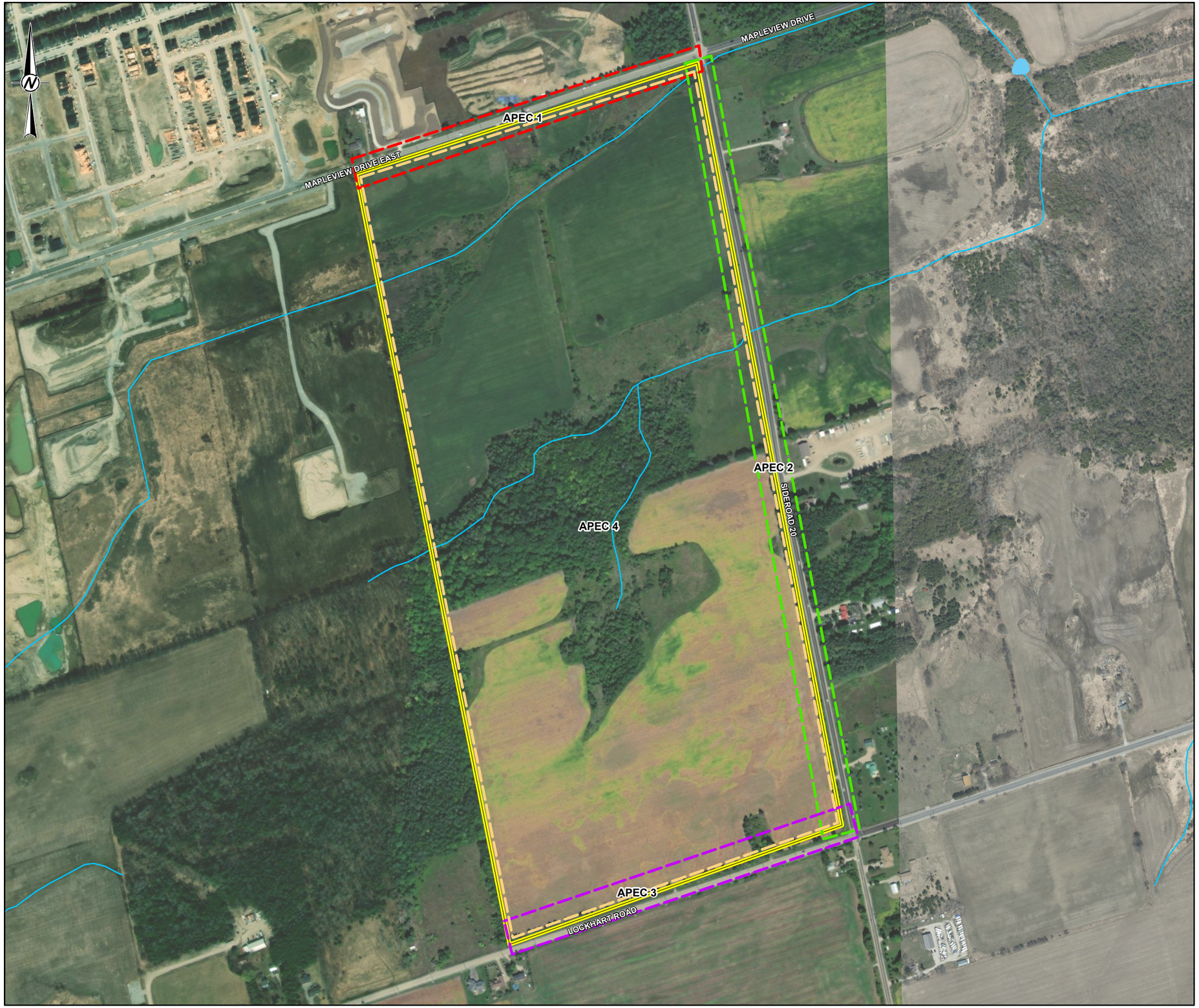
PROJECT
1080 LOCKHART ROAD, BARRIE, ONTARIO

TITLE
POTENTIALLY CONTAMINATING ACTIVITIES

CONSULTANT

YYYY-MM-DD	2024-01-12
DESIGNED	SE
PREPARED	GU
REVIEWED	SE
APPROVED	---

PROJECT NO. CA0018276.9792 | CONTROL 0001 | REV. A | FIGURE 3



LEGEND

- WATERCOURSE
- APEC1
- APEC2
- APEC3
- APEC4
- PHASE ONE PROPERTY BOUNDARY
- WATER BODY

APEC	DESCRIPTION
1	APPLICATION OF DE-ICING AGENTS
2	APPLICATION OF DE-ICING AGENTS
3	APPLICATION OF DE-ICING AGENTS
4	PESTICIDE USE

0 150 300

1:6,500 METRES

NOTE(S)

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
2. BASE MAP: MAXAR
3. PROJECTION: NAD 1983 UTM ZONE 17N, TRANSVERSE MERCATOR

CLIENT

DORSAY DEVELOPMENT CORPORATION

PROJECT

1080 LOCKHART ROAD, BARRIE, ONTARIO

TITLE

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CONSULTANT

wsp

YYYY-MM-DD	2024-01-12
DESIGNED	SE
PREPARED	GU
REVIEWED	SE
APPROVED	---

PROJECT NO.	CONTROL	REV.	FIGURE
CA0018276.9792	0001	A	4

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25mm

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APPENDIX A

Plan of Survey

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 20th DAY OF FEBRUARY, 2015.

MARCH 18, 2015 ....
DATE NEIL A. LEGROW
ONTARIO LAND SURVEYOR

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE ...., 2015

....
NEIL A. LEGROW, O.L.S.

PLAN 51R-

RECEIVED AND DEPOSITED

DATE ....

....
REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF SIMCOE (N° 51)

SCHEDULE

PART	PART OF LOT	CONCESSION	ALL OF PIN
1	20	11	58092-0059
2			58092-0060
3			58092-0061

PLAN OF SURVEY OF

PART OF LOT 20
CONCESSION 11
GEOGRAPHIC TOWNSHIP OF INNISFIL
TOWN OF INNISFIL
COUNTY OF SIMCOE

LLOYD & PURCELL LTD., SCALE 1 : 1500

50 25 0 50 Metres

NOTES

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

DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999718.

BEARINGS SHOWN ON THIS PLAN ARE UTM GRID BEARINGS AND ARE DERIVED FROM SPECIFIED CONTROL POINTS # 03120110016 AND # 03120110019, UTM ZONE 17, NAD 83 (CSRS 2010).

SPECIFIED CONTROL POINTS (SCP's) UTM ZONE 17, NAD83 (CSRS 2010) COORDINATES TO URBAN ACCURACY PER SEC.14 (2) OF O.REG. 216/10.		
POINT ID	NORTHING	EASTING
SCP # 03120110016	4911024.128	612156.452
SCP # 03120110019	4912406.810	612084.905
COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OF BOUNDARIES SHOWN ON THIS PLAN.		

LEGEND

SIB	STANDARD IRON BAR
IB	IRON BAR
■	FOUND
□	SET
meas.	MEASURED
f.	FENCE
fc.	FENCE CORNER
e/p&wf.	END OF POST & WIRE FENCE
RF	RAIL FENCE
HP	HYDRO POLE
HPT	HYDRO POLE & TRANSFORMER
SCP	SPECIFIED CONTROL POINT
738	R.C. KIRKPATRICK O.L.S.
911	J.N.E. BRADBURY O.L.S.
1035	R.R. WELSMAN O.L.S.
1535	PETER J. MANSFIELD O.L.S.
1546	RUDY MAK SURVEYING LTD.
HJV	HOLDING JONES VANDERVEEN INC.
p1	PLAN 51R-19071
p2	PLAN 51R-36123
p3	PLAN 51R-35948
p4	PLAN 51R-4696
p5	PLAN 51R-16747

LLOYD & PURCELL LTD.
ONTARIO LAND SURVEYORS
1228 GORHAM STREET, UNIT 28, NEWMARKET, ONTARIO, L3Y 8Z1
(905) 895-6416 Fax (905) 853-5837 E-MAIL: l_p@ontariolandsurveyors.ca
TORONTO LINE (905) 479-6500 Fax (905) 479-6515
WWW.ONTARIOLANDSURVEYORS.CA

CAD: RLS/CL	PC: RPS/RR	JOB: 15-109
CALC: JG	CHK'D: NAL	FILE: I1-XI-20

Phase One Property Boundary

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE REGISTRY ACT.

DATE: Feb. 5 '88

W. Bruce Clark

BRUCE CLARK

RECEIVED AND DEPOSITED AS
PLAN 51R· 16747

DATE: FEB. 5, 1988

Asst. Allan Graves
DEPUTY LAND REGISTRAR FOR THE REGISTRY DIVISION OF SIMCOE (51)

PART 1: PART OF THE SOUTH HALF OF LOT 20, CONCESSION II, PART OF INST. N° 803570.

PART 1, PLAN 51R-2876

IB — N 72° 40' 10" E 104.12' — IB

5.00' set

INST N° 803570

LINE

15.57'

2 STOREY STUCCO BRICK & FRAME DWG.

30.73'

15.19'

HYDRO

30.00'

31.60'

22.22'

5" PIPE (WELL)

N 15° 02' 30" W 228.90' set

5.00' set

119.32'

OVERHEAD

PART 1

fence

N 12° 55' 30" W 229.40' set

board

fence

wire

post

N 10°23' 50" W 10.00' plan 51R 2876 & set

ROAD ALLOWANCE BETWEEN LOTS 20 & 21

ROAD ALLOWANCE BETWEEN CONCESSIONS 10 & 11
66.00' WIDE

CONCESSION II

LOT 20

SW CORNER OF LOT 20, CON. II

SE CORNER OF LOT 20, CON. II

SIB (1035)

IB

SIB

SIB (1035)

1480.89'

95.64' set

426.65' set

N 72° 40' 10" E 2003.18' meas. (2003.03' plan 51R 2876)

66.00' set

IBD (OU)

ROAD ALLOWANCE
66.00' WIDE

CAUTION! THIS IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF THE PLANNING ACT.

PLAN OF SURVEY OF PART OF

THE SOUTH HALF OF LOT 20 CONCESSION II

IN THE

TOWNSHIP OF INNISFIL

IN THE

COUNTY OF SIMCOE

SCALE : 1" = 40'

RUDY MAK, O.L.S.

1987.

SURVEYOR'S CERTIFICATE:

I CERTIFY THAT:

1) THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT AND THE REGISTRY ACT AND THE REGULATIONS MADE THEREUNDER.

2) THE SURVEY WAS COMPLETED ON THE 13th. DAY OF OCTOBER, 1987.

DATED: OCTOBER 13th., 1987

RUDY MAK, O. L. S.

BEARINGS ARE ASTRONOMIC AND REFERRED TO THE NORTHERLY LIMIT OF THE ROAD ALLOWANCE BETWEEN CONCESSIONS 10 AND 11 AS SHOWN ON DEPOSITED PLAN 51R 2876, BEING N 72° 40' 10" E.

LEGEND

■	DENOTES A FOUND MONUMENT
□	DENOTES A PLANTED MONUMENT
SIB	DENOTES A STANDARD IRON BAR 2.5 cm. x 2.5 cm. x 1.2 m.
IB	DENOTES AN IRON BAR 1 cm. x 1 cm. x 0.6 m.
WIT.	DENOTES WITNESS
(615)	DENOTES J. DIAMOND O.L.S.
(738)	DENOTES R.C. KIRKPATRICK O.L.S.
(1035)	DENOTES R. WELSMAN O.L.S.
(976)	DENOTES C.W.A. JONES O.L.S.
(1255)	DENOTES R.C. RAIKES O.L.S
-x-x-	DENOTES FENCING

RUDY MAK SURVEYING LTD.

ONTARIO LAND SURVEYORS
370 DUNLOP ST. W. UNIT 1016
BARRIE ONTARIO
(705) 722-3845

FILE Nº S-0826-B

51R-16747

APPENDIX B

ERIS Report

DATABASE REPORT

Project Property:	*1080 Lockhart Road* *1080 Lockhart Road* *Innisfil ON L9J 0B5*
Project No:	*CA0018276.9792*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*23120800207*
Requested by:	*WSP Canada Inc.*
Date Completed:	*December 11, 2023*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*1080 Lockhart Road* *1080 Lockhart Road Innisfil ON L9J 0B5*
Project No:	*CA0018276.9792*

Order Information:

Order No:	*23120800207*
Date Requested:	*December 8, 2023*
Requested by:	*WSP Canada Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

City Directory Search	*CD - Subject Site plus 250m Radius*
ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	*Abandoned Aggregate Inventory*	*Y*	*0*	*0*	*0*
AGR	*Aggregate Inventory*	*Y*	*0*	*0*	*0*
AMIS	*Abandoned Mine Information System*	*Y*	*0*	*0*	*0*
ANDR	*Anderson's Waste Disposal Sites*	*Y*	*0*	*0*	*0*
AST	*Aboveground Storage Tanks*	*Y*	*0*	*0*	*0*
AUWR	*Automobile Wrecking & Supplies*	*Y*	*0*	*0*	*0*
BORE	*Borehole*	*Y*	*0*	*0*	*0*
CA	*Certificates of Approval*	*Y*	*0*	*0*	*0*
CDRY	*Dry Cleaning Facilities*	*Y*	*0*	*0*	*0*
CFOT	*Commercial Fuel Oil Tanks*	*Y*	*0*	*0*	*0*
CHEM	*Chemical Manufacturers and Distributors*	*Y*	*0*	*0*	*0*
CHM	*Chemical Register*	*Y*	*0*	*0*	*0*
CNG	*Compressed Natural Gas Stations*	*Y*	*0*	*0*	*0*
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	*Y*	*0*	*0*	*0*
CONV	*Compliance and Convictions*	*Y*	*0*	*0*	*0*
CPU	*Certificates of Property Use*	*Y*	*0*	*0*	*0*
DRL	*Drill Hole Database*	*Y*	*0*	*0*	*0*
DTNK	*Delisted Fuel Tanks*	*Y*	*0*	*0*	*0*
EASR	*Environmental Activity and Sector Registry*	*Y*	*0*	*0*	*0*
EBR	*Environmental Registry*	*Y*	*0*	*0*	*0*
ECA	*Environmental Compliance Approval*	*Y*	*0*	*0*	*0*
EEM	*Environmental Effects Monitoring*	*Y*	*0*	*0*	*0*
EHS	*ERIS Historical Searches*	*Y*	*0*	*0*	*0*
EIIS	*Environmental Issues Inventory System*	*Y*	*0*	*0*	*0*
EMHE	*Emergency Management Historical Event*	*Y*	*0*	*0*	*0*
EPAR	*Environmental Penalty Annual Report*	*Y*	*0*	*0*	*0*
EXP	*List of Expired Fuels Safety Facilities*	*Y*	*0*	*0*	*0*
FCON	*Federal Convictions*	*Y*	*0*	*0*	*0*
FCS	*Contaminated Sites on Federal Land*	*Y*	*0*	*0*	*0*
FOFT	*Fisheries & Oceans Fuel Tanks*	*Y*	*0*	*0*	*0*
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	*Y*	*0*	*0*	*0*
FST	*Fuel Storage Tank*	*Y*	*0*	*0*	*0*
FSTH	*Fuel Storage Tank - Historic*	*Y*	*0*	*0*	*0*
GEN	*Ontario Regulation 347 Waste Generators Summary*	*Y*	*0*	*0*	*0*
GHG	*Greenhouse Gas Emissions from Large Facilities*	*Y*	*0*	*0*	*0*
HINC	*TSSA Historic Incidents*	*Y*	*0*	*0*	*0*

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	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
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	4	5	9

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
Total:			4	5	9

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 20 con 11 ON ***Well ID:*** 7273615	N/0.0	0.00	13
2	WWIS		1080 LOCKHART BARRIE ON ***Well ID:*** 7266849	SSE/0.0	1.05	15
3	WWIS		1080 LOCKHART BARRIE ON ***Well ID:*** 7266848	NNE/0.0	0.00	18
4	WWIS		1080 LOCKHART ROAD BARRIE ON ***Well ID:*** 7266850	NW/0.0	0.00	21

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	WWIS		lot 20 con 11 ON ***Well ID:*** 5701424	SW/28.5	1.69	23
6	WWIS		lot 19 con 11 ON ***Well ID:*** 5723059	W/46.5	1.05	26
7	WWIS		lot 20 con 10 ON ***Well ID:*** 5701344	SE/116.5	1.57	30
8	WWIS		lot 21 con 10 ON ***Well ID:*** 5724096	E/161.2	0.00	35
9	WWIS		lot 21 con 11 ON ***Well ID:*** 5732815	ENE/172.5	-2.00	37

Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 20 con 11 ON ***Well ID:*** 7273615	0.0	1
	1080 LOCKHART BARRIE ON ***Well ID:*** 7266849	0.0	2
	1080 LOCKHART BARRIE ON ***Well ID:*** 7266848	0.0	3
	1080 LOCKHART ROAD BARRIE ON ***Well ID:*** 7266850	0.0	4
	lot 20 con 11 ON ***Well ID:*** 5701424	28.5	5
	lot 19 con 11 ON ***Well ID:*** 5723059	46.5	6
	lot 20 con 10 ON ***Well ID:*** 5701344	116.5	7
	lot 21 con 10 ON ***Well ID:*** 5724096	161.2	8
	lot 21 con 11 ON ***Well ID:*** 5732815	172.5	9

Map: 0.25 Kilometer Radius

Order Number: 23120800207

Address: 1080 Lockhart Road, Innisfil, ON

ERIS

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

79°36'W

44°21'N

44°21'N

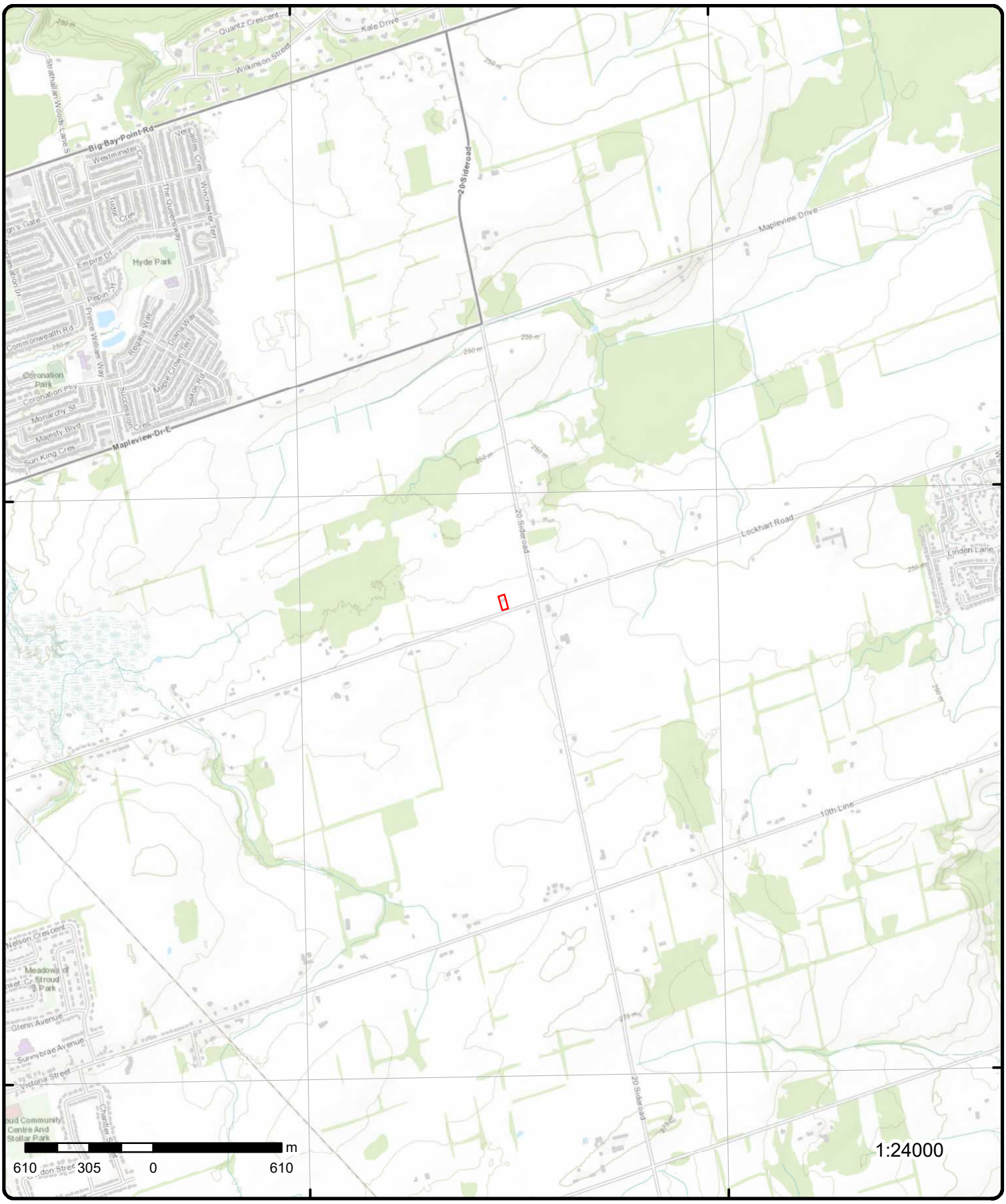
Aerial

Year: 2022

Order Number: 23120800207

Address: 1080 Lockhart Road, Innisfil, ON

Source: ESRI World Imagery



Topographic Map

Address: 1080 Lockhart Road, ON

Source: ESRI World Topographic Map

Order Number: 23120800207

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	N/0.0	262.9 / 0.00	lot 20 con 11 ON	WWIS

Well ID:	7273615	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	10/17/2016
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z235594	**Contractor:**	4645
Tag:		**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	SIMCOE
Elevatn Reliabilty:		**Lot:**	020
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: INNISFIL TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7273615.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/20/2016
Year Completed: 2016
Depth (m):
Latitude: 44.345386994879
Longitude: -79.5878788326867
Path: 727\7273615.pdf

Bore Hole Information

Bore Hole ID:	1006274077	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612557.00
Code OB Desc:		**North83:**	4911205.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	09/20/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1006433475
Layer:	
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006433481
Layer:	1
Plug From:	8.0
Plug To:	30.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006433482
Layer:	2
Plug From:	30.0
Plug To:	34.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006433480
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006433474
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006433478
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	8.0
Depth To:	30.0
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006433479
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1006433477
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006433476
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Links

Bore Hole ID:	1006274077	***Tag No:***	
Depth M:		***Contractor:***	4645
Year Completed:	2016	***Latitude:***	44.345386994879
Well Completed Dt:	09/20/2016	***Longitude:***	-79.5878788326867
Audit No:	Z235594	***Y:***	44.34538699357177
Path:	727\7273615.pdf	***X:***	-79.58787868086911

---

2 ***1 of 1*** ***SSE/0.0*** ***263.9 / 1.05*** ***1080 LOCKHART BARRIE ON*** ***WWIS***

Well ID:	7266849	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Test Hole	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Monitoring and Test Hole	***Date Received:***	07/15/2016
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z231716	***Contractor:***	7383
Tag:	A203571	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	SIMCOE
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: INNISFIL TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7266849.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/16/2016
Year Completed: 2016
Depth (m):
Latitude: 44.3451882145279
Longitude: -79.5878208770354
Path: 726\7266849.pdf

Bore Hole Information

Bore Hole ID: 1006146044
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/16/2016
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 612562.00
North83: 4911183.00
Org CS: UTM83
UTMRC: 6
UTMRC Desc: margin of error : 300 m - 1 km
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006164994
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth:
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006165002
Layer: 2
Plug From: 1.0
Plug To: 14.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006165001
Layer: 1
Plug From: 0.0
Plug To: 1.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006165003
Layer: 3
Plug From: 14.0
Plug To: 25.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006165000
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006164993
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006164997
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 15.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006164998
Layer: 1
Slot: 10
Screen Top Depth: 15.0
Screen End Depth: 25.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.375

Water Details

Water ID: 1006164996
Layer: 1
Kind Code:
Kind:
Water Found Depth: 20.0

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006164995
Diameter: 6.0
Depth From: 0.0
Depth To: 25.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID: 1006146044
Depth M:
Year Completed: 2016
Well Completed Dt: 04/16/2016
Audit No: Z231716
Path: 726\7266849.pdf
Tag No: A203571
Contractor: 7383
Latitude: 44.3451882145279
Longitude: -79.5878208770354
Y: 44.34518821360938
X: -79.58782072429885

3	1 of 1	NNE/0.0	262.9 / 0.00	1080 LOCKHART BARRIE ON	WWIS

Well ID: 7266848
Construction Date:
Use 1st: Test Hole
Use 2nd:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z231717
Tag: A203573
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: INNISFIL TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 07/15/2016
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7383
Form Version: 7
Owner:
County: SIMCOE
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7266848.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/16/2016
Year Completed: 2016
Depth (m):
Latitude: 44.3455123776813
Longitude: -79.587825638866
Path: 726\7266848.pdf

Bore Hole Information

Bore Hole ID: 1006146001
DP2BR:
Spatial Status:
Code OB:
Elevation:
Elevrc:
Zone: 17
East83: 612561.00

Code OB Desc:		**North83:**	4911219.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	6
Date Completed:	04/16/2016	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006164983
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006164990
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006164992
Layer:	3
Plug From:	14.0
Plug To:	25.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006164991
Layer:	2
Plug From:	1.0
Plug To:	14.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006164989
Method Construction Code:	6

Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006164982
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006164986
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 15.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006164987
Layer: 1
Slot: 10
Screen Top Depth: 15.0
Screen End Depth: 25.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.375

Water Details

Water ID: 1006164985
Layer: 1
Kind Code:
Kind:
Water Found Depth: 20.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006164984
Diameter: 6.0
Depth From: 0.0
Depth To: 25.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID: 1006146001
Depth M:
Year Completed: 2016
Well Completed Dt: 04/16/2016
Audit No: Z231717
Path: 726\7266848.pdf
Tag No: A203573
Contractor: 7383
Latitude: 44.3455123776813
Longitude: -79.587825638866
Y: 44.345512376536256
X: -79.58782548623672

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	NW/0.0	262.9 / 0.00	1080 LOCKHART ROAD BARRIE ON	WWIS

Well ID:	7266850	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Test Hole	**Date Received:**	07/15/2016
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z231718	**Contractor:**	7383
Tag:	A203572	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	SIMCOE
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: INNISFIL TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7266850.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/16/2016
Year Completed: 2016
Depth (m):
Latitude: 44.3454706330727
Longitude: -79.5880901027921
Path: 726\7266850.pdf

Bore Hole Information

Bore Hole ID:	1006146047	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612540.00
Code OB Desc:		**North83:**	4911214.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	6
Date Completed:	04/16/2016	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	wwr

Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1006165137
Layer: 1
Color:
General Color:
Mat1: 28

Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006165145
Layer:	2
Plug From:	1.0
Plug To:	14.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006165146
Layer:	3
Plug From:	14.0
Plug To:	25.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006165144
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006165143
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006165136
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006165140
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	15.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006165141
Layer: 1
Slot: 10
Screen Top Depth: 15.0
Screen End Depth: 25.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.375

Water Details

Water ID: 1006165139
Layer: 1
Kind Code:
Kind:
Water Found Depth: 20.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006165138
Diameter: 6.0
Depth From: 0.0
Depth To: 25.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID:	1006146047	***Tag No:***	A203572
Depth M:		***Contractor:***	7383
Year Completed:	2016	***Latitude:***	44.3454706330727
Well Completed Dt:	04/16/2016	***Longitude:***	-79.5880901027921
Audit No:	Z231718	***Y:***	44.34547063150841
Path:	726\7266850.pdf	***X:***	-79.58808995017542

5 ***1 of 1*** ***SW/28.5*** ***264.6 / 1.69*** ***lot 20 con 11 ON*** ***WWIS***

Well ID:	5701424	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Livestock	***Data Entry Status:***	
Use 2nd:	Domestic	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	01/10/1965
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	2514
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	SIMCOE
Elevatn Reliabilty:		***Lot:***	020
Depth to Bedrock:		***Concession:***	11
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: INNISFIL TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/570\5701424.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/21/1964
Year Completed: 1964
Depth (m): 12.8016
Latitude: 44.3448332605607
Longitude: -79.5882383884499
Path: 570\5701424.pdf

Bore Hole Information

Bore Hole ID:	10379317	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	612529.40
Code OB Desc:		***North83:***	4911143.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/21/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932261056
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Mat2 Desc: FINE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932261057
Layer: 3
Color: 5
General Color: YELLOW
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:

Mat3 Desc:
Formation Top Depth: 34.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932261055
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965701424
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10927887
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930627166
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933363332
Layer: 1
Slot: 010
Screen Top Depth: 36.0
Screen End Depth: 39.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Construction Record - Screen

Screen ID:	933363333
Layer:	2
Slot:	006
Screen Top Depth:	39.0
Screen End Depth:	42.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	995701424
Pump Set At:	
Static Level:	27.0
Final Level After Pumping:	38.0
Recommended Pump Depth:	30.0
Pumping Rate:	11.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933860784
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	36.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10379317	***Tag No:***	
Depth M:	12.8016	***Contractor:***	2514
Year Completed:	1964	***Latitude:***	44.3448332605607
Well Completed Dt:	11/21/1964	***Longitude:***	-79.5882383884499
Audit No:		***Y:***	44.34483325999101
Path:	570\5701424.pdf	***X:***	-79.58823823509066

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6 ***1 of 1*** ***W/46.5*** ***263.9 / 1.05*** ***lot 19 con 11 ON*** ***WWIS***

Well ID:	5723059	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	04/25/1988
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	NA	***Contractor:***	3203
Tag:		***Form Version:***	1

Constructn Method:		**Owner:**	
Elevation (m):		**County:**	SIMCOE
Elevatn Reliabilty:		**Lot:**	019
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	INNISFIL TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/572\5723059.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/23/1987
Year Completed:	1987
Depth (m):	15.5448
Latitude:	44.3487856575072
Longitude:	-79.5984818142472
Path:	572\5723059.pdf

Bore Hole Information

Bore Hole ID:	10400670	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612498.00
Code OB Desc:		**North83:**	4911182.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/23/1987	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	map
Loc Method Desc:	YPD: Map ; OBM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932353626
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932353627
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932353628
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	91
Mat2 Desc:	WATER-BEARING
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	44.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932353629
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	44.0
Formation End Depth:	51.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965723059
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10949240
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930653190
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933373371
Layer:	1
Slot:	012
Screen Top Depth:	40.0
Screen End Depth:	44.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	5.0

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	995723059
Pump Set At:	
Static Level:	21.0
Final Level After Pumping:	32.0
Recommended Pump Depth:	35.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935087647
Test Type:	
Test Duration:	60
Test Level:	32.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934314319
Test Type:	
Test Duration:	15
Test Level:	32.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934580275
Test Type:	
Test Duration:	30
Test Level:	32.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934839226
Test Type:	
Test Duration:	45
Test Level:	32.0
Test Level UOM:	ft

Water Details

Water ID:	933882873
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	44.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10400670	***Tag No:***	
Depth M:	15.5448	***Contractor:***	3203
Year Completed:	1987	***Latitude:***	44.3451891370026
Well Completed Dt:	11/23/1987	***Longitude:***	-79.5886237814358
Audit No:	NA	***Y:***	44.34518913552382
Path:	572\5723059.pdf	***X:***	-79.58862362836076

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7 | ***1 of 1*** | ***SE/116.5*** | ***264.4 / 1.57*** | ***lot 20 con 10 ON*** | ***WWIS***

Well ID:	5701344	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	01/19/1965
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	2514
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	SIMCOE
Elevatn Reliabilty:		***Lot:***	020
Depth to Bedrock:		***Concession:***	10
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	INNISFIL TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/570\5701344.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/23/1964
Year Completed: 1964
Depth (m): 92.6592
Latitude: 44.344237700524
Longitude: -79.5866719485303
Path: 570\5701344.pdf

Bore Hole Information

Bore Hole ID:	10379237	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612655.40
Code OB Desc:		**North83:**	4911079.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/23/1964	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932260781
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260783
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 45.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260782
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 37.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260785
Layer: 5
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 116.0
Formation End Depth: 245.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260788
Layer: 8
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 299.0
Formation End Depth: 304.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260784
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Mat2 Desc: FINE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 90.0

Formation End Depth: 116.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260786
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 08
Mat2 Desc: FINE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 245.0
Formation End Depth: 280.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932260787
Layer: 7
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 280.0
Formation End Depth: 299.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965701344
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10927807
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930627078
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 6.0
Casing Diameter:
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930627079
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 301.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933363284
Layer: 1
Slot: 018
Screen Top Depth: 301.0
Screen End Depth: 304.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 995701344
Pump Set At:
Static Level: 105.0
Final Level After Pumping: 140.0
Recommended Pump Depth: 125.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933860708
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 301.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10379237
Depth M: 92.6592
Year Completed: 1964
Well Completed Dt: 11/23/1964
Audit No:
Tag No:
Contractor: 2514
Latitude: 44.344237700524
Longitude: -79.5866719485303
Y: 44.3442377000051

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

Path:	570\5701344.pdf	**X:**	-79.58667179657465	

8	1 of 1	E/161.2	262.9 / 0.00	lot 21 con 10 ON	WWIS

Well ID:	5724096	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	11/21/1988
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	36952	**Contractor:**	3030
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	SIMCOE
Elevatn Reliabilty:		**Lot:**	021
Depth to Bedrock:		**Concession:**	10
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	INNISFIL TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/572\5724096.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/28/1988
Year Completed:	1988
Depth (m):	13.1064
Latitude:	44.3451513852145
Longitude:	-79.585572313955
Path:	572\5724096.pdf

Bore Hole Information

Bore Hole ID:	10401698	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612741.30
Code OB Desc:		**North83:**	4911182.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/28/1988	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Loc Method Desc:	from gis		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932358420
Layer:	1
Color:	6

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

Overburden and Bedrock Materials Interval

Formation ID:	932358422
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	91
Mat2 Desc:	WATER-BEARING
Mat3:	
Mat3 Desc:	
Formation Top Depth:	22.0
Formation End Depth:	43.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932358421
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	68
Mat2 Desc:	DRY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	22.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965724096
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10950268
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930654502
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	43.0
Casing Diameter:	36.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	995724096
Pump Set At:	
Static Level:	22.0
Final Level After Pumping:	
Recommended Pump Depth:	38.0
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	1.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933883925
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10401698	**Tag No:**	
Depth M:	13.1064	**Contractor:**	3030
Year Completed:	1988	**Latitude:**	44.3451513852145
Well Completed Dt:	10/28/1988	**Longitude:**	-79.585572313955
Audit No:	36952	**Y:**	44.34515138405152
Path:	572\5724096.pdf	**X:**	-79.58557216101885

9 | ***1 of 1*** | ***ENE/172.5*** | ***260.9 / -2.00*** | ***lot 21 con 11 ON*** | ***WWIS***

Well ID:	5732815	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06/24/1997
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	173398	**Contractor:**	2513
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	SIMCOE

Elevatn Reliabilty:		**Lot:**	021
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	INNISFIL TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/573\5732815.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/01/1997
Year Completed:	1997
Depth (m):	39.0144
Latitude:	44.3461888951572
Longitude:	-79.5857480956848
Path:	573\5732815.pdf

Bore Hole Information

Bore Hole ID:	10410347	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612725.30
Code OB Desc:		**North83:**	4911297.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	04/01/1997	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Loc Method Desc:	from gis		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932400803
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	13.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932400805
Layer:	3

Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932400809
Layer: 7
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 08
Mat2 Desc: FINE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 114.0
Formation End Depth: 123.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932400804
Layer: 2
Color: 5
General Color: YELLOW
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932400807
Layer: 5
Color: 5
General Color: YELLOW
Mat1: 06
Most Common Material: SILT
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 64.0
Formation End Depth: 86.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932400810
Layer:	8
Color:	2
General Color:	GREY
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	123.0
Formation End Depth:	128.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932400806
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	74
Mat2 Desc:	LAYERED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	64.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932400808
Layer:	6
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	86.0
Formation End Depth:	114.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933195482
Layer:	1
Plug From:	0.0
Plug To:	5.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID: 933195483
Layer: 2
Plug From: 5.0
Plug To: 11.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965732815
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10958917
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930665196
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 123.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933378828
Layer: 1
Slot: 006
Screen Top Depth: 123.0
Screen End Depth: 128.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 995732815
Pump Set At:
Static Level: 35.0
Final Level After Pumping: 120.0
Recommended Pump Depth: 97.0
Pumping Rate: 16.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2

Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934584079
Test Type:	Draw Down
Test Duration:	30
Test Level:	120.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934840859
Test Type:	Draw Down
Test Duration:	45
Test Level:	120.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935098987
Test Type:	Draw Down
Test Duration:	60
Test Level:	120.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934317697
Test Type:	Draw Down
Test Duration:	15
Test Level:	120.0
Test Level UOM:	ft

Water Details

Water ID:	933892909
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	123.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10410347	***Tag No:***	
Depth M:	39.0144	***Contractor:***	2513
Year Completed:	1997	***Latitude:***	44.3461888951572
Well Completed Dt:	04/01/1997	***Longitude:***	-79.5857480956848
Audit No:	173398	***Y:***	44.34618889364675
Path:	573\5732815.pdf	***X:***	-79.58574794320151

Unplottable Summary

Total: 6 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 21 Con 10	Innisfil ON	
WWIS		con 10	ON	
WWIS		con 10	ON	
WWIS		lot 21	ON	
WWIS		con 10	ON	
WWIS		lot 21	ON	

Unplottable Report

Site:
Lot 21 Con 10 Innisfil ON

Database:
AAGR

Type:	Pit
Region/County:	Simcoe
Township:	Innisfil
Concession:	10
Lot:	21
Size (ha):	0.75
Landuse:	
Comments:	

Site:
con 10 ON

Database:
WWIS

Well ID:	5738413	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	12/03/2003
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	261697	***Contractor:***	2513
Tag:		***Form Version:***	2
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	SIMCOE
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	10
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	INNISFIL TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	11099927	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/10/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 932950929
Layer: 2
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 22.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932950930
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 32.0
Formation End Depth: 53.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932950932
Layer: 5
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 95.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932950931
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 53.0
Formation End Depth: 95.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932950928
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	0.0
Formation End Depth:	22.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933247318
Layer:	2
Plug From:	5.0
Plug To:	20.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933247317
Layer:	1
Plug From:	0.0
Plug To:	5.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965738413
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11103642
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930835756
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	100.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933407390
Layer:	1
Slot:	025
Screen Top Depth:	100.0
Screen End Depth:	105.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.0

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	995738413
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	93.0
Recommended Pump Depth:	70.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934848814
Test Type:	Draw Down
Test Duration:	45
Test Level:	93.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935106970
Test Type:	Draw Down
Test Duration:	60
Test Level:	93.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934592386
Test Type:	Draw Down
Test Duration:	30
Test Level:	93.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934317959
Test Type:	Draw Down
Test Duration:	15
Test Level:	93.0
Test Level UOM:	ft

Water Details

Water ID:	934045224
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105.0
Water Found Depth UOM:	ft

Site:
con 10 ON

Database:
WWIS

Well ID:	5730496	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	01/18/1994
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	NA	***Contractor:***	3203
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	SIMCOE
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	10
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	INNISFIL TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10408054	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/08/1984	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932389243
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37.0

Formation End Depth: 53.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932389241
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932389242
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 22.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965730496
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10956624
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930662327
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 53.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	933377468
Layer:	1
Slot:	012
Screen Top Depth:	50.0
Screen End Depth:	53.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	5.0

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	995730496
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Site:
lot 21 ON

Database:
WWIS

Well ID:	4404591	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	10/12/1982
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3030
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	NORFOLK
Elevatn Reliabilty:		***Lot:***	021
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	SIMCOE TOWN		
Site Info:			

Bore Hole Information

Bore Hole ID:	10276537	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/20/1982	***UTMRC Desc:***	unknown UTM

Remarks: ***Location Method:*** na
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931882010
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931882014
Layer: 5
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931882012
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931882013
Layer: 4

Color: 6
General Color: BROWN
Mat1: 31
Most Common Material: COARSE GRAVEL
Mat2: 32
Mat2 Desc: PEA GRAVEL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 30.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931882011
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964404591
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10825107
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930463344
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 43.0
Casing Diameter: 36.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 994404591
Pump Set At:
Static Level: 30.0
Final Level After Pumping:
Recommended Pump Depth: 35.0
Pumping Rate:

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

Water Details

Water ID: 933746621
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 30.0
Water Found Depth UOM: ft

Site:
con 10 ON

Database: ***WWIS***

Well ID: 5711380
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: INNISFIL TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/13/1974
Selected Flag: TRUE
Abandonment Rec:
Contractor: 9999
Form Version: 1
Owner:
County: SIMCOE
Lot:
Concession: 10
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10389185
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/28/1973
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932302401
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932302402
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 87
Mat2 Desc: STONEY
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965711380
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10937755
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930638918
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 30.0
Casing Diameter: 30.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 995711380
Pump Set At:
Static Level: 14.0
Final Level After Pumping: 15.0

Recommended Pump Depth: 28.0
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate: 3.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 30
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934574244
Test Type:
Test Duration: 30
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934298641
Test Type:
Test Duration: 15
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935089918
Test Type:
Test Duration: 60
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934823584
Test Type:
Test Duration: 45
Test Level: 15.0
Test Level UOM: ft

Water Details

Water ID: 933871231
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 15.0
Water Found Depth UOM: ft

Site:
lot 21 ON

Database:
WWIS

Well ID: 5731123
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/25/1994
Selected Flag: TRUE
Abandonment Rec:

Audit No:	139468	***Contractor:***	3660
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	SIMCOE
Elevatn Reliabilty:		***Lot:***	021
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	INDIAN RESERVE CHRISTIAN ISLAND 30		
Site Info:			

Bore Hole Information

Bore Hole ID:	10408678	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/08/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932392432
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	30.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932392433
Layer:	2
Color:	2
General Color:	GREY
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932392435
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	67.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932392434
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	91
Mat2 Desc:	WATER-BEARING
Mat3:	
Mat3 Desc:	
Formation Top Depth:	50.0
Formation End Depth:	67.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933193732
Layer:	1
Plug From:	8.0
Plug To:	12.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933193733
Layer:	2
Plug From:	59.0
Plug To:	64.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965731123
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10957248

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930663089
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 62.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933377823
Layer: 1
Slot: 008
Screen Top Depth: 64.0
Screen End Depth: 67.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5.0

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 995731123
Pump Set At:
Static Level: 13.0
Final Level After Pumping: 45.0
Recommended Pump Depth: 45.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935102664
Test Type: Recovery
Test Duration: 60
Test Level: 13.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934578566
Test Type: Recovery
Test Duration: 30
Test Level: 13.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934835780
Test Type:	Recovery
Test Duration:	45
Test Level:	13.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934312016
Test Type:	Recovery
Test Duration:	15
Test Level:	13.0
Test Level UOM:	ft

Water Details

Water ID:	933891197
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
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 Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of 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 Oct 2022

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Oct 31, 2023

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 2022

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Oct 31, 2023

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 -Aug 2023

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-Sep 2023

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Oct 31, 2023

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011- Oct 31, 2023

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 - Oct 31, 2023

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- Oct 31, 2023

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-Sep 30, 2023

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2022

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Feb 28, 2022

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2023

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2020

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2023

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, 2021

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-Oct 2022

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2023

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Oct 31, 2023

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Oct 31, 2023

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Oct 31, 2023

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2023

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-Oct 31, 2023

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in February, March, May, June-November 2022, and January 2023 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Dec 2021; see description

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Oct 31, 2023

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: Mar 31 2023

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 C

Regulatory Responses

Ontario

Ministry of the Environment, Conservation and Parks

Freedom of Information Request for Property Information

Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

☑ Submitting a new FOI Request for Property Information

☐ Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) * 1900/01/01

To (yyyy/mm/dd) * 2023/12/12

Type of Record(s) *

☑ All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations

☑ Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:
https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch
- RSC records filed after July 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en

☐ Other Specific Document(s)

Type of Approval/Registration *

☑ Drinking Water Licenses

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Permits to Take Water

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

Water Source *

☑ Groundwater ☐ Surface Water

☑ Noise Vibrations Approvals/Registrations

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Air Emissions Approvals/Registrations

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Water - Industrial discharge

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

Company Name

☑ Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

Section 2 – Requester Information

Last Name * Everett

First Name * Llasheema

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") * WSP Canada Inc.

Project/Reference Number (if applicable) CA0018196.9158

Are you submitting this request on behalf of a client? *

☐ Yes ☑ No

Mailing Address

Unit Number

Street Number * 2

Street Name * International Boulevard

PO Box

City/Town * Toronto

Province * ON

Postal Code * M9W 1A2

Telephone Number * 905-903-8405

ext.

Email Address * llasheema.everett@wsp.com

Is there an alternate contact (e.g. office admin)? *

☐ Yes ☑ No

Section 3 – Current Property Address Information

Is the property a:

☐ Park ☐ Lake ☐ First Nation Band ☐ Wind Farm ☐ Federal Land ☐ Island ☐ Unsurveyed Land

Are you requesting information about multiple addresses? *

☑ Yes ☐ No

Please only submit a request with multiple addresses if the property is one site. To be considered one site, addresses must be adjacent to each other and owned by the same owner(s).

Do the multiple addresses belong to one site? *

☑ Yes ☐ No

Please submit a separate FOI request for each address.

Site Name Trailside Sports Ltd.

Property Address

Address 1

Unit Number

Street Number 40

Street Name McCulloch Drive

Full Lot Number

Concession

Geographic Township

City/Town/Village * Espanola

Closest Intersection

Address 2

Unit Number | Street Number | Street Name

50 | McCulloch Drive

Full Lot Number | Concession | Geographic Township

City/Town/Village *

Espanola

Closest Intersection

Address 3

Unit Number | Street Number | Street Name

45 | Queensway Avenue

Full Lot Number | Concession | Geographic Township

City/Town/Village *

Espanola

Closest Intersection

Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

☐ Yes ☑ No

Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

Current Property Owner/Tenant

Address 1

40 McCulloch Drive
Espanola

Owner Name | Date of Ownership (yyyy/mm/dd)

Trailside Sports Ltd.

Tenant Name

Address 2

50 McCulloch Drive
Espanola

Owner Name

Trailside Sports Ltd.

Date of Ownership (yyyy/mm/dd)

Tenant Name

Address 3

45 Queensway Avenue
Espanola

Owner Name

Trailside Sports Ltd.

Date of Ownership (yyyy/mm/dd)

Tenant Name

Section 6 – Supporting Documents

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Total File Size

Payment confirmation number: 27915645

From: Public Information Services
To: Everett, Sheema
Subject: RE: database search
Date: January 9, 2024 2:35:38 PM
Attachments: image001.png

Hello,

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

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

Accessing the applications

1. Click https://forms.tssa.org/Payments/Service-Prepayment-Portal - TSSA and click "need a copy of a document"
2. Select the appropriate application, download it, complete it in full and save it (Note: you will have to upload the application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

Accessing the Service Prepayment Portal

1. Select new or existing customer (*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Warm regards,

From: Everett, Sheema <llasheema.everett@wsp.com>

Sent: Tuesday, January 9, 2024 1:06 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: database search

Hello,

Could you please search your databases for tanks, spills, records at the following addresses:

- 3153 20th Sideroad, Innisfil, ON
- 1080 Lockhart Road, Innisfil, ON
- 3000 20th Sideroad, Innisfil, ON

Thanks,

Llasheema Everett, M.Sc.,
Project Manager, Environmental Site Assessment & Remediation

T+ 1 647-730-7071
M+ 1 905-903-8405

-LAEmHhHzdJzBITWfa4Hqs7pbKI

APPENDIX D

Site Photographs

wsp.com

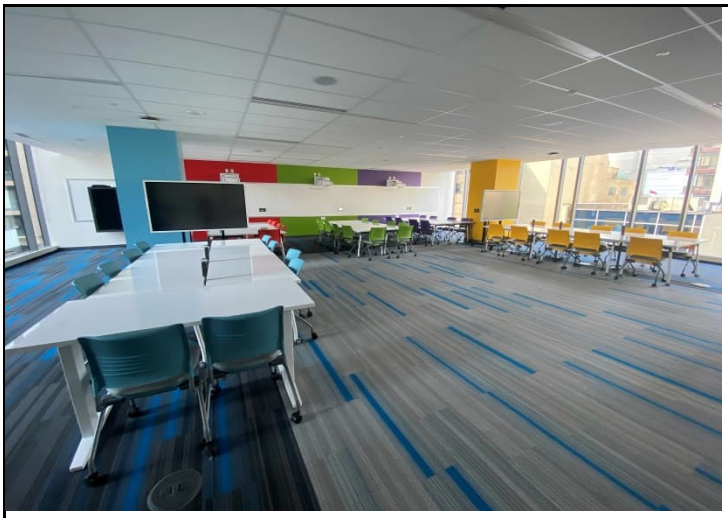

Photo 1: General view of the office area (4th Floor).

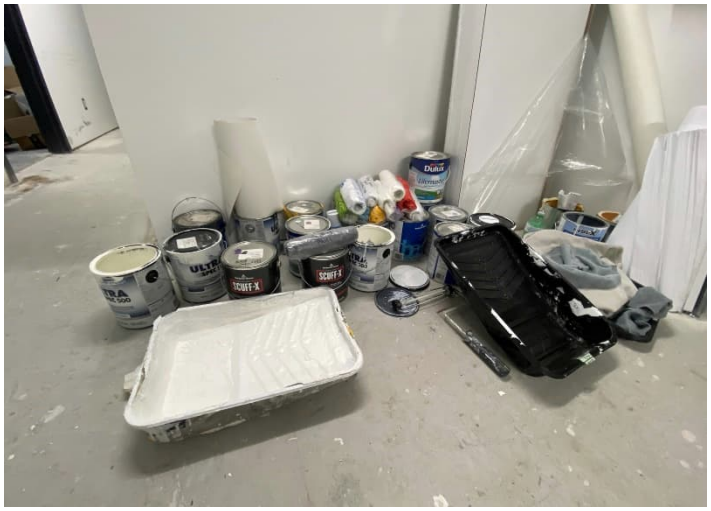

Photo 2: Minor storage of paints and primers in the mechanical room on the 6th floor (IGS616).

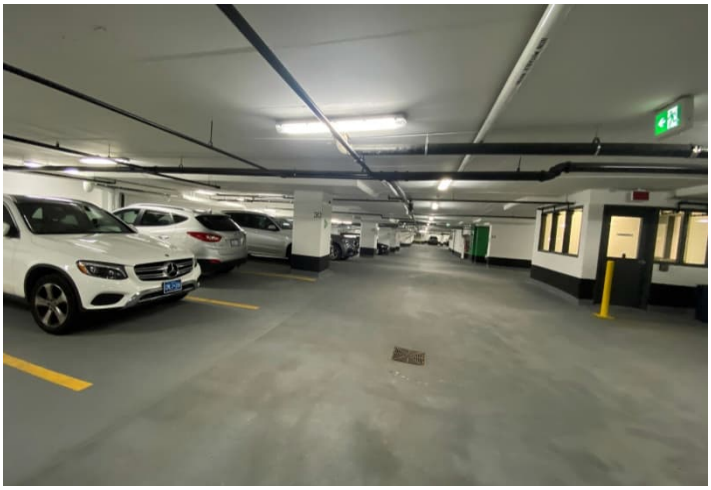

Photo 3: General view of the underground parking garage (P2, northeast corner).

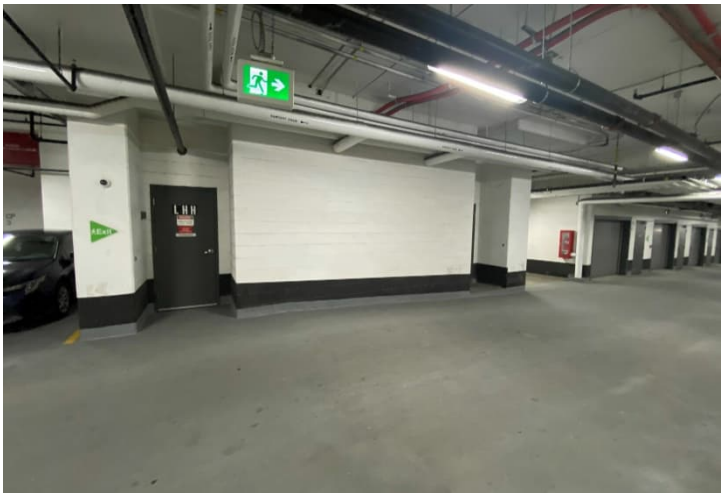

Photo 4: Electrical room for emergency back up generation in P2.

Photo 5: Water infiltration and suspected mould in the mechanical room on the 6th floor (IGS616).

Photo 6: One set of vent and fill pipes in addition to an observation port associated with USTs at 650 Church Street.

Photo 7: Vent and fill pipes associated with a AST/UST at 35-38 Hayden Street.

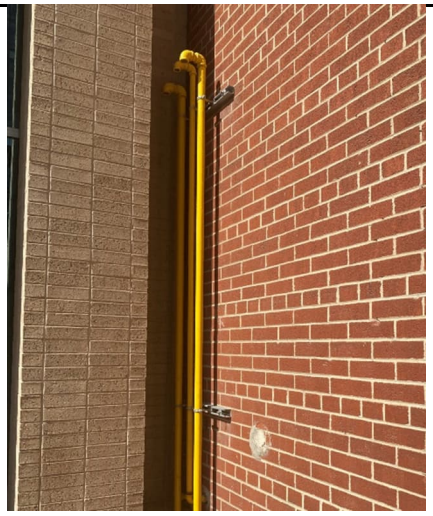

Photo 8: Vent and fill pipes associated with a UST/AST at 650 Church Street.

Photo 1: View of the southern portion of the Phase One Property at 1080 Lockhart Road in Innisfil, Ontario, facing northwest.

Photo 2: View of the southern portion of the Phase One Property, facing north.

Photo 3: View of the decrepit structures located at the southern-central portion of the Site.

Photo 4: View of the central portion of the Site, facing north.

Photo 5: View of the northern portion of the Site, facing north-west.

Photo 6: View of the residential and agricultural land use to the north east of the Site.

Photo 7: View of the APEX Aggregates facility located east of the Phase One Property.

Photo 8: View of the fill piles to the north of the Phase One Property.