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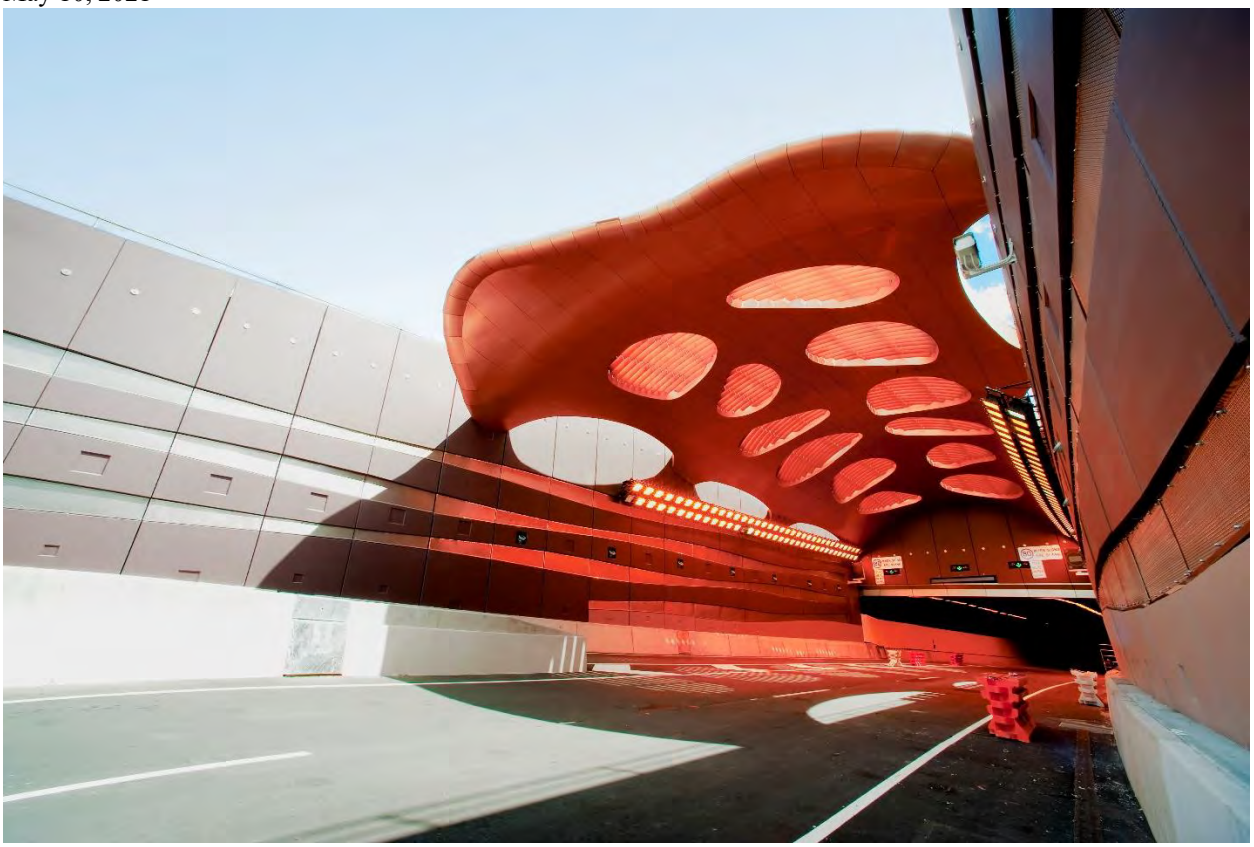
CLEARBROOK DEVELOPMENTS LTD.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

0 HEART LAKE ROAD - PARCEL 6, CALEDON, ON

May 10, 2021



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May 10, 2021

Jane Deighton
Clearbrook Developments Ltd.
506-80 Front St E
Toronto, Ontario
M5E 1T4

Subject: Phase One Environmental Site Assessment
0 Heart Lake Road – Parcel 6, Caledon, ON

Dear Madam:

We are pleased to present our report documenting the results of the Phase One Environmental Site Assessment completed at the above-noted property.

The assessment was completed according to Ontario Regulation 153/04, as amended. The report describes the interpreted environmental conditions at the property based on available information and observations and provides conclusions for your consideration.

Thank you for the opportunity to be of service on this project. We trust that this information is sufficient for your current needs. If you have any questions or require further information, please contact us.

Yours sincerely,

For Mike Wilson:

Michael Wilson, C.E.T., LET, QP_{ESA}
Project Manager, Environment

LE/mw
Encl.
cc:
WSP ref.: 211-03318-00

QUALITY MANAGEMENT

ISSUE/REVISION	FIRST ISSUE	REVISION 1
Remarks	DRAFT Phase One ESA Report	Phase One ESA Report
Date	May 10, 2021	June 23, 2021
Prepared by	Llasheema Everett	Llasheema Everett
Signature	DRAFT	
Checked by	Michael Wilson	Michael Wilson
Signature	DRAFT	 For Mike Wilson:
Authorised by	Michael Wilson	Michael Wilson
Signature	DRAFT	 For Mike Wilson:
Project number	211-03318-00	211-03318-00
Report number	01	01
File reference	Phase One ESA – 0 Heart Lake Road, Caledon, ON	Phase One ESA – 0 Heart Lake Road, Caledon, ON

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GLOSSARY

ABNs	acid-base neutral compounds
APEC	area(s) of potential environmental concern as defined in O. Reg. 153/04, “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”
As	arsenic
AST	above ground storage tank
B-HWS	boron (hot water soluble)
BTEX	benzene, toluene, ethylbenzene, and xylenes
Ca	calcium
CN^-	cyanide
COPC	contaminant(s) of potential concern
CPs	chlorophenyls
Cr^-	chromium
Cr (VI)	hexavalent chromium
CSM	conceptual site model
EC	electrical conductivity
ECA	Environmental Compliance Approval
ERIS	Environmental Risk Information Services
ESA	environmental site assessment
FIP	fire insurance plan
FOI	freedom of information
ha	hectare(s)
Hg	mercury
km	kilometre(s)
L	litre(s)
m	metre(s)
Mg	magnesium
Metals	O. Reg. 153/04 regulated metals as per Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the *Environmental Protection Act*
mASL	metres above sea level
mBGS	metres below ground surface
MNDM	Ministry of Northern Development and Mines
MNRF	Ministry of Natural Resources and Forestry

MECP	Ministry of the Environment, Conservation and Parks
NPRI	National Pollutant Release Inventory
N/S	not specified in Table 2, Schedule D, of O. Reg. 153/04
Na	sodium
OCs	organochlorine pesticides
O. Reg. 153/04	Ontario Regulation 153/04, as amended
O. Reg. 347	Ontario Regulation 347, as amended
ORP	other regulated parameter(s) per Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the *Environmental Protection Act*
PAH	polycyclic aromatic hydrocarbon
PCA	potentially contaminating activity as defined in O. Reg. 153/04, "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"
PCB	polychlorinated biphenyl
PHC	petroleum hydrocarbon
PIN	property identification number
QA	quality assurance
QC	quality control
QP_{ESA}	Qualified Person for ESAs according to MECP (O. Reg. 153/04)
RA	risk assessment
RSC	Record of Site Condition
SAR	sodium adsorption ratio
Sb	antimony
SCS	Site Condition Standard
Se	selenium
THM	trihalomethane
TSSA	Technical Standards and Safety Authority
UST	underground storage tank
VOC	volatile organic compound(s)

1 EXECUTIVE SUMMARY

WSP Canada Inc. (WSP) was retained by Clearbrook Developments Ltd. to complete a Phase One Environmental Site Assessment (ESA) for the property located at 0 Heart Lake Road, Caledon, Ontario (Parcel 6 on Snell's Hollow Preliminary Constraights Plan' – dated July 19, 2018, hereafter referred to as the 'Phase One Property' or the 'Site'. We understand that this Phase One ESA is being requested for due diligence purposes and that redevelopment of the Site for residential use is proposed. A Record of Site Condition (RSC) with the Ministry of the Environment, Conservation, and Parks (MECP) for the Site is not required at this time.

The Site is located at the northwest corner of Mayfield Road and Heart Lake Road in a mixed residential, commercial and agricultural are of Caledon, Ontario. The Site is semi-rectangular in shape, occupying an area of approximately 24.50 ha (60.5 acres). The Phase One Property exists as agricultural land currently utilized for cash crop farming purposes. Additionally, the Heart Lake Wetland Complex is located on the southwest and central portions of the Site.

The scope of this Phase One ESA conforms to the requirements outlined in Ontario Regulation 153/04, as amended (O. Reg. 153/04). The objectives of the Phase One ESA were to identify the likelihood of the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property or within the Phase One Study Area, identify the areas of potential environmental concern (APECs) and contaminants of potential concern (COPCs) from the PCAs, and based on this information assess the requirements for additional investigation in the form of a Phase Two ESA. This Phase One ESA does not include sampling or testing and is based solely on visual observations and a review of available or supplied factual data.

Based on information obtained as part of the Phase One ESA, WSP presents the following findings:

- The Site has remained undeveloped land for agricultural use since approximately 1878, with no buildings and/or structures present at the Site. A small wooden structure was observed at the southeastern portion of the Site during the site reconnaissance, which was confirmed to be part of the former barn structure
- The topography for the agricultural fields is generally flat with a gentle slope to the south. The topography of the wetland complex appears quite variable and ultimately slopes to the south/southeast. Surface elevations on site range from approximately 260-270.Stormwater runoff from the Site enters the roadside ditches along Mayfield Road to the south and Heart Lake Road to the east. Based on the local topography, the inferred shallow ground water flow direction of the Phase One Study Area is to the southeast towards Heart Lake, which is located approximately 1.0 km southeast of the Site.
- The Site is situated in the drumlizined till plains generally characterized by clay to silt textured till derived from glaciolacustrine deposits. It should be noted that the soil type in the vicinity of the wetland complex was noted to contain organic deposits of peat, muck and marl. The underlying bedrock within the area is shale, limestone, dolostone and siltstone of the Queenston Formation. Based on a review of the MECP well records, the depth of the bedrock in the vicinity of the Site is at approximately 47 to 53 mbgs.
- It is anticipated that pesticides have been applied to the Site as part of the agricultural use of the Phase One Property.

Based on the information obtained and reviewed during this Phase One ESA, PCAs have been identified on the Site and/or within the Phase One Study Area that we have assessed as contributing to one (1) APEC on the Phase One Property. Based on the PCAs and APECs identified, the associated contaminants of potential concern (COPCs) include metals and other regulated parameters (ORPs) and OC Pesticides (organochlorine pesticides). Based on the findings of the Phase One ESA, a Phase Two ESA is recommended in order to investigate the identified APECs and further assess the existing soil conditions at the Site.

2 INTRODUCTION

WSP was retained by Clearbrook Developments Ltd. to complete a Phase One Environmental Site Assessment (ESA) for the property located at 0 Heart Lake Road, Caledon, Ontario (Parcel 6 on Snell's Hollow Preliminary Constraights Plan' – dated July 19, 2018, hereafter referred to as the 'Phase One Property' or the 'Site'. We understand that this Phase One ESA is being requested for due diligence purposes and that redevelopment of the Site for residential use is proposed. A Record of Site Condition (RSC) with the Ministry of the Environment, Conservation, and Parks (MECP) for the Site is not required at this time.

The Site is located at the northwest corner of Mayfield Road and Heart Lake Road in a mixed residential, commercial and agricultural are of Caledon, Ontario. The Site is semi-rectangular in shape, occupying an area of approximately 24.50 ha (60.5 acres). The Phase One Property exists as agricultural land currently utilized for cash crop farming purposes. Additionally, the Heart Lake Wetland Complex is located on the southwest and central portions of the Site.

Proposed redevelopment of the Site has been proposed as a residential subdivision. The location and current configuration of the Site is provided on Figure 1 and Figure 2, attached.

2.1 PHASE ONE PROPERTY INFORMATION

Property information for the Site is provided in the table below.

Table 2-1 Property Information

CRITERIA	PHASE ONE PROPERTY INFORMATION
i. Current Property Owner	Clearbrook Developments Ltd.
ii. Phase One Representative	Mrs. Jane Deighton Clearbrook Developments Ltd. 506-80 Front St E Toronto, Ontario M5E 1T4
iii. Municipal Address	No Fixed address – 0 Heart Lake Road, Caledon, ON
iv. Property Identification Numbers (PINs)	14235-5842
v. Legal Descriptions	Part of Lot 18, Concession 2 East of Hurontario Street, Town of Caledon

A Preliminary Plan of Survey dated 2020, completed by Ontario Land Surveyor J. H. Gelbloom Surveying Limited, was provided for the Site. The Plan of Survey is included as **Appendix A.**

3 SCOPE OF INVESTIGATION

The purpose of the assessment was to:

- Determine the actual or potential environmental liabilities at the Site;
- Characterise any liabilities of environmental concern;
- Assess environmental risks; and,
- Provide a basis for subsequent investigation of the Site based on the Phase One ESA findings.

As such, the objective of the assessment was to undertake a Phase One ESA for the Site in accordance with O. Reg. 153/04, including:

- Records Review;
- Interviews and Correspondence;
- Site Reconnaissance; and,
- Preparation of a Phase One ESA Report, including a Phase One CSM.

4 RECORDS REVIEW

Below is a summary of the records review undertaken by WSP in accordance with O. Reg 153/04 as part of this Phase One ESA. The records review provides Phase One Property information regarding the physical setting, history of development, and land use in connection with the Site and adjacent properties.

The following information sources were used to obtain these records:

- An ERIS standard report was obtained for the Site and lands within a 250-m radius of the Site. A copy of the ERIS report is provided in Appendix B. Searches of databases and records not included in the ERIS report were conducted specifically for the Phase One Property, as referenced in the applicable sections below;
- An FOI request was submitted to the MECP and Municipality requesting a search of environmental records for the Phase One Property. Copies of the request and any documents obtained are included in Appendix C;
- Information and records were requested from the TSSA. Copies of the request, the response, and any documents obtained are included in Appendix C; and,
- Aerial photographs of the Phase One Property and surrounding Study Area were obtained from ERIS and Google Earth. Copies of the aerial photographs are provided in Appendix D.

4.1 GENERAL

Table 4-1 Summary of General Records Review

SOURCE	RECORDS REVIEW RESULT
i. Phase One Study Area Determination	The Phase One ESA Study Area for this undertaking included properties wholly, or partly, within 250 m of the site boundary. Properties wholly beyond 250 m of the site boundary were not added to the Study Area due to low potential impact to the environmental condition of the Site. The limits of the Phase One Study Area are presented on Figure 1.
ii. First Developed Use Determination	The first developed use of the Site was determined by a review of the chain of title, aerial photographs, and records review. Based on the 1878 York County Atlas, it appears that the Phase One Property was historically part of an agricultural lot which contained an orchard and a small shed-like structure on the central portion of the Site. The Site has remained agricultural land use from the late 1880s until present time.
iii. Fire Insurance Plans (FIPs)	No FIPs were available for review at the time of this assessment.
iv. Chain of Title	A chain of title search was not completed as part of this assessment. Information pertaining to the use of the Phase One Property dating back to the first developed land use was obtained from the City Directory Search and other records reviewed as part of this assessment, as detailed in previous and subsequent sections of this report Based on the 1878 York County Atlas, it appears that the Phase One Property was historically part of an agricultural lot which contained an orchard and a small shed-like structure on the central portion of the Site. The Site has remained agricultural land use from the late 1880s until present time. Inferred land use from the records review is provided in Table 1, attached.
v. Environmental Reports	Previous environmental reports were not available for review at the time of this assessment.
vi. City Directories	City directories were not available for the Phase One Property at the time of this assessment.

4.2 ENVIRONMENTAL SOURCE INFORMATION

Table 4-2 Summary of Environmental Source Records Review

SOURCE	RECORDS REVIEW RESULT
i. Environmental Risk Information Services Report (ERIS)Standard Report	WSP obtained an ERIS Standard Report for the Phase One Property and surrounding Study Area. The ERIS report tabulates the results of a search of provincial, federal, and private source databases which are considered relevant in the identification of potential environmental risks associated with the Site. The ERIS Report identified four (4) records for the Site, and forty-five (45) records for properties within the Phase One Study Area. The ERIS report also identified several records which were "unplottable" but pertained to the Phase One Study Area. Records pertaining to the Site are summarized in subsequent sections below, along with notable records found within the Study Area. A copy of the ERIS report is included as Appendix B.
ii. National Pollutant Release Inventory (NPRI)	The ERIS report did not identify any NPRI records for the Phase One Property and/or Phase One Study Area, as summarized below.
iii. PCB Inventories	The ERIS report did not identify PCB Inventory records for the Site and/or within the Phase One Study Area.
iv. Ministry of the Environmental Compliance Approval (ECA), Permits to Take Water (PTTW) and Certificates of Property Use (CPU)	The ERIS report did not identify MECP ECA, PTTW, or CPU records for the Site; however, four (4) records within the Study Area were identified. Due to distance from the Phase One Property and/or location relative to the inferred ground water flow direction, the properties identified within the Study Area were not anticipated to have impacted the environmental quality of the Site, and are not listed herein. Details pertaining to these additional records can be found in the ERIS report in Appendix B.
v. Inventory of Coal Gasification Plants	The ERIS report did not identify records of coal gasification plants or coal tar sites relating to the Phase One Property or within the Phase One Study Area.
vi. Records of Environmental Incidents, Orders, Offences, Spills, Discharges of Contaminants or Inspections	An FOI request was submitted to the MECP, requesting information pertaining to environmental incidents, orders, offences, spills, discharges of contaminants, or inspections for the Phase One Property. A response has not yet been received from the MECP regarding the FOI request and notification will be provided if any records are identified by the MECP file search. A copy of the MECP FOI request form and can be found in Appendix C. The ERIS report did not identify records pertaining to incidents, spills, discharges of contaminants, or inspections for the Phase One Property; however, three (3) records of spills were identified within the Phase One Study Area. Due to distance from the Phase One Property, location relative to the inferred ground water flow direction, and the nature of spills identified within the Study Area were not anticipated to have impacted the environmental quality of the Site, and are not listed herein. Details pertaining to these additional records can be found in the ERIS report in Appendix B.
vii. O. Reg. 347 Waste Generators / Receivers Summary Records	The ERIS Report did not identify Waste Generators/Receiver Records for the Site, and two (2) Waste Generator records were identified for properties located within the Phase One Study Area. Due to distance from the Phase One Property, location relative to the inferred ground water flow direction, and the nature of waste products identified, the properties identified in the Waste Generators database within the Study Area were not anticipated to have impacted the environmental quality of the Site, and are not listed herein. Details pertaining to these additional records can be found in the ERIS report in Appendix B.

SOURCE	RECORDS REVIEW RESULT
viii. MECP Waste Disposal Inventory	The ERIS report did not identify records pertaining to the Phase One Property with regards to large or small scale, active or closed landfill sites.
ix. Records of Fuel Storage	An information request was submitted to the TSSA pertaining to underground and aboveground fuel storage for the Site and adjacent properties. The TSSA response indicated that no records were identified pursuant to WSP's request. Copies of the TSSA request and response are included in Appendix C. The ERIS report did not identify records of fuel storage for the Phase One Property and/or properties within the Phase One Study Area.
x. Environmental Registry	The ERIS report did not identify records of Environmental Registrations for the Phase One Property and/or Phase One Study Area.
xi. Scott's Manufacturing Directory	The ERIS report did not identify any manufacturing records for the Site or within the Phase One Study area.
xii. Areas of Natural Significance	The Natural Heritage Areas database lists areas of natural significance including provincial parks, conservation reserves, areas of natural and scientific interest, wetlands environmentally significant areas, habitats of a threatened or endangered species, and wilderness areas. A review of this database listed the Eastern Meadowlark (bird) and bobolink (bird) as threatened species and the butternut (tree) as endangered species which may be located within 1km of the Site. According to the MECP, the Eastern Meadowlark is a medium-sized, migratory songbird. The Eastern Meadowlarks breed primarily in moderately tall grasslands, such as pastures and hayfields, but are also found in alfalfa fields, weedy borders of croplands, roadsides, orchards, airports, shrubby overgrown fields, or other open areas. Small trees, shrubs or fence posts are used as elevated song perches. According to the MECP, the Bobolink is a medium sized songbird found in grasslands and hayfields. Bobolinks often build their small nests on the ground in dense grasses. Both parents usually tend to their young, sometimes with a third Bobolink helping. According to the MECP, the Butternut is a medium-sized tree that can reach up to 30 m in height. It belongs to the walnut family and produces edible nuts in the fall. The bark of younger trees is grey and smooth, becoming ridged as it ages. In Ontario, Butternut usually grows alone or in small groups in deciduous forests. It prefers moist, well-drained soil and is often found along streams. It is also found on well-drained gravel sites and rarely on dry rocky soil. This species does not do well in the shade, and often grows in sunny openings and near forest edges. As the Phase One Property currently exists as agricultural fields and, the Eastern Meadowlark, Bobolink and/or Butternut may be located onsite. An environmental specialist could be retained to undertake a site-specific ecological assessment if required. Additionally, two (2) areas of natural significance identified south adjacent to the Site, referred to as 'Brampton Buried Esker' and 'Heart Lake Forest & Bog', which appears to occupy 2.5 km of protected area. Provincially significant wetland was determined to be present on the central to southern portion of the Site and an unevaluated wetland west adjacent to the Site.

4.3 PHYSICAL SETTING SOURCES

Table 4-3 Summary of Physical Setting Sources Records Review

SOURCE	RECORDS REVIEW RESULT
i. Aerial Photographs – National Air Photo Library	Aerial photographs from the Region of Peel Archives were requested and reviewed as part of this assessment. The first available aerial photograph from 1967 was reviewed in order to determine early land use. Subsequent aerial photographs were obtained for review at approximately ten-year intervals, as available (i.e., 1978, 1989, and 1996) in order to observe changes to the Phase One Property and surrounding Study Area over time. The County Atlas of York was utilized to obtain a more historical image from 1878, and Google Earth was utilized to obtain more recent satellite images from 2006 and 2018. Significant information depicted from these photographs, where possible, is summarized below, copies of the documents are provided in Appendix D. **Peel County Atlas – 1878** — The Phase One Property appeared to be agricultural land with a dwelling structure and an orchard located at the central portion of the Site. Surrounding properties in the Study Area appeared to be primarily used for agricultural land use. — A large circular depression feature (possibly reservoir) was depicted to the south of the Site. **1967** — The Phase One Property appeared to be agricultural land, with a small shed-like structure located on the central-northern portion of the Site. The Heart Lake Wetland Complex was depicted in the central and southwest portions of the Site. — West and south adjacent to the Site appeared to be a wetland with a tributary of Heart Lake and some forested areas. — North and east of the Site appeared to be agricultural land utilized for farming purposes. **1978** — The Site appeared similar to the 1967 aerial photograph. — A small residential building structure was noted to the west of the Site. **1989** — The Site appeared similar to the 1978 aerial photograph. — North of the Site appeared to be used for agricultural land use with a residential structures noted to be present at the northeast portion of the Study Area. East of the Site appeared to be used for agricultural land use. — West and south of the Site appear to be forested land with some agricultural land use. Tributaries of Heart Lake appear to be present to the west and south of the Site. — An additional small residential building structure was noted to the west of the Site. — A residential subdivision appeared to be under development further south to southwest of the Site. **1996** — The Site and surrounding Study Area appeared similar to the 1989 aerial photograph. **2006** — The Site and surrounding Study Area appeared similar to the 1996 aerial photograph, with the exception of the removal of the onsite shed, which no longer appeared to be present. Additionally, Highway 410 appeared to be under development to the north and east of the Site. **2018** — The Site and surrounding Study Area appeared similar to the 2006 Google Earth Image, with the exception of Highway 410 which appeared to be fully developed north and east of the Site.
ii. Topography, Hydrology, Geology	The topography for the agricultural fields is generally flat with a gentle slope to the south. The topography of the wetland complex appears quite variable and ultimately slopes to the south/southeast.

SOURCE	RECORDS REVIEW RESULT
	Surface elevations on site range from approximately 260-270 mASL. The southeastern portion of the Site appeared to contain a tributary associated with Etobicoke Creek. Stormwater runoff from the Site enters the roadside ditches along Mayfield Road to the south and Heart Lake Road to the east. The topography in the vicinity of the Phase One Property slopes to the southwest. Based on the local topography, the inferred shallow ground water flow direction of the Phase One Study Area is to the southeast towards Heart Lake, which is located approximately 1.08 km southeast of the Site. The Site is situated in the drumlizined till plains generally characterized by clay to silt textured till derived from glaciolacustrine deposits. It should be noted that the soil type in the vicinity of the wetland complex was identified as organic deposits of peat, muck and marl. The underlying bedrock within the area is shale, limestone, dolostone and siltstone of the Queenston Formation. Based on a review of the MECP well records, the depth of the bedrock in the vicinity of the Site is at approximately 47 to 53 mbgs. The topography and the location of the Site relative to waterbodies within the Study Area is provided on Figure 1, attached.
iii. Fill Materials	Based on the records review, no fill material was identified on the Phase One Property.
iv. Water Bodies and Areas of Natural Significance	A tributary of Heart Lake is located on the central to southern portion of the Site, as well as west adjacent to the Site. Heart Lake is located approximately 1.08 km southeast of the Site, ultimately draining south to Lake Ontario. The Heart Lake Wetland Complex which is identified as a provincially significant wetland is located on the west and central portion of the Site, as well as west adjacent to the Site. Two (2) areas of natural significance were identified south adjacent to the Site, referred to as 'Brampton Buried Esker' and 'Heart Lake Forest & Bog', which appears to occupy 2.5 km of protected area. No other areas of natural significance were identified within the Phase One Study Area.
v. Well Records	The ERIS report did not identify well records for the Phase One Property. Forty (40) records were identified within the surrounding Study Area. Based on a review of these records, the stratigraphy in the vicinity of the Site was generally described as clay to a maximum depth of 3.0 mBGS, underlain by medium sand at depths ranging from 3.0 to 25 mBGS, in turn underlain by silty sand to the maximum depth of investigation (53 mBGS). Bedrock was identified in the records at an approximate depth of 47 to 53 mBGS. The depth to ground water measured in the Study Area ranged from 1.5 to 2.0 mBGS. The well types ranged from domestic water supply, abandoned and/or monitoring/observation wells. The approximate well locations are depicted on Figure 1.

4.4 SITE OPERATING RECORDS

To be classified as an enhanced investigation property, the Phase One Property must be used or have been used in whole or in part for any of the following uses:

- any industrial use;
- as a garage;
- as a bulk liquid dispensing facility, including a gasoline outlet; or,
- for the operation of dry cleaning equipment.

The Phase One Property has remained agricultural land from the late 1880s until present time and is therefore not considered an enhanced investigation property.

5 INTERVIEWS

WSP conducted the following interviews with persons knowledgeable about the Phase One Property. The following table provides a summary and assessment of the information gleaned from the interviews.

Table 5-1 Details of The Phase One Interview

REQUIRED INFORMATION	SPECIFICS
i. Date, place, and method of the interviews and the name of person being interviewed	Date: April 20th, 2021
	Place: 0 Heart Lake Road, Parcel 6, Caledon, ON
	Interview method: E-mail
	Interviewee: Ms. Jane Deighton
ii. Reason that the person was identified as an interview subject	Ms. Deighton is the President of Clearbrook Developments and is considered knowledgeable about past operations at the Site.
iii. Relevant information concerning potentially contaminating activity and areas of potential environmental concern noted by the interviewer	Ms. Deighton indicated that the Phase One Property has remained agricultural land until present time.
iv. Reliability	Through a comparison of the information provided by Ms. Deighton with information collected through the records review, WSP believes that Ms. Deighton is a reliable source for valid information about the Site.

6 SITE RECONNAISSANCE

A site reconnaissance of the Phase One Property was conducted by WSP as part of this assessment. The reconnaissance included a visual inspection of adjacent properties and properties located within the Phase One Study Area, conducted from the boundary of the Site and from publicly accessible areas to identify any PCAs. A written description documenting the observations and investigation of the Phase One Property and Phase One Study Area is provided in the following subsections.

6.1 GENERAL REQUIREMENTS

Table 6-1 Site Reconnaissance Investigation Details

CRITERION	PHASE ONE PROPERTY INFORMATION
i. Date and time of investigation	April 20th, 2021 from 10:00 to 1:00 pm
ii. Weather conditions	The temperature was approximately -2°C and weather conditions were clear.
iii. Length of time of the investigation	2 hours
iv. Whether the facility was operating at the time of the investigation, where the Phase One property is an enhanced investigation property that is currently being used for one of the uses described in clause 32 (1)(b) of the regulation	The Phase One Property was vacant land and not in operation at the time of the site visit.
v. The name and qualifications of the person conducting the investigation	The site reconnaissance was conducted by Mrs. Llasheema Everett, M.Env.Sc.. Mrs Everett's qualifications are outlined in Section 8.4

Select photographs taken during the Site reconnaissance, including a written description and explanation, are provided in Appendix E.

6.2 SPECIFIC OBSERVATIONS AT THE PHASE ONE PROPERTY

Table 6-2 Site Reconnaissance Observations

IDENTIFIABLE FEATURES	SPECIFIC OBSERVATIONS
STRUCTURES	
. Subject Site Structures and Improvements including Number and age of Buildings and Below-Ground Structures	The Phase One Property was unoccupied vacant land with no buildings present at the Site. A small wooden structure was observed at the southeastern portion of the Site, which was confirmed to be part of the former barn structure.
ii. Underground Storage Tanks (UST)	There was no evidence of USTs observed during the site reconnaissance, including vent pipes, fill pipes, or soil depressions observed on the Site.
iii. Above Ground Storage Tanks (AST)	There were no ASTs observed during the site reconnaissance; however, it was noted that a cistern was placed at the southeastern portion of the Site in association with the

IDENTIFIABLE FEATURES	SPECIFIC OBSERVATIONS
	agricultural uses of the property. The cistern appeared to be empty with no staining or odours observed, and therefore not of concern at this time.
iv. Potable and Non-Potable Water Sources	Potable water is not anticipated to service the Site. There were no potable water wells observed on the Site.
UNDERGROUND UTILITIES	
v. Underground Utilities and Corridors	It is not anticipated that underground utilities and corridors exist under the Phase One Property, as no buildings or structures are present at the Site. Buried drainage tiles may be located in the agricultural fields. The exact location of the drainage tiles is currently unknown at this time.
INTERIOR OF STRUCTURES	
vi. Entry and Exit Points	No buildings and/or structures were present at the Site.
vii. Details of Former or Existing Heating & Cooling Systems	No heating or cooling systems were present at the Site.
viii. Details of Drains, Pits, and Sumps, including Current and Former Use and Any Evidenced of Staining or Corrosion	No drains, pits and/or sumps were present at the Site.
ix. Datils of Any Unidentified Substances	No unidentified substances that could have an effect on the environmental conditions at the Site were observed.
MISCELLANEOUS	
x. Details and Location of Wells	Five (5) monitoring wells were observed on the Phase One Property.
xi. Details of Sewage Works, including Location	No sewage works are present at the Site.
xii. Ground Surface Details	The ground surface of the agricultural fields existed as barren soil with former vegetation stubbles. Low lying grasses, shrubs and/or trees were present in the wetland complex.
xiii. Former or Current Railway Lines or Spurs	There was no indication of any former or current rail lines or spurs on the Phase One Property.
EXTERIOR OBSERVATIONS	
xiv. Areas of Stained Soil, Vegetation or Pavement	No areas of stained soil, pavement, or vegetation were observed on the Site.
xv. Areas of Stressed Vegetation	There was no evidence of stressed vegetation observed on the Site.
xvi. Areas Where Fill and Debris Materials Appear to Have Been Placed or Graded	No fill material was identified at the Phase One Property.
xvii. Potentially Contaminating Activity	No potentially contaminating activities were observed during the Site Reconnaissance.
xviii. Details of Unidentified Substances Found at the Property	There were no unidentified substances observed outside the building at the Phase One Property.

6.2.1 ENHANCED INVESTIGATION PROPERTY

Based on the current and historical uses, the Site has not been used in a manner described in clause 32 (1) (b) of O. Reg. 153/04 and therefore is not considered an enhanced investigation property.

6.3 OBSERVATIONS WITHIN PHASE ONE STUDY AREA

Table 6-3 Phase One Study Area Reconnaissance Observations

CRITERION	SPECIFIC OBSERVATIONS
i. Adjacent Land Uses	Adjacent land uses at the time of the Site reconnaissance are illustrated on Figure 1, and were noted as follows: **North:** Highway 410, agricultural land, residential dwellings **South:** Mayfield Road, wetland complex **East:** Landscaping company, residential, agricultural land **West:** Agricultural land, wetland complex
ii. Water Bodies	A tributary of Heart Lake is located on the central to southern portion of the Site, as well as west adjacent to the Site. Heart Lake is located approximately 1.08 km southeast of the Site, ultimately draining south to Lake Ontario.
iii. Areas of Natural Significance	The Heart Lake Wetland Complex which is identified as a provincially significant wetland is located on the west and central portion of the Site, as well as west adjacent to the Site. Two (2) areas of natural significance were identified south adjacent to the Site, referred to as 'Brampton Buried Esker' and 'Heart Lake Forest & Bog', which appears to occupy 2.5 km of protected area. No other areas of natural significance were identified within the Phase One Study Area.
iv. Potentially Contaminating Activity	During the site reconnaissance, no PCAs were identified

7 REVIEW AND EVALUATION OF INFORMATION

7.1 CURRENT AND PAST USES

The table of current and past uses of the Phase One Property, presented on the form as approved by the Director, is provided as Table 1, attached. The date and name of the owners was obtained from available information obtained during the Phase One ESA records review.

7.2 POTENTIALLY CONTAMINATING ACTIVITY

PCAs on the Phase One Property or within the Phase One Study Area that may be contributing to an APEC are summarized in Table 2, attached.

PCAs, including the number and location of USTs (if known), are illustrated on the Phase One Conceptual Site Model that is provided as Figure 1 and Figure 2, attached.

7.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Based on a review of the PCAs summarized in Table 2, APECs were identified on the Site. The table of APECs presented in the form as approved by the Director is provided as Table 3. The table was prepared in accordance with clause 16(2)(a), Schedule D, O. Reg. 153/04.

7.4 PHASE ONE CONCEPTUAL SITE MODEL

Through analysis and interpretation of available information gathered during the Phase One ESA, a CSM was developed for the Phase One Property, as summarized in the table below.

Table 7-1 Phase One Conceptual Site Model

CRITERION	DISCUSSION
i. Figures of the Phase One Study Area	Phase One CSM figures for the Site are presented as Figures 1 and 2. The figures present the following information for the Phase One Property and Phase One Study Area: — Any existing buildings and structures; — Water bodies located in whole, or in part, on the Phase One Study Area; — Areas of natural significance located in whole, or in part, on the Phase One Study Area; — Water wells at the Phase One Property or within the Phase One Study Area; — Roads, including names, within the Phase One Study Area; — Uses of properties adjacent to the Phase One Property; — Areas where any PCAs have occurred, including location of any tanks; and — Location of APECs.

CRITERION	DISCUSSION
ii. Any areas where potentially contaminating activities on, or potentially affecting. the Phase One Property have occurred	Table 2 provides a summary and assessment of the identified PCAs within the Phase One Study Area and at the Phase One Property, including which PCAs were determined to be contributing to an APEC at the Phase One Property. Potentially contaminating activities identified within the Phase One Study Area and on the Phase One Property are shown on Figures 1. PCAs determined to be contributing to an APEC on the Site are shown in red, and PCAs which are considered not to be contributing to an APEC are shown in black. The resulting APECs are illustrated on Figure 2.
iii. Any contaminants of potential concern (COPCs)	Table 3 provides a summary of the APECs on the Phase One Property, identifying the PCAs considered to be contributing to the on-site APECs and indicates their location at the Phase One Property, the associated COPCs, and the medium that is potentially affected. Figure 2 of the Phase One CSM shows the location of the identified APECs.
iv. The potential for underground utilities, if any present, to affect contaminant distribution and transport	Underground utilities have the potential to affect contaminant distribution and transport. It is not anticipated that underground utilities and corridors exist under the Phase One Property, as no buildings or structures are present at the Site. Buried drainage tiles may be located in the agricultural fields. The exact location of the drainage tiles is currently unknown at this time.
v. Available regional or site specific geological and hydrogeological information	The topography for the agricultural fields is generally flat with a gentle slope to the south. The topography of the wetland complex appears quite variable and ultimately slopes to the south/southeast. Surface elevations on site range from approximately 260-270 mASL. The southeastern portion of the Site appeared to contain a tributary associated with Etobicoke Creek. Stormwater runoff from the Site enters the roadside ditches along Mayfield Road to the south and Heart Lake Road to the east. The topography in the vicinity of the Phase One Property slopes to the southwest. Based on the local topography, the inferred shallow ground water flow direction of the Phase One Study Area is to the southeasterly towards Heart Lake, which is located approximately 1.08 km southeast of the Site. The Site is situated in the drumlizined till plains generally characterized by clay to silt textured till derived from glaciolacustrine deposits. It should be noted that the soil type in the vicinity of the wetland complex was identified as organic deposits of peat, muck and marl. The underlying bedrock within the area is shale, limestone, dolostone and siltstone of the Queenston Formation. Based on a review of the MECP well records, the depth of the bedrock in the vicinity of the Site is at approximately 47 to 53 mbgs.
vi. How any uncertainty or absence of information obtained in each of the components of the phase one environmental site assessment could affect the validity of the model	During the records review, WSP relied on information obtained from municipal, provincial, and independent sources as referenced in this report. Although the information was assessed for consistency, verification of the accuracy or the completeness of this third-party information was not completed. WSP made all reasonable inquiries to obtain accessible information for this assessment as required by O. Reg. 153/04 Schedule D Table 1: Mandatory Requirements for Phase One ESA Reports. The evaluation provided in this report reflects our best judgement considering the information available at the time of the report preparation. The observations of stressed vegetation were completed during seasonal senescence of deciduous plants creating a minor uncertainty.

CRITERION	DISCUSSION
vii. If the exemption set out in paragraph 1 or 2 of section 49.1 of the regulation is being relied upon, document the rationale for relying upon the exemption, which may be based on information gathered reconnaissance.	Not applicable.
viii. If there is an intention to rely upon the exemption set out in paragraph 3 of section 49.1 of the regulation, set out the intention to rely upon the exemption and provide a brief explanation as to why the exemption may apply, which may be based on information gathered during one or more of the records review, interviews and site reconnaissance.	Not applicable.

8 CONCLUSIONS

A Phase One ESA was conducted for the property located at 0 Heart Lake Road, Caledon, Ontario (Parcel 6 on Snell's Hollow Preliminary Constraights Plan' – dated July 19, 2018). It is understood that this Phase One ESA is being used for due diligence purposes in support of proposed residential redevelopment, and that an RSC is not required at this time.

Based on the information obtained as part of the Phase One ESA, it is concluded that PCAs on the Site and/or within the Phase One Study Area resulted in the identification one (1) APECs on the Phase One Property. Based on the APECs identified during this investigation, associated COPCs include metals and ORPs, and OC Pesticides. The table of APECs presented in the form as approved by the Director is provided in Table 3, attached.

8.1 WHETHER PHASE TWO ENVIRONMENTAL SITE ASSESSMENT REQUIRED BEFORE RECORD OF SITE CONDITION SUBMITTED

Based on the findings of the Phase One ESA, current and historical PCAs which could adversely affect environmental condition of the Site were identified; therefore, a Phase Two ESA is required to characterize soil and quality prior to filing an RSC, should an RSC be required.

8.2 RECORD OF SITE CONDITION BASED ON PHASE ONE ENVIRONMENTAL SITE ASSESSMENT ALONE

Based on the findings of the Phase One ESA alone, a RSC cannot be filed at this time.

8.3 QUALIFIER

WSP Canada Incorporated (WSP) prepared this report solely for the use of the intended recipient, Clearbrook Developments Ltd., in accordance with the professional services agreement. In the event a contract has not been executed, the parties agree that the WSP General Terms for Consultant shall govern their business relationship which was provided to you prior to the preparation of this report.

The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment. The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the present report are based on the observations and/or information available to WSP at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by WSP and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

WSP disclaims any obligation to update this report if, after the date of this report, any conditions appear to differ significantly from those presented in this report; however, WSP reserves the right to amend or supplement this report based on additional information, documentation or evidence.

WSP makes no other representations whatsoever concerning the legal significance of its findings.

The intended recipient is solely responsible for the disclosure of any information contained in this report. If a third party makes use of, relies on, or makes decisions in accordance with this report, said third party is solely responsible for such use, reliance or decisions. WSP does not accept responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken by said third party based on this report.

WSP has provided services to the intended recipient in accordance with the professional services agreement between the parties and in a manner consistent with that degree of care, skill and diligence normally provided by members of the same profession performing the same or comparable services in respect of projects of a similar nature in similar circumstances. It is understood and agreed by WSP and the recipient of this report that WSP provides no warranty, express or implied, of any kind. Without limiting the generality of the foregoing, it is agreed and understood by WSP and the recipient of this report that WSP makes no representation or warranty whatsoever as to the sufficiency of its scope of work for the purpose sought by the recipient of this report.

In preparing this report, WSP has relied in good faith on information provided by others, as noted in the report. WSP has reasonably assumed that the information provided is correct and WSP is not responsible for the accuracy or completeness of such information.

Unless otherwise agreed in writing by WSP, the Report shall not be used to express or imply warranty as to the suitability of the site for a particular purpose. WSP disclaims any responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions /or costs.

Elevations used in this report are primarily to establish relative elevation differences between the specific testing and/or sampling locations and should not be used for other purposes, such as grading, excavating, construction, planning, development, etc.

Design recommendations given in this report are applicable only to the project and areas as described in the text and then only if constructed in accordance with the details stated in this report. The comments made in this report on potential construction issues and possible methods are intended only for the guidance of the designer. The number of testing and/or sampling locations may not be sufficient to determine all the factors that may affect construction methods and costs. We accept no responsibility for any decisions made or actions taken as a result of this report unless we are specifically advised of and participate in such action, in which case our responsibility will be as agreed to at that time.

Overall conditions can only be extrapolated to an undefined limited area around these testing and sampling locations. The conditions that WSP interprets to exist between testing and sampling points may differ from those that actually exist. The accuracy of any extrapolation and interpretation beyond the sampling locations will depend on natural conditions, the history of Site development and changes through construction and other activities. In addition, analysis has been carried out for the identified chemical and physical parameters only, and it should not be inferred that other chemical species or physical conditions are not present. WSP cannot warrant against undiscovered environmental liabilities or adverse impacts off-Site.

The original of this digital file will be kept by WSP for a period of not less than 10 years. As the digital file transmitted to the intended recipient is no longer under the control of WSP, its integrity cannot be assured. As such, WSP does not guarantee any modifications made to this digital file subsequent to its transmission to the intended recipient.

This limitations statement is considered an integral part of this report.

8.4 QUALIFICATIONS OF THE ASSESSORS

Mrs. Llasheema Everett, M.Env.Sc., is an Environmental Scientist in the Toronto office of WSP Canada Inc. She has experience in conducting Phase One and Two Environmental Site Assessments on numerous residential, commercial, and industrial properties. Llasheema also has experience in completing soil and ground water contaminant delineation programs in accordance with Ontario Regulation 153/04 to support the future filing of Record of Site Conditions.

Mr. Michael Wilson, C.E.T., LET, QP_{ESA}, is a Project Manager in the Toronto, Ontario office of WSP Canada Inc. Mr. Wilson is a licenced engineering technologist (LET) and holds a limited licensed with the Professional Engineers of Ontario. He is a Qualified Person under Ontario Regulation 153/04 and has experience in conducting Phase One and Two ESAs on numerous residential, commercial, and industrial properties.

8.5 SIGNATURES

PREPARED BY

Llasheema Everett, M.Env.Sc.
Environmental Scientist, Environmental

REVIEWED BY

For Mike Wilson:

Michael Wilson, C.E.T., LET, QP$_{ESA}$
Project Manager, Environmental

9 REFERENCES

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TABLES

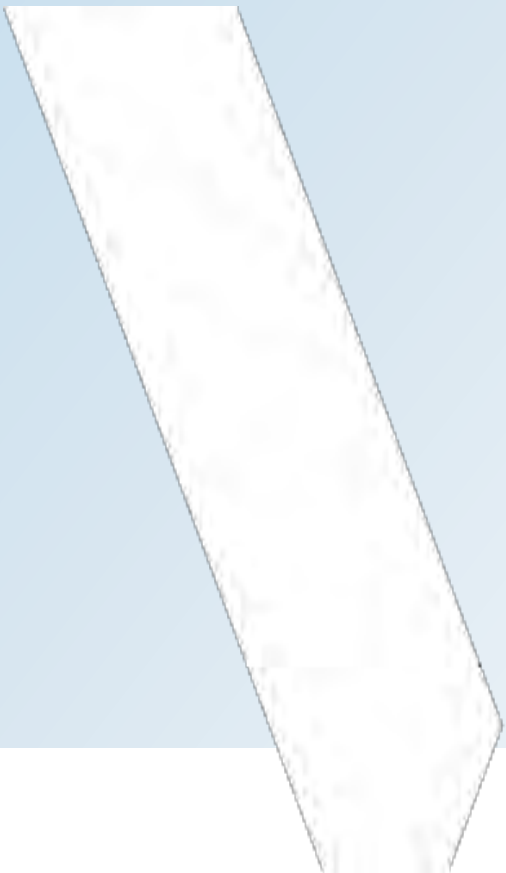


Table 1 - Current and Past Uses of the Phase One Property

(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

12414 Kennedy Road, Caledon, ON

Part of Lot 18, Concession 2 EHS, Part 1, 43R-37687

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
1787 - 1960	Private Owners	Undeveloped privately-owned land	Agriculture or other use	Records indicate the property was developed for agricultural land use.
1960 - 2008	J. Livingston, R. Livingston, A. Livingston	Undeveloped privately-owned land	Agriculture or other use	Records indicate the property was developed for agricultural land use.
2008 - 2020	J. Livingston, R Livingston, 2144102 Ontario Limited	Undeveloped privately-owned land	Agriculture or other use	Records indicate the property was developed for agricultural land use.

Notes:

1 - for each owner, specify one of the following types of property use (as defined in O. Reg. 153/04) that applies:

- Agriculture or other use
- Commercial use
- Community use
- Industrial use
- Institutional use
- Parkland use
- Residential use

Table 2 - Summary of Potentially Contaminating Activities On-Site and Within Phase One Study Area

(Refer to Table 2, Schedule D, O. Reg. 153/04)

Potentially Contaminating Activity		Description
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	**Phase One Study Area -** The ERIS report indicated 'Gore Landscaping' located at 12179 Heart Lake Road, approximately 100 m north of the northern portion of the Site, as a pesticide operator, however due to the limited mobility of contaminants associated with this operation, it is not antcipated to be contributing to an APEC for the Site.
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	**Phase One Property** - It is noted that the Site has been used for agricultural purposes from the late 1800s until present time (**APEC 1**).
58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	**Phase One Study Area** – The ERIS report indicated the presence of 'Toronto & Region Conesrvation Authority' located at 11900 Heart Lake Road, approximately 90 m southeast of the Site and Gore Landscaping located at 12179 Heart Lake Road, approximately 120 m northeast of the Site were listed in the O.Reg. 347 Waste Generators database for the generation, use and/or storage of waste oils & lubricants in 1994 to 2018. Due to the relative distance of these properties to the Site and/or the inferred groundwater flow direction, they are not anticipated to be contributing to an APEC for the Site.
A	Spills	**Phase One Study Area** – In the Ontario Spills database, a transport truck reportedly spilled approximately 450 L of diesel to the roadway in January 1993 due to an overturn, at Heart Lake and Mayfield Road. As this spill is inferred to have been on the roadway and due to the elapsed time of this incident, it is not anticipated to be contributing to an APEC for the Site.

Notes:

1 - Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D of O.Reg 153/04

2 - A represents a PCA not specified in Table 2, Schedule D of O. Reg 153/04

3 - Red highlighting indicates that the PCA is considered contributing to an APEC

Table 3 - Areas of Potential Environmental Concern

(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity		Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
1	Entire Phase One Property	**40**	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-site	metals, Sb, Cr (VI), Hg, Se, OC Pesticides	Soil

Notes:

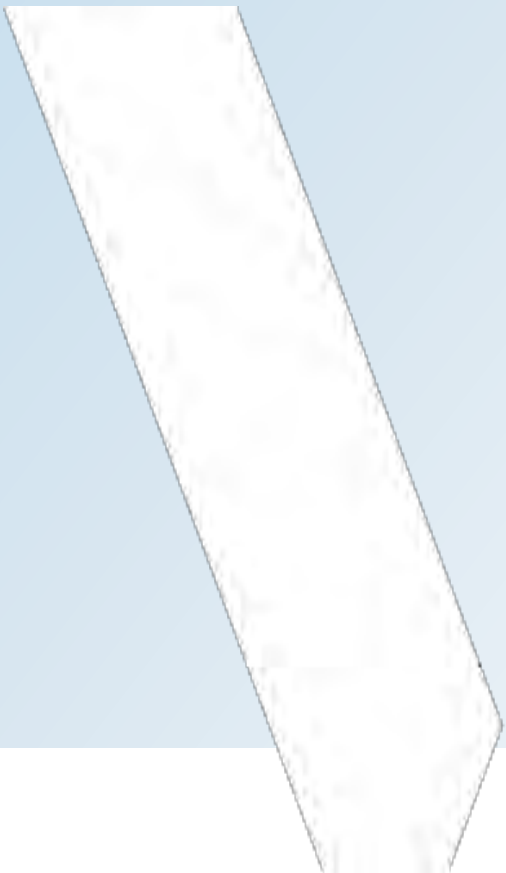
1 - Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
(a) identification of past or present uses on, in or under the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

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

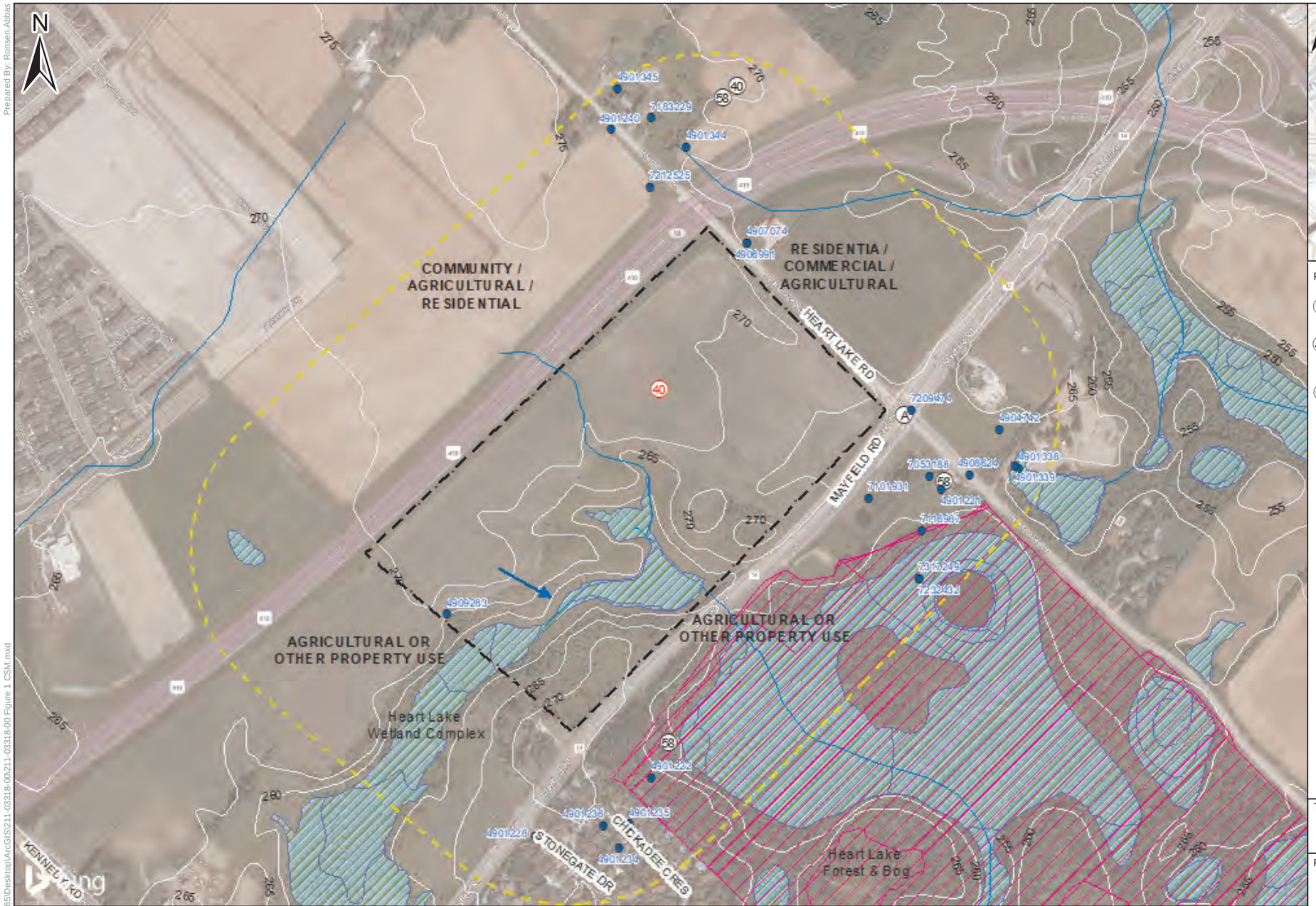
3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

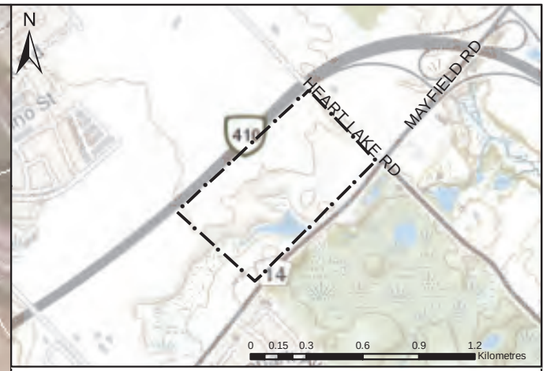
ABNs - Acid Base Neutral Compounds	PCBs - Polychlorinated Biphenyls	Metals	Electrical Conductivity
CPs - Chlorophenyls	PAHs - Polycyclic Aromatic Hydrocarbons	As, Sb, Se - Arsenic, Antimony, Selenium	Cr (VI) - Hexavalent Chromium
1, 4 - Dioxane	THMs - Trihalomethanes	Na - Sodium	Hg - Mercury
Dioxins/Furans, PCDDs/PCDFs	VOCs - Volatile Organic Compounds	B-HWS - Boron (Hot Water Soluable)	Methyl Mercury
OCs - Organochlorine Pesticides	BTEX - Benzene, Toluene, Ethylbenzene, Xylenes	Cr^{-} - Chromium	High/Low pH
PHCs - Petroleum Hydrocarbons	Ca, Mg - Calcium, Magnesium	CN^{-} - Cyanide	SAR - Sodium Adsorption Ratio

FIGURES



Prepared By: Ronsen Abbas





POTENTIALLY CONTAMINATING ACTIVITES (PCAs):

(A) SPILL

(40) PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS

(58) WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS

DATA SOURCE:

LEGEND:

- 250m STUDY AREA
- SITE BOUNDARY
- ANSI
- WETLAND
- INFERRED GROUNDWATER FLOW DIRECTION
- 5m TOPOGRAPHIC CONTOUR
- RIVER
- MECP WATER WELL
- (#) PCA CONTRIBUTING TO APEC
- (#) PCA NOT CONTRIBUTING TO APEC

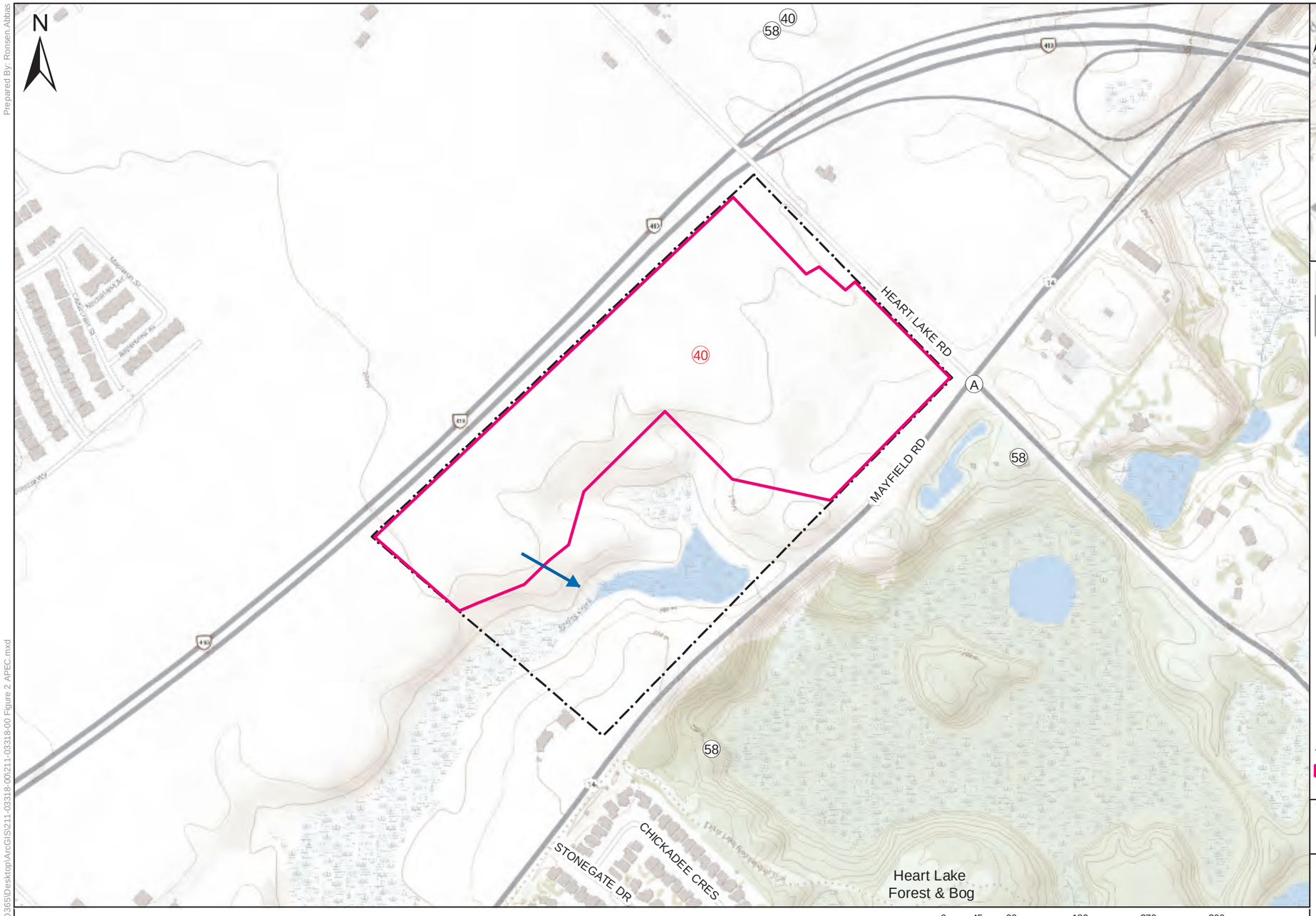
TITLE:
PHASE ONE CONCEPTUAL SITE MODEL

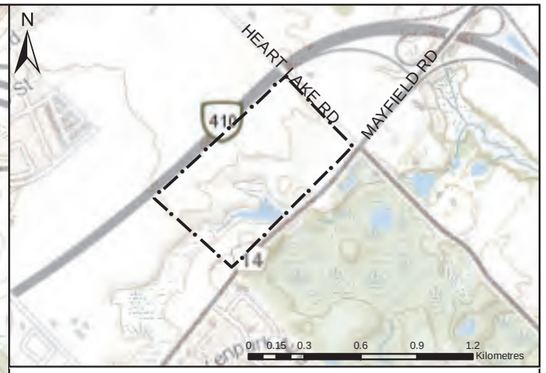
PROJECT:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
0 HEART LAKE ROAD
CALEDON, ON

CLIENT:
CLEARBROOK DEVELOPMENTS LTD.

PROJECT NO.:	REVIEWED BY:
211-03318-00	MW
DATE:	FIGURE:
MAY 2021	1

C:\Users\ronsen.abbas\OneDrive - WSP O365\Desktop\ArcGIS\211-03318-00\211-03318-00 Figure 1 CSM.mxd





APEC	PCA	COPC	Media
1	40	metals, Sb, Cr (VI), Hg, Se, OC Pesticides	Soil

Areas of Potential Environmental Concern (APECs):

APEC 1

DATA SOURCE:

LEGEND:

SITE BOUNDARY

INFERRED GROUNDWATER FLOW DIRECTION

(#) PCA CONTRIBUTING TO APEC

(#) PCA NOT CONTRIBUTING TO APEC

TITLE:

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

PROJECT:

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
0 HEART LAKE ROAD
CALEDON, ON

CLIENT:

CLEARBROOK DEVELOPMENTS LTD.

PROJECT NO.:	REVIEWED BY:
211-03318-00	MW
DATE: MAY 2021	FIGURE: 2

Prepared By: Ronsen Abbas

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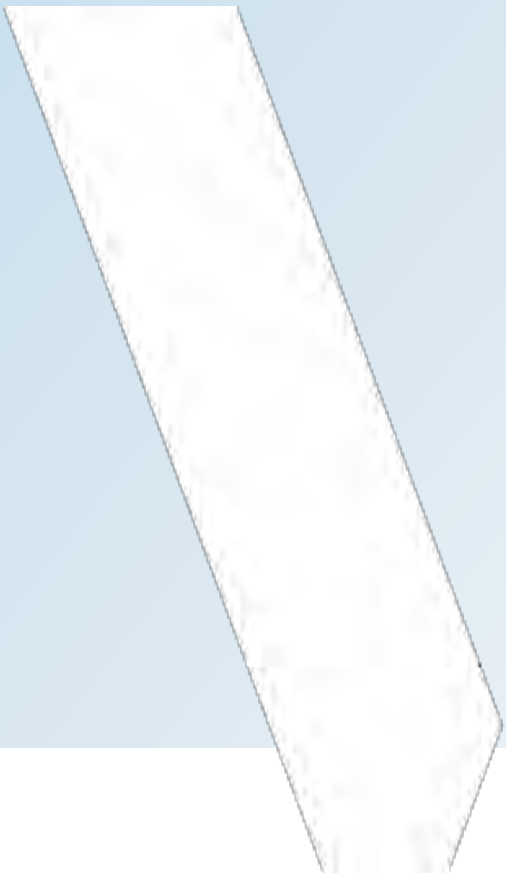
APPENDIX

A PLAN OF SURVEY



PRELIMINARY

THE KING'S HIGHWAY No. 410
PART 1, EXPROPRIATION PLAN PR#149438
(DESIGNATED AS CONTROLLED ACCESS HIGHWAY BY ORDER IN COUNCIL NO. RI177819 (P-5083-069))

THE KING'S HIGHWAY No. 410
PART 1, EXP. PLAN PR#220674
PIN 14235-1718

THE KING'S HIGHWAY No. 410
PART 1, EXP. PLAN PR#149443
PIN 14235-1703

BEARING NOTE

BEARINGS ARE GRID, DERIVED FROM SPECIFIED CONTROL POINTS LISTED IN THE FOLLOWING TABLE, AND ARE REFERENCED TO THE CENTRAL MERIDIAN OF 6° UTM ZONE 17 (81° WEST LONGITUDE) NAD83 (ORIG).

SPECIFIED CONTROL POINTS: UTM ZONE 17, NAD83 (ORIG).
COORDINATES TO URBAN ACCURACY PER SEC. 14(2) OF O.REG. 216/10

POINT ID	NORTHING	EASTING
00819780215	4 845 709.875	592 844.462
00919723865	4 844 326.403	593 300.262
00819780212	4 846 944.852	594 478.088

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

Distances shown on this plan are Ground Distances and can be converted to Grid Distances by Multiplying the Combined Scale Factor of 0.999675.

LEGEND

■	Survey Monument Found	N	North
SIB	Standard Iron Bar	S	South
SSIB	Short Standard Iron Bar	E	East
IB	Iron Bar	W	West
(WIT)	Witness		
(OU)	Origin Unknown		
JDB	J. D. Barnes Ltd., O.L.S.		
1184	Ernest Baison, O.L.S.		
1225	David B. Searles Surveying Ltd., O.L.S.		
1493	Young & Young Surveying Inc., O.L.S.		
1854	Vladimir Dosen Surveying, O.L.S.		
1808	J. H. Gelbloom Surveying Ltd., O.L.S.		
P1	Plan 43R-2813		
P2	Plan 43R-37616		
P3	Expropriation plan PR820342		
P4	Plan of Survey by Vladimir Dosen Surveying, O.L.S., dated November 6, 2017		
P5	Plan of Survey by J. H. Gelbloom Surveying Ltd., O.L.S., dated August 30, 2019		
P6	Plan 43R-22995		
P7	Expropriation plan PR820339		
PWF	Post & Wire Fence		
CLF	Chain Link Fence		
SCP	Specified Control Point		

SCHEDULE

PART	PART OF LOT	CONCESSION	ALL OF PIN
1	18	2 EAST OF HURONTARIO STREET	14235-5842
2			
3			
4			

PART 2 IS SUBJECT TO AN EASEMENT IN GROSS AS IN INST. No. PR3149342
PARTS 3 & 4 ARE SUBJECT TO AN EASEMENT IN GROSS AS IN INST. No. RO174783
PART 4 IS SUBJECT TO AN EASEMENT AS IN INST. No. CH27572

I require this plan to be deposited under the Land Titles Act.

date _____

Andrew Musil O.L.S.
Ontario Land Surveyor

PLAN 43R-
Received and Deposited

date _____

Representative for Land Registrar for the Land Titles Division of Peel (No. 43)

METRIC: Distances and Coordinates shown on this plan are in metres and can be converted to feet by dividing by 0.3048.

PLAN OF SURVEY OF

PART OF LOT 18, CONCESSION 2, EAST OF HURONTARIO STREET

(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY, COUNTY OF PEEL)

TOWN OF CALEDON

REGIONAL MUNICIPALITY OF PEEL

10 0 10 20 30 40 50 60 70 80 metres

SCALE 1 : 1000

J.H. Gelbloom Surveying Limited
Ontario Land Surveyor
2020

PART 1

PIN 14235 - 5842

LOT 18, CONCESSION 2, EAST OF HURONTARIO STREET

PART 2
PART 2, PLAN 43R-37616
SUBJECT TO AN EASEMENT IN GROSS AS IN INST. No. PR3149342

PART 3
PART 1, PLAN 43R-22995
SUBJECT TO AN EASEMENT IN GROSS AS IN INST. No. RO174783

PART 4
PART 3, PLAN 43R-22995
SUBJECT TO AN EASEMENT AS IN INST. No. CH27572 AND SUBJECT TO AN EASEMENT IN GROSS AS IN INST. No. RO174783

PART 5
PART 4, EXP. PLAN PR820342
SUBJECT TO AN EASEMENT IN GROSS AS IN INST. No. RO174783

PART 6
PART 6, EXP. PLAN PR820339

(KNOWN AS) MAYFIELD ROAD
(ROAD ALLOWANCE BETWEEN LOTS 17 & 18, CONCESSION 2, EAST OF HURONTARIO STREET)
NAMED BY BY-LAW 172-84 INST. No. RO688273

(KNOWN AS) HEART LAKE ROAD
(ROAD ALLOWANCE BETWEEN CONCESSION 2 & 3, EAST OF HURONTARIO STREET)
PIN 14235-0713

ORIGINAL ROAD ALLOWANCE BETWEEN LOTS 17 & 18, CONCESSION 2, EAST OF HURONTARIO STREET

PART 7
PART 7, EXP. PLAN PR820342
PIN 14235-1659

PART 8
PART 8, EXP. PLAN PR820342
PIN 14235-1659

PART 1, PLAN 43R-2697

ROAD WIDENING BY PLAN 27068
MOST EASTERLY ANGLE OF LOT 18, CONCESSION 2, EAST OF HURONTARIO STREET

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 28th day of August, 2019.

Date

Andrew Musil, O.L.S.

J. H. Gelbloom Surveying Limited
Ontario Land Surveyor
476 Morden Road, Unit 102, Oakville, Ont, L6K 3W4
office@jhgsurveying.ca
Phone:(905) 338-8210 Fax:(905) 338-9446

Party Chief:	Project:
J.W.	18-225
Drawn By: G.S.	Checked By: A.M.

APPENDIX

B ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Parcel 6 - 12414 Kennedy Road* *Parcel 6 - 12414 Kennedy Road* *Brampton ON L6V 4G3*
Project No:	
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21030500101*
Requested by:	*WSP Canada Inc.*
Date Completed:	*March 22, 2021*

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

Table of Contents

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Executive Summary

Property Information:

Project Property: *Parcel 6 - 12414 Kennedy Road*
Parcel 6 - 12414 Kennedy Road Brampton ON L6V 4G3

Project No:

Order Information:

Order No: *21030500101*
Date Requested: *March 5, 2021*
Requested by: *WSP Canada Inc.*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

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	2	2
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	1
CA	Certificates of Approval	Y	0	2	2
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	4	6
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	2	2
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	2	2

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	2	2
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
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	1	1
WWIS	Water Well Information System	Y	0	23	23
	Total:		2	45	47

Executive Summary: Site Report Summary - Project Property

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
EHS	1		Heart Lake Road Caledon ON	WNW/0.0	6.82	17
EHS	2		Heart Lake Rd. and Mayfield Rd. Brampton ON	E/0.0	0.03	17

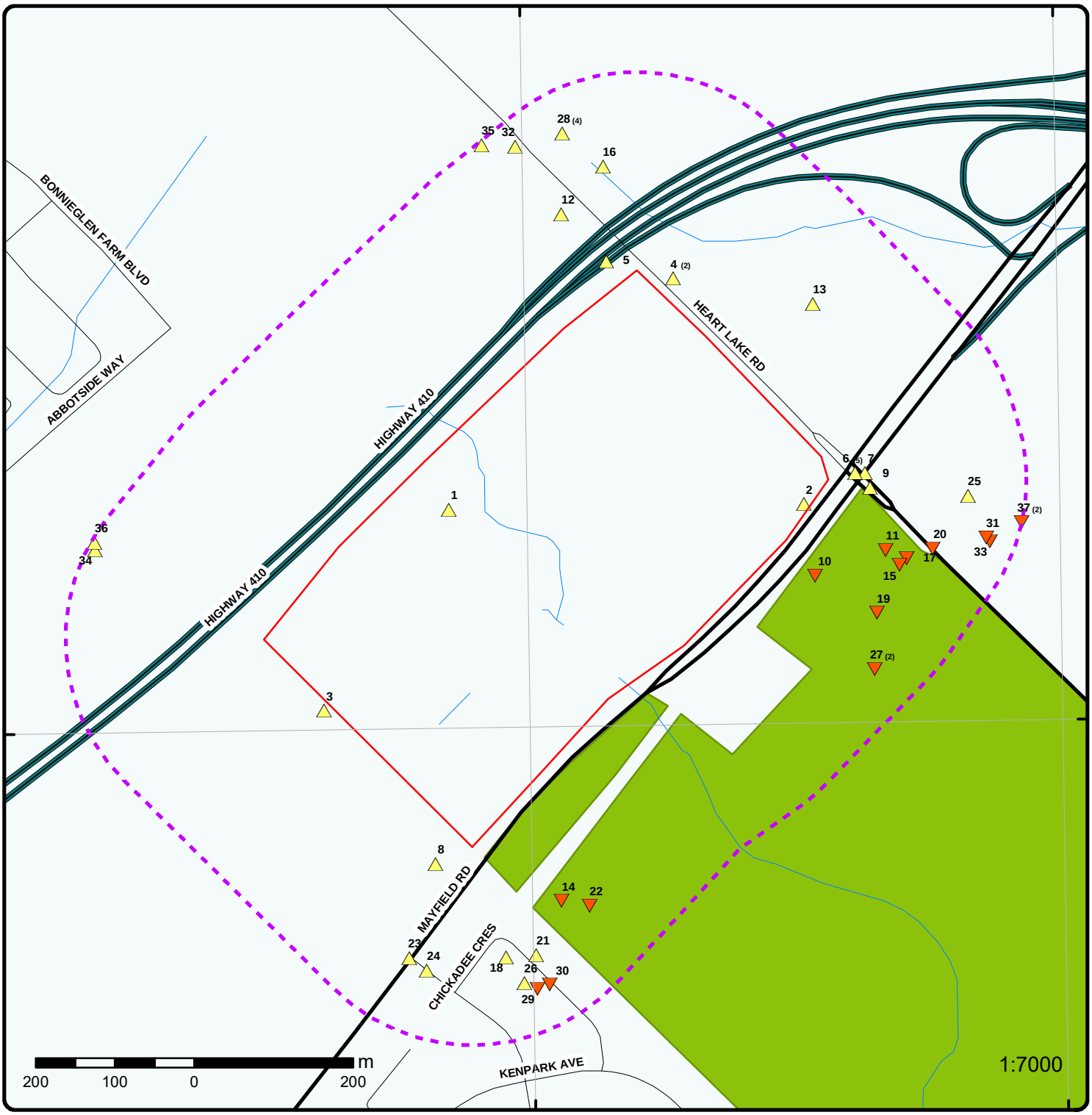
Executive Summary: Site Report Summary - Surrounding Properties

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
ANDR	22	Heart Lk Dump (alt)	Brampton ON L6Z 3L	S/158.7	-4.06	14
ANDR	30	Heart Lk Dump (official)	Brampton ON L6Z	S/199.5	-1.00	14
BORE	5		ON	NNE/32.3	6.34	15
CA	6	The Regional Municipality of Peel	Mayfield Road at Heart Lake Rd Brampton ON	E/35.1	0.86	16
CA	23	R.M. OF PEEL	MAYFIELD RD/STONEGATE DR. BRAMPTON ON	SSW/160.7	4.85	16
ECA	6	The Regional Municipality of Peel	Mayfield Road at Heart Lake Rd Brampton ON L6T 3Y3	E/35.1	0.86	17
ECA	9	The Regional Municipality of Peel	Heart Lake Rd (Southwest Intersection of Heart Lake Road and Mayfield Road) Brampton ON L6Y 4B9	E/54.0	0.08	17
EHS	8		3728 Mayfield Road Caledon ON	SSW/47.7	5.72	18
EHS	13		Heart Lake Gardens Inc. Canada ON	NE/126.1	1.55	18
EHS	34		Part Lot 18, Con 2 EHS and Part Block 202 of Plan 43M1800 / Part 2 Plan 43R37497 Caledon ON L0J	W/240.6	3.25	18
EHS	36		Abbotsford Road Caledon ON	W/245.5	3.32	18
GEN	17	Toronto & Region Conservation Authority	11900 Heart Lake Road Brampton ON M5M 2N3	E/137.8	-1.91	18

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
GEN	28	GORE LANDSCAPING ENTERPRISES LTD.	12179 HEART LAKE ROAD BRAMPTON ON L6T 3S1	N/196.9	6.93	19
HINC	6		SOUTHWEST CORNER OF MAYFIELD ROAD & HEART LAKE ROAD BRAMPTON ON	E/35.1	0.86	19
HINC	35		12210 HEART LAKE ROAD CALEDON ON L7C 2J2	NNW/245.1	9.91	19
PES	28	GORE LANDSCAPING ENTERPRISE LIMITED	RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1	N/196.9	6.93	20
PES	28	GORE LANDSCAPING ENTERPRISE LIMITED	RR 4, 12179 HEARTLAKE RD BRAMPTON ON L6T3S1	N/196.9	6.93	20
PINC	37	PIPELINE HIT - 1"	11801 HEART LAKE ROAD,,BRAMPTON, ON,L6Z 0B5,CA ON	E/249.7	-1.25	21
SPL	6	TRANSPORT TRUCK	MAYFIELD RD/ HEART LAKE RD. MOTOR VEHICLE (OPERATING FLUID) BRAMPTON CITY ON	E/35.1	0.86	21
SPL	6		Corner of Mayfield & Heat Lake Rd Brampton ON	E/35.1	0.86	22
SPL	37	Enbridge Gas Distribution Inc.	11801 Heart Lake Road Brampton ON L6Z 0B5	E/249.7	-1.25	22
WDSH	29		17 MID-N 2 EHS BRAMPTON ON	S/197.2	-0.36	23
WWIS	3		lot 18 con 2 ON ***Well ID:*** 4909283	WSW/9.9	2.41	23
WWIS	4		lot 18 con 3 ON ***Well ID:*** 4906991	NNE/24.5	5.95	24

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
WWIS	4		lot 18 con 3 ON ***Well ID:*** 4907074	NNE/24.5	5.95	27
WWIS	7		MAYFIELD/HEART LAKE RD. CALEDON ON ***Well ID:*** 7209474	E/47.4	0.85	31
WWIS	10		SW CORNER MAYFIELD RD./HEART LAKE ROAD BRAMPTON ON ***Well ID:*** 7101931	E/57.3	-2.18	34
WWIS	11		ON ***Well ID:*** 7053188	E/110.3	-1.02	36
WWIS	12		HEART LAKE RD. lot 18 con 2 Brampton ON ***Well ID:*** 7212525	N/114.8	6.87	38
WWIS	14		lot 17 con 2 ON ***Well ID:*** 4901222	S/128.9	-3.25	43
WWIS	15		lot 17 con 2 ON ***Well ID:*** 4901221	E/135.5	-1.92	45
WWIS	16		lot 18 con 3 ON ***Well ID:*** 4901344	NNE/137.7	5.95	48
WWIS	18		lot 17 con 2 ON ***Well ID:*** 4901236	S/145.5	2.39	50
WWIS	19		11900 HEARTLAKE Brampton ON ***Well ID:*** 7116987	E/146.7	-3.52	54
WWIS	20		lot 17 con 2 ON ***Well ID:*** 4908624	E/157.6	-1.00	58
WWIS	21		lot 17 con 2 ON ***Well ID:*** 4901235	S/158.2	0.20	62
WWIS	24		lot 17 con 2 ON ***Well ID:*** 4901228	SSW/165.3	4.94	66

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
WWIS	25		lot 17 con 3 ON ***Well ID:*** 4904742	E/177.1	0.68	70
WWIS	26		lot 17 con 2 ON ***Well ID:*** 4901234	S/183.2	1.09	73
WWIS	27		ON ***Well ID:*** 7232432	ESE/193.2	-6.28	76
WWIS	27		Brampton ON ***Well ID:*** 7317249	ESE/193.2	-6.28	77
WWIS	28		12179 HEARTLAKE RD lot 19 con 3 ON ***Well ID:*** 7183229	N/196.9	6.93	79
WWIS	31		lot 17 con 3 ON ***Well ID:*** 4901339	E/211.9	-2.45	81
WWIS	32		lot 19 con 2 ON ***Well ID:*** 4901240	N/217.7	8.59	85
WWIS	33		lot 17 con 3 ON ***Well ID:*** 4901338	E/218.3	-3.38	88



Map: 0.25 Kilometer Radius

Order Number: 21030500101

Address: Parcel 6 - 12414 Kennedy Road, Brampton, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

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79°48'W

43°45'N

43°45'N

Aerial **Year: 2018**

Order Number: 21030500101

Address: Parcel 6 - 12414 Kennedy Road, Brampton, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES

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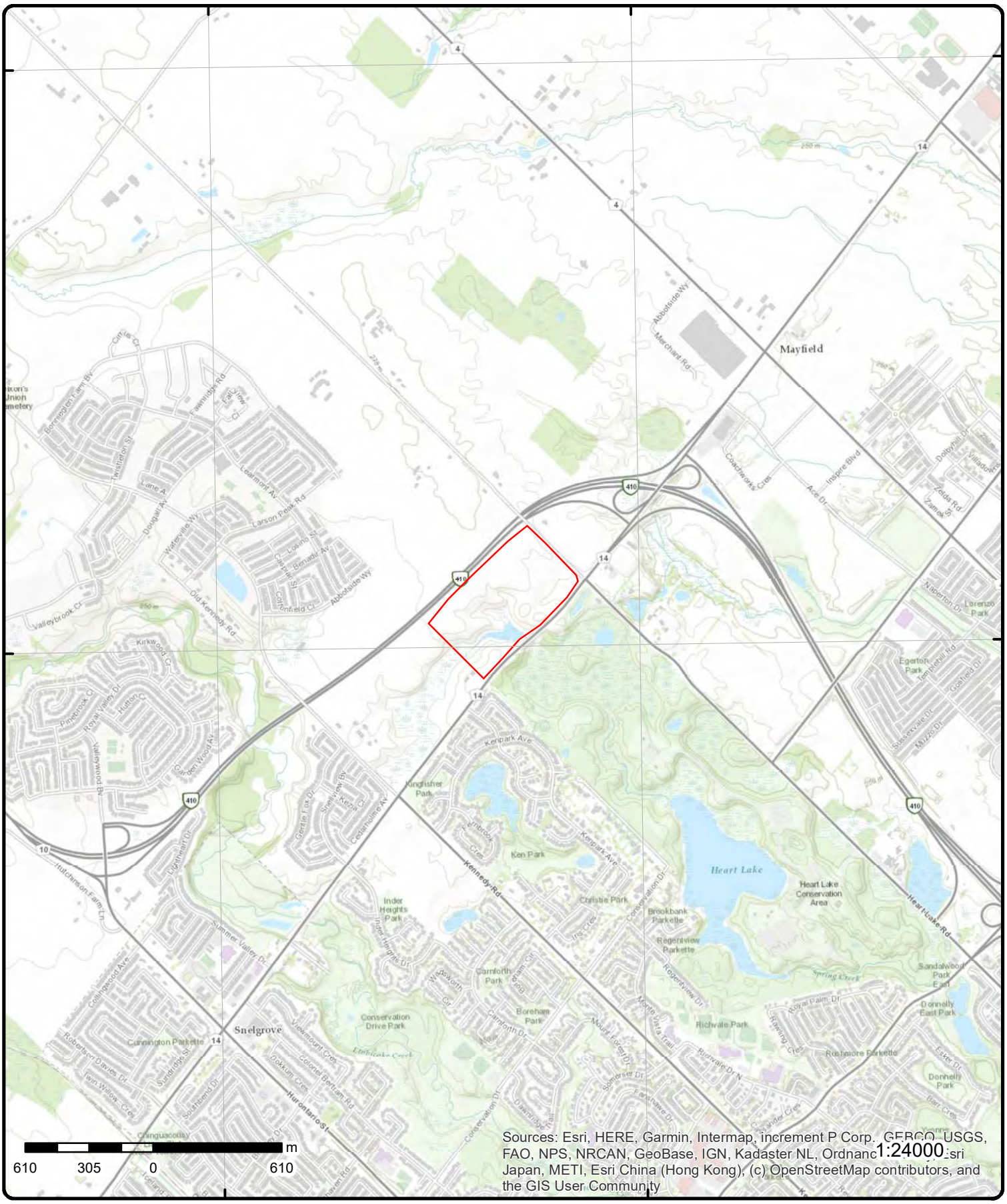

Topographic Map

Address: Parcel 6 - 12414 Kennedy Road, ON

Source: ESRI World Topographic Map

Order Number: 21030500101

ENVIRONMENTAL RISK INFORMATION SERVICES

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Detail Report

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
ANDR	22	1 of 1	S/158.7	259.9 / -4.06	Heart Lk Dump (alt) Brampton ON L6Z 3L

Legal Description: Chinguacousy Con 2 EHS Lot 17 mid-n
Location Description: rear of Chickadee Cres, SE of cor. of Kennedy Rd & Mayfield Rd, nr tribs. to Etobicoke Ck
Municipality: Chinguacousy Township
Current Municipality: Brampton City
RM: Peel Region
Facility: Dump
Date Active: 1960s-early 1970s
Date Begun:
Date Complete:
Area (Ha):
Landfill Type:
Group Name: Etobicoke Creek
Operated By: Livingston Sand & Gravel
Serial: MOEE 7029 (alt)
NTS: 30M12
Diameter (m):

Historical Summary:

Heart Lake Landfill (alt) This file was created to represent a suspected alternate position for an MOEE dumpsite. The MOEE lists a closed waste disposal site (serial MOEE 7029) at UTM NAD27 595950--4844250, with description Chinguacousy Con 2 EHS Lot 17 mid-n (Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093: 115). A more plausible location has a centroid 119m away @UTM NAD27 596000--4844350. This file, designated ON MOEE 7029 (alt), was therefore created for this alternate position. 1951 NTS Map 30M12 There are no indications of dumping at this location on this map. 1964 NTS Map 30M12 There are no indications of dumping at this location on this map. 1971 Air Photos The MOEE datapoint plots out in a location without on-site active or recent ground disturbance, however, active ground disturbance, consistent with active dumping is found 119m away @UTM NAD27 596000--4844350 (YUML: 1971 Air Photos, FL 4331 Roll 50 Frame #15). 1979 NTS Map 30M12 The MOEE 7029 datapoint plots out in open space. No dump is marked. Where the MOEE 7029 (alt) datapoint plots out is a small corner which for some reason has not been included in the lands of Heart Lake Conservation Area. 1985 NTS Map 30M12 No dump is marked where MOEE 7029 datapoint plots out. But where the MOEE 7029 (alt) data point plots has now been included within Heart Lake Conservation Area. 1994 NTS Map 30M12 Built-up subdivision is adjacent to the datapoint for MOEE 7029 (alt). 1996 MapArt The MOEE 7029 datapoint apparently plots out east of Snelgrove, southeast of the corner of Kennedy Rd and Mayfield Rd, near tributaries to Etobicoke Creek. The MOEE 7029 (alt) datapoint plots out to be opposite the rear of the houses on Chickadee Crescent ([1996] MapArt Corporation, Golden Horseshoe Atlas, 1996 Edition, ISBN 1-55198-384-2). Working conclusion: There is fairly strong evidence, reviewed here, that dumping occurred with centroid @UTM NAD27 596000--4844350 in the later 1960s and early 1970s. By 1980, however, the site had been incorporated within Heart Lake Conservation Area. It is distinclty possible that the site may be the actual position for the MOEE site (serial MOEE 7029) listed at @UTM NAD27 595950--4844250.

Waste Type:
UTM X Nad 27: 596000
UTM Y Nad 27: 4844350
UTM Zone: 17

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
ANDR	30	1 of 1	S/199.5	262.9 / -1.00	Heart Lk Dump (official) Brampton ON L6Z

Legal Description: Chinguacousy Con 2 EHS Lot 17 mid-n
Location Description: E of Snelgrove, SE cor Kennedy Rd & Mayfield Rd, nr Etobicoke Ck tribs.
Municipality: Chinguacousy Township
Current Municipality: Brampton City
RM: Peel Region
Facility: Dump
Date Active: 1940s-50s

Date Begun:
Date Complete: 1950
Area (Ha):
Landfill Type:
Group Name: Etobicoke Creek
Operated By: Livingston Sand & Gravel
Serial: MOEE 7029
NTS: 30M12
Diameter (m):

Historical Summary:

Heart Lake Landfill (official) MOEE 1994 The MOEE lists a closed waste disposal site (serial MOEE 7029) at this location @ UTM NAD27 595950--4844250, with description Brampton Con 2 EHS Lot 17 mid-n (Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093: 115). Datapoint plots to Chinguacousy Con 2 EHS Lot 17 mid-n. 1951 NTS Map 30M12 There are no indications of dumping at this location on this map. 1964 NTS Map 30M12 There are no indications of dumping at this location on this map. 1971 Air Photos The MOEE datapoint plots out in a location without on-site active or recent ground disturbance, however, active ground disturbance, consistent with active dumping is found 119m away @UTM NAD27 596000--4844350 (YUML: 1971 Air Photos, FL 4331 Roll 50 Frame #15) 1979 NTS Map 30M12 The MOEE datapoint plots out in open space. No dump is marked. 1985 NTS Map 30M12 No dump is marked where MOEE datapoint plots out. 1994 NTS Map 30M12 Built-up subdivision occupies the datapoint position for MOEE 7029. 1996 MapArt The MOEE datapoint apparently plots out east of Snelgrove, southeast of the corner of Kennedy Rd and Mayfield Rd, near tributaries to Etobicoke Creek ([1996] MapArt Corporation, Golden Horseshoe Atlas, 1996 Edition, ISBN 1-55198-384-2). Working conclusion: The MOEE has listed a closed waste disposal site at @UTM NAD27 595950--4844250. However, the evidence reviewed here suggests that the MOEE may have mislocated their site. A more plausible location has centroid 119m away @UTM NAD27 596000--4844350. A file, designated ON MOEE 7029 (alt), has been created for this alternate position. Heart Lake Landfill (suspected position) THis file was created to represent a suspected alternate position for an MOEE dumpsite. The MOEE lists a closed waste disposal site (serial MOEE 7029) at this location @ UTM NAD27 595950--4844250, with description Chinguacousy Con 2 EHS Lot 17 mid-n (Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093: 115). A more plausible location has centroid 119m away @UTM NAD27 596000--4844350. This file, designated ON MOEE 7029 (alt), was therefore created for this alternate position.

Waste Type:
UTM X Nad 27: 595950
UTM Y Nad 27: 4844250
UTM Zone: 17

BORE 5 | ***1 of 1*** | ***NNE/32.3*** | ***270.3 / 6.34*** | ***ON***

Borehole ID:	590665	**Inclin FLG:**	No
OGF ID:	215501260	**SP Status:**	Initial Entry
Status:	Unknown	**Surv Elev:**	No
Type:	Outcrop	**Piezometer:**	No
Use:		**Primary Name:**	OGS-OLW-62-1415
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	43.755268
Total Depth m:	1.6	**Longitude DD:**	-79.807078
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	596034
Drill Method:		**Northing:**	4845383
Orig Ground Elev m:	270	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	269		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218339252	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	

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

Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: Di si sa **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Ontario Geological Survey
Source Date: Varies to 2004
Confidence: H
Observatio:
Source Name: Ontario Geological Survey Fieldwork Mapping
Source Details: YPDT Master Database A: 672282363
Confiden 1: Location taken from OGS 1:50,000 maps by CAMC staff or consultants.

Source Appl: Spatial/Tabular
Source Iden: 6
Scale or Res: 1:50,000
Horizontal: NAD83
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 6
Source Type: Data Survey
Source Date: Varies to 2004
Scale or Resolution: 1:50,000
Source Name: Ontario Geological Survey Fieldwork Mapping
Source Originators: Ontario Geological Survey

Horizontal Datum: NAD83
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transvers Mercator

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
CA	6	3 of 5	E/35.1	264.8 / 0.86	The Regional Municipality of Peel Mayfield Road at Heart Lake Rd Brampton ON

Certificate #: 8700-7DZQK2
Application Year: 2008
Issue Date: 6/6/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
CA	23	1 of 1	SSW/160.7	268.8 / 4.85	R.M. OF PEEL MAYFIELD RD/STONEGATE DR. BRAMPTON ON

Certificate #: 7-0704-98-
Application Year: 98
Issue Date: 7/23/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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

ECA	6	5 of 5	E/35.1	264.8 / 0.86	The Regional Municipality of Peel Mayfield Road at Heart Lake Rd Brampton ON L6T 3Y3

Approval No: 8700-7DZQK2
Approval Date: 2008-06-06
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Grand River
MOE District: Guelph
City:
Longitude: -80.658
Latitude: 43.6439
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Road at Heart Lake Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2268-7C2LEU-14.pdf

ECA	9	1 of 1	E/54.0	264.0 / 0.08	The Regional Municipality of Peel Heart Lake Rd (Southwest Intersection of Heart Lake Road and Mayfield Road) Brampton ON L6Y 4B9

Approval No: 6476-APNP4U
Approval Date: 2017-08-25
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Heart Lake Rd (Southwest Intersection of Heart Lake Road and Mayfield Road)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2498-AP7J9Y-14.pdf

EHS	1	1 of 1	WNW/0.0	270.7 / 6.82	Heart Lake Road Caledon ON

Order No: 20080723007
Status: C
Report Type: Custom Report
Report Date: 7/24/2008
Date Received: 7/23/2008
Previous Site Name:
Lot/Building Size: approx. 100 acres
Nearest Intersection: Heart Lake Road and Mayfield Road
Municipality: Caledon
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.809605
Y: 43.752484
Additional Info Ordered: Fire Insur. Maps And /or Site Plans; City Directory; Topographical Maps

EHS	2	1 of 1	E/0.0	263.9 / 0.03	Heart Lake Rd. and Mayfield Rd. Brampton ON

Order No: 20070510017
Status: C
Report Type: CAN - Custom Report
Report Date: 5/22/2007
Date Received: 5/10/2007
Previous Site Name:
Lot/Building Size: approx. 100 m x 300 m
Nearest Intersection: SW Corner Heart Lake & Mayfield Rds.
Municipality: Peel
Client Prov/State:
Search Radius (km): 0.25
X: -79.804047
Y: 43.752484

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

Additional Info Ordered: Fire Insur. Maps And /or Site Plans; Title Search

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EHS | **8** | **1 of 1** | **SSW/47.7** | **269.6 / 5.72** | **3728 Mayfield Road Caledon ON**

Order No:	20171026076	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	27-OCT-17	**Search Radius (km):**	.25
Date Received:	26-OCT-17	**X:**	-79.809888
Previous Site Name:		**Y:**	43.74846
Lot/Building Size:			
Additional Info Ordered:			

EHS | **13** | **1 of 1** | **NE/126.1** | **265.5 / 1.55** | **Heart Lake Gardens Inc. Canada ON**

Order No:	20180906025	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	12-SEP-18	**Search Radius (km):**	.25
Date Received:	06-SEP-18	**X:**	-79.803856
Previous Site Name:		**Y:**	43.754757
Lot/Building Size:			
Additional Info Ordered:			

EHS | **34** | **1 of 1** | **W/240.6** | **267.2 / 3.25** | **Part Lot 18, Con 2 EHS and Part Block 202 of Plan 43M1800 / Part 2 Plan 43R37497 Caledon ON L0J**

Order No:	20282400037	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	27-AUG-20	**Search Radius (km):**	.25
Date Received:	24-AUG-20	**X:**	-79.81514762
Previous Site Name:		**Y:**	43.75207853
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Aerial Photos		

EHS | **36** | **1 of 1** | **W/245.5** | **267.2 / 3.32** | **Abbotsford Road Caledon ON**

Order No:	20170424029	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	28-APR-17	**Search Radius (km):**	.25
Date Received:	24-APR-17	**X:**	-79.815152
Previous Site Name:		**Y:**	43.752161
Lot/Building Size:			
Additional Info Ordered:	City Directory; Aerial Photos		

GEN | **17** | **1 of 1** | **E/137.8** | **262.0 / -1.91** | **Toronto & Region Conservation Authority 11900 Heart Lake Road Brampton ON M5M 2N3**

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

Generator No:	ON8083380	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Dec 2018	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
GEN	28	2 of 4	N/196.9	270.8 / 6.93	GORE LANDSCAPING ENTERPRISES LTD. 12179 HEART LAKE ROAD BRAMPTON ON L6T 3S1

Generator No:	ON1918100	**PO Box No:**	
Status:		**Country:**	
Approval Years:	94,95,96,97,98,99,00,01	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	0163		
SIC Description:	NURSERY PRODUCTS		

Detail(s)

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

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
HINC	6	4 of 5	E/35.1	264.8 / 0.86	SOUTHWEST CORNER OF MAYFIELD ROAD & HEART LAKE ROAD BRAMPTON ON

External File Num:	FS INC 0801-00428
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	1/11/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	FCM Construction
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Peel
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
HINC	35	1 of 1	NNW/245.1	273.8 / 9.91	12210 HEART LAKE ROAD CALEDON ON L7C 2J2

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

External File Num:	FS INC 0711-06935
Fuel Occurrence Type:	Vapour Release
Date of Occurrence:	11/18/2007
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - No Action Required
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Peel
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
PES	28	1 of 4	N/196.9	270.8 / 6.93	**GORE LANDSCAPING ENTERPRISE LIMITED** **RR 4, 12179 HEARTLAKE RD** **BRAMPTON ON L6T3S1**

Detail Licence No:	02-01-00185-0	**Operator Box:**	
Licence No:	00185	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	905
Licence Type:	Operator	**Oper Phone No:**	8431149
Licence Type Code:	02	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:	0	**Oper Concession:**	
Latitude:		**Operator Region:**	3
Longitude:		**Operator District:**	
Lot:		**Operator County:**	49
Concession:		**Op Municipality:**	
Region:	3	**Post Office Box:**	
District:		**MOE District:**	
County:	49	**SWP Area Name:**	
Trade Name:			
PDF Link:			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
PES	28	4 of 4	N/196.9	270.8 / 6.93	**GORE LANDSCAPING ENTERPRISE LIMITED** **RR 4, 12179 HEARTLAKE RD** **BRAMPTON ON L6T3S1**

Detail Licence No:		**Operator Box:**	
Licence No:	00185	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	905
Licence Type:	Operator	**Oper Phone No:**	8431149
Licence Type Code:	01	**Operator Ext:**	
Licence Class:	06	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	
Lot:		**Operator County:**	

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

Concession: **Op Municipality:**
Region: **Post Office Box:**
District: **MOE District:**
County: **SWP Area Name:**
Trade Name:
PDF Link:

PINC 37 | 1 of 2 | E/249.7 | 262.7 / -1.25 | **PIPELINE HIT - 1" 11801 HEART LAKE ROAD,, BRAMPTON,ON,L6Z 0B5,CA ON**

Incident ID:
Incident No: 1941132
Incident Reported Dt: 9/14/2016
Type: FS-Pipeline Incident
Status Code:
Customer Acct Name: PIPELINE HIT - 1"
Incident Address: 11801 HEART LAKE ROAD,,BRAMPTON,ON, L6Z 0B5,CA
Tank Status: Pipeline Damage Reason Est
Task No: 6323213
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt: 2016/09/14
Operation Type:
Pipeline Type:
Regulator Type:
Summary: 11801 HEART LAKE ROAD, BRAMPTON - PIPELINE HIT - 1"
Reported By: Blake Frost - ENBRIDGE
Affiliation:
Occurrence Desc:
Damage Reason: No notification made to the one call center
Notes:

Fuel Category: Natural Gas
Health Impact:
Environment Impact:
Property Damage: No
Service Interupt:
Enforce Policy: No
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category: FS-Perform P-line Inc Invest
Regulator Location:
Method Details: E-mail

SPL 6 | 1 of 5 | E/35.1 | 264.8 / 0.86 | **TRANSPORT TRUCK MAYFIELD RD/ HEART LAKE RD. MOTOR VEHICLE (OPERATING FLUID) BRAMPTON CITY ON**

Ref No: 81000
Site No:
Incident Dt: 1/18/1993
Year:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/18/1993
Dt Document Closed:
Incident Reason: ERROR

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 21101
Site Lot:
Site Conc:
Northing:
Easting: OPP. FD, WORKS. R.M. PEEL.
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: PRIVATE OWNER - APPROX 450L DIESEL LEAK FROM OVERTURNED TRUCK, MVA.
Contaminant Qty:

SPL 6 **2 of 5** **E/35.1** **264.8 / 0.86** **Corner of Mayfield & Heat Lake Rd Brampton ON**

Ref No: 4220-7CVSUE
Site No:
Incident Dt:
Year:
Incident Cause: Other Discharges
Incident Event:
Contaminant Code: 46
Contaminant Name: DIRTY WATER (SUSPENDED SOLIDS/SAND)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: Other Impact(s); Surface Water Pollution
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/19/2008
Dt Document Closed:
Incident Reason: Ice/Snow/Rain
Site Name: Construction Site<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Construction site: silt runoff to Heart Lake PSW
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Halton-Peel
Site Postal Code:
Site Region:
Site Municipality: Brampton
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Watercourse Spills
Source Type:

SPL 37 **2 of 2** **E/249.7** **262.7 / -1.25** **Enbridge Gas Distribution Inc. 11801 Heart Lake Road Brampton ON L6Z 0B5**

Ref No: 7847-ADRP67
Site No: NA
Incident Dt: 9/13/2016
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Air
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/13/2016
Dt Document Closed:
Incident Reason: Operator/Human Error
Site Name: residential site <UNOFFICIAL>
Site County/District:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Communal
Agency Involved:
Nearest Watercourse:
Site Address: 11801 Heart Lake Road
Site District Office:
Site Postal Code: L6Z 0B5
Site Region:
Site Municipality: Brampton
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Source Type:

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

Site Geo Ref Meth:
Incident Summary: TSSA - Enbridge, 1" plastic line damaged, made safe
Contaminant Qty: 0 other - see incident description

WDSH 29 | 1 of 1 | S/197.2 | 263.6 / -0.36 | 17 MID-N 2 EHS BRAMPTON ON

Site No.: X7029
Region: CENTRAL
County: PEEL
Concession: 2 EHS
Lot: 17 MID-N
Easting: 595950
Northing: 4844250
Zone: 17
Date Closed: 1950
Status: CLOSED
Classification: A5 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE - CLOSED 10-20 YRS
%CommericialWste: n/a
%DomesticWste Rec: n/a
%LiquidWste Rec: n/a
%HazardousWste Rec: n/a
%Non-haz.Wste Rec: n/a
%Sewage/Sludge Rec: n/a
%Other Wste Rec: n/a

WWIS 3 | 1 of 1 | WSW/9.9 | 266.3 / 2.41 | lot 18 con 2 ON

Well ID:	4909283	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	11/10/2003
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	
Water Type:		**Contractor:**	3108
Casing Material:		**Form Version:**	2
Audit No:	262185	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4909283.pdf

Bore Hole Information

Bore Hole ID:	11099304	**Elevation:**	265.001068
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	_	**East83:**	595677.9
Code OB Desc:	No formation data	**North83:**	4844817
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	9/30/2003	**UTMRC Desc:**	unknown UTM

Remarks: ***Location Method:*** lot
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID: 964909283
Method Construction Code: A
Method Construction: Digging
Other Method Construction:

Pipe Information

Pipe ID: 11103019
Casing No: 1
Comment:
Alt Name:

WWIS 4 ***1 of 2*** ***NNE/24.5*** ***269.9 / 5.95*** ***lot 18 con 3 ON***

Well ID: 4906991
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 35163
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/28/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 4919
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 018
Concession: 03
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4906991.pdf

Bore Hole Information

Bore Hole ID: 10321552
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 11/10/1988
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 268.534484
Elevrc:
Zone: 17
East83: 596118
North83: 4845362
Org CS:
UTMRC: 2
UTMRC Desc: margin of error : 3 - 10 m
Location Method: gps

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932056191
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056190
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056189
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056188
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02

Most Common Material:	TOPSOIL
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964906991
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10870122
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930530576
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994906991
Pump Set At:	
Static Level:	60
Final Level After Pumping:	80
Recommended Pump Depth:	80
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934530457
Test Type:	Recovery
Test Duration:	30
Test Level:	78
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934784538
Test Type:	Recovery
Test Duration:	45
Test Level:	76
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935050032
Test Type:	Recovery
Test Duration:	60
Test Level:	75
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934255900
Test Type:	Recovery
Test Duration:	15
Test Level:	79
Test Level UOM:	ft

Water Details

Water ID:	933795034
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	60
Water Found Depth UOM:	ft

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
WWIS	***4***	***2 of 2***	***NNE/24.5***	***269.9 / 5.95***	***lot 18 con 3 ON***

Well ID:	4907074	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/13/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4005
Casing Material:		***Form Version:***	1
Audit No:	42474	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4907074.pdf

Bore Hole Information

Bore Hole ID:	10321635	***Elevation:***	268.534484

DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	596118
Code OB Desc:	Overburden	***North83:***	4845362
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	2
Date Completed:	3/1/1989	***UTMRC Desc:***	margin of error : 3 - 10 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932056627
Layer:	7
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	181
Formation End Depth:	199
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056626
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	29
Mat2 Desc:	FINE GRAVEL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	180
Formation End Depth:	181
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056621
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	10

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056622
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 10
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056628
Layer: 8
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 199
Formation End Depth: 200
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056625
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 135
Formation End Depth: 180
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932056623
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 79

Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932056624
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	80
Formation End Depth:	135
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964907074
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10870205
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930530699
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	200
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994907074
Pump Set At:	
Static Level:	65
Final Level After Pumping:	160
Recommended Pump Depth:	180
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	8
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934784582
Test Type:	Draw Down
Test Duration:	45
Test Level:	160
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934255953
Test Type:	Draw Down
Test Duration:	15
Test Level:	160
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935050076
Test Type:	Draw Down
Test Duration:	60
Test Level:	160
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934530504
Test Type:	Draw Down
Test Duration:	30
Test Level:	160
Test Level UOM:	ft

Water Details

Water ID:	933795120
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	200
Water Found Depth UOM:	ft

WWIS ***7*** ***1 of 1*** ***E/47.4*** ***264.8 / 0.85*** ***MAYFIELD/HEART LAKE RD. CALEDON ON***

Well ID:	7209474	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	10/15/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7201
Casing Material:		***Form Version:***	7
Audit No:	Z167937	***Owner:***	
Tag:	A088481	***Street Name:***	MAYFIELD/HEART LAKE RD.
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY (CHINGUACOUSY)

Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7209474.pdf

Bore Hole Information

Bore Hole ID:	1004603550	***Elevation:***	262.567504
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	596360
Code OB Desc:		***North83:***	4845117
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	9/27/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004629046
Layer:	4
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004629043
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 1004629044
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 5
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004629045
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 16
Formation End Depth: 20
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004629056
Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004629055
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1004629042
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004629049
Layer: 1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004629052
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	20
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1004629048
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004629047
Diameter:	8.25
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

WWIS **10** ***1 of 1*** ***E/57.3*** ***261.7 / -2.18*** ***SW CORNER MAYFIELD RD. /HEART LAKE ROAD BRAMPTON ON***

Well ID:	7101931	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	2/8/2008
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7238
Casing Material:		**Form Version:**	4
Audit No:	Z75197	**Owner:**	
Tag:		**Street Name:**	SW CORNER MAYFIELD RD./HEART LAKE ROAD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	BRAMPTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7101931.pdf

Bore Hole Information

Bore Hole ID:	1001497678	**Elevation:**	262.836761
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	596297
Code OB Desc:		**North83:**	4844987
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	1/23/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001558331
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001558332
Layer:	1
Plug From:	0
Plug To:	8.2
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001558335
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	AUGER

Pipe Information

Pipe ID:	1001558329
Casing No:	0
Comment:	
Alt Name:	

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

Construction Record - Screen

Screen ID:	1001558334
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1001558330
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	1001558333
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
WWIS	***11***	***1 of 1***	***E/110.3***	***262.9 / -1.02***	***ON***

Well ID:	7053188	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	12/5/2007
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7238
Casing Material:		***Form Version:***	3
Audit No:	Z72692	***Owner:***	
Tag:	A045333	***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7053188.pdf

Bore Hole Information

Bore Hole ID:	23053188	**Elevation:**	262.530639
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	596386
Code OB Desc:		**North83:**	4845019
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/5/2007	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	30253188
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	4
Formation End Depth:	14
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	30153188
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	44008004
Layer:	1
Plug From:	0
Plug To:	10.5
Plug Depth UOM:	m

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

Annular Space/Abandonment Sealing Record

Plug ID: 44008003
Layer: 2
Plug From: 10.5
Plug To: 14
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 25953188
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 29053188
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 42153188
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 11
Casing Diameter: 5.1
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 43153188
Layer: 1
Slot: 10
Screen Top Depth: 11
Screen End Depth: 14
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.4

Hole Diameter

Hole ID: 46006259
Diameter: 21
Depth From: 0
Depth To: 14
Hole Depth UOM: m
Hole Diameter UOM: cm

WWIS	***12***	***1 of 1***	***N/114.8***	***270.8 / 6.87***	***HEART LAKE RD. lot 18 con 2 Brampton ON***

Well ID: 7212525
Construction Date:
Data Entry Status:
Data Src:

Primary Water Use:	Monitoring	***Date Received:***	12/10/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7201
Casing Material:		***Form Version:***	7
Audit No:	Z174522	***Owner:***	
Tag:	A145470	***Street Name:***	HEART LAKE RD.
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004663361	***Elevation:***	269.553741
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	595977
Code OB Desc:		***North83:***	4845443
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	11/26/2013	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005017504
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	140
Formation End Depth:	172
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005017501
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06

Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 36.5
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017500
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 25
Formation End Depth: 36.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017502
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017503
Layer: 5
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 110
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005017499
Layer: 1
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017517
Layer: 5
Plug From: 149
Plug To: 165
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017513
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017516
Layer: 4
Plug From: 145
Plug To: 149
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017515
Layer: 3
Plug From: 20
Plug To: 145
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005017514
Layer: 2
Plug From: 2
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005017512
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction: BORING

Pipe Information

Pipe ID: 1005017498
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005017508
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 2
Depth To: -4
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1005017509
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: -4
Depth To: 155
Casing Diameter: 1.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005017510
Layer: 1
Slot: .01
Screen Top Depth: 155
Screen End Depth: 165
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.25

Water Details

Water ID: 1005017507
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005017505
Diameter: 10
Depth From: 0

Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1005017506
Diameter: 4.25
Depth From: 20
Depth To: 165
Hole Depth UOM: ft
Hole Diameter UOM: inch

WWIS **14** ***1 of 1*** ***S/128.9*** ***260.7 / -3.25*** ***lot 17 con 2 ON***

Well ID:	4901222	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	5/25/1959
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	2801
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901222.pdf

Bore Hole Information

Bore Hole ID:	10316068	***Elevation:***	264.324584
DP2BR:	96	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	595977.5
Code OB Desc:	Bedrock	***North83:***	4844577
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/4/1958	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932033303
Layer: 2
Color: 8

General Color: BLACK
Mat1: 03
Most Common Material: MUCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033302
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033306
Layer: 5
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 96
Formation End Depth: 97
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033304
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 6
Formation End Depth: 36
Formation End Depth UOM: ft

Overburden and Bedrock

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

Materials Interval

Formation ID:	932033305
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	36
Formation End Depth:	96
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901222
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10864638
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522582
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

WWIS **15** ***1 of 1*** ***E/135.5*** ***262.0 / -1.92*** ***lot 17 con 2 ON***

Well ID:	4901221	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/18/1953
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4623
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901221.pdf

Bore Hole Information

Bore Hole ID:	10316067	**Elevation:**	262.266387
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	596403.5
Code OB Desc:	Overburden	**North83:**	4845000
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	8/1/1953	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033298
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033300
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033299
Layer:	2

Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033301
Layer: 4
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 120
Formation End Depth: 127
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901221
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10864637
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522581
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 127
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994901221
Pump Set At:
Static Level: 45
Final Level After Pumping: 100
Recommended Pump Depth:

Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	48
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933789193
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	127
Water Found Depth UOM:	ft

WWIS **16** ***1 of 1*** ***NNE/137.7*** ***269.9 / 5.95*** ***lot 18 con 3 ON***

Well ID:	4901344	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/22/1964
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4813
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901344.pdf

Bore Hole Information

Bore Hole ID:	10316190	***Elevation:***	268.941314
DP2BR:	145	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	h	***East83:***	596029.5
Code OB Desc:	Mixed in a Layer	***North83:***	4845503
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/17/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932033887
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 145
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033888
Layer: 3
Color:
General Color:
Mat1: 06
Most Common Material: SILT
Mat2: 15
Mat2 Desc: LIMESTONE
Mat3:
Mat3 Desc:
Formation Top Depth: 145
Formation End Depth: 164
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033886
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901344
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10864760

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522717
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 160
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359127
Layer: 1
Slot:
Screen Top Depth: 160
Screen End Depth: 164
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 4

Results of Well Yield Testing

Pump Test ID: 994901344
Pump Set At:
Static Level: 110
Final Level After Pumping: 155
Recommended Pump Depth: 155
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933789283
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 145
Water Found Depth UOM: ft

WWIS	18	1 of 1	S/145.5	266.3 / 2.39	lot 17 con 2 ON

Well ID: 4901236
Construction Date:
Primary Water Use: Not Used
Sec. Water Use: 0
Data Entry Status:
Data Src: 1
Date Received: 12/22/1964
Selected Flag: Yes

Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	2801
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901236.pdf

Bore Hole Information

Bore Hole ID:	10316082	***Elevation:***	267.266876
DP2BR:	148	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	595907.5
Code OB Desc:	Bedrock	***North83:***	4844506
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/16/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033410
Layer:	5
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63
Formation End Depth:	85
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033415
Layer:	10
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 148
Formation End Depth: 160
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033411
Layer: 6
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 85
Formation End Depth: 127
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033408
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 26
Formation End Depth: 43
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033406
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033407
Layer: 2

Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 26
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033409
Layer: 4
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 06
Mat3 Desc: SILT
Formation Top Depth: 43
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033414
Layer: 9
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 143
Formation End Depth: 148
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033412
Layer: 7
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 06
Mat3 Desc: SILT
Formation Top Depth: 127
Formation End Depth: 141
Formation End Depth UOM: ft

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

Overburden and Bedrock Materials Interval

Formation ID:	932033413
Layer:	8
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	141
Formation End Depth:	143
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901236
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10864652
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522596
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

WWIS	***19***	***1 of 1***	***E/146.7***	***260.4 / -3.52***	***11900 HEARTLAKE Brampton ON***

Well ID:	7116987	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Dewatering	***Date Received:***	12/23/2008
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Dewatering	***Abandonment Rec:***	
Water Type:		***Contractor:***	6607
Casing Material:		***Form Version:***	5
Audit No:	M03959	***Owner:***	
Tag:	A078526	***Street Name:***	11900 HEARTLAKE
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7116987.pdf

Bore Hole Information

Bore Hole ID:	1001913869	**Elevation:**	256.601654
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	596375
Code OB Desc:		**North83:**	4844940
Open Hole:	No	**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	10/22/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002790197
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	02
Mat3 Desc:	TOPSOIL
Formation Top Depth:	0
Formation End Depth:	.15
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002790200
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8
Formation End Depth:	9
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002790198

Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: .15
Formation End Depth: 3.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002790199
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 3.5
Formation End Depth: 8
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002790202
Layer: 1
Plug From: 0
Plug To: 0.6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002790203
Layer: 2
Plug From: 0.6
Plug To: 5.8
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002790208
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1002790195
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002790205
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 6
Casing Diameter: 5.9
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002790206
Layer: 1
Slot: 10
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.4

Results of Well Yield Testing

Pump Test ID: 1002790196
Pump Set At:
Static Level: 6
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM:
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1002790204
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 6
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002790201
Diameter: 21
Depth From: 0
Depth To: 9.1
Hole Depth UOM: m
Hole Diameter UOM: cm

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
WWIS	20	1 of 1	E/157.6	262.9 / -1.00	lot 17 con 2 ON

Well ID:	4908624	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/27/2000
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	6409
Casing Material:		**Form Version:**	1
Audit No:	219860	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	017
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4908624.pdf

Bore Hole Information

Bore Hole ID:	10323159	**Elevation:**	261.031585
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	596445
Code OB Desc:	Overburden	**North83:**	4845021
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/5/2000	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932064244
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932064246
Layer: 5
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932064247
Layer: 6
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 62
Mat2 Desc: CLEAN
Mat3:
Mat3 Desc:
Formation Top Depth: 80
Formation End Depth: 97
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932064242
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932064245
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 45
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932064243
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	02
Mat3 Desc:	TOPSOIL
Formation Top Depth:	1
Formation End Depth:	23
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933171226
Layer:	1
Plug From:	4
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964908624
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10871729
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930532834
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933360677
Layer:	1
Slot:	014
Screen Top Depth:	93
Screen End Depth:	97
Screen Material:	

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

Results of Well Yield Testing

Pump Test ID: 994908624
Pump Set At:
Static Level: 45
Final Level After Pumping: 72
Recommended Pump Depth: 90
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934779692
Test Type:
Test Duration: 45
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935045238
Test Type:
Test Duration: 60
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934259863
Test Type:
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934526168
Test Type:
Test Duration: 30
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933796725
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80

DB	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site
Water Found Depth UOM:		ft			

WWIS	21	1 of 1	S/158.2	264.1 / 0.20	lot 17 con 2 ON

Well ID:	4901235	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	12/22/1964
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	2801
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	017
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901235.pdf

Bore Hole Information

Bore Hole ID:	10316081	**Elevation:**	267.21405
DP2BR:	167	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	595945.5
Code OB Desc:	Bedrock	**North83:**	4844509
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	7/14/1964	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033405
Layer:	9
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	167
Formation End Depth:	188
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932033398
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 37
Formation End Depth: 45
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033401
Layer: 5
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 58
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033404
Layer: 8
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 159
Formation End Depth: 167
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033402
Layer: 6
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 11
Mat3 Desc: GRAVEL

Formation Top Depth: 110
Formation End Depth: 136
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033399
Layer: 3
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 45
Formation End Depth: 53
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033400
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 53
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033397
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 37
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033403
Layer: 7
Color:
General Color:
Mat1: 11

Most Common Material:	GRAVEL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	136
Formation End Depth:	159
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901235
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10864651
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522595
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	148
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933359106
Layer:	1
Slot:	125
Screen Top Depth:	148
Screen End Depth:	159
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Results of Well Yield Testing

Pump Test ID:	994901235
Pump Set At:	
Static Level:	68
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:	

Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933789201
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 148
Water Found Depth UOM: ft

WWIS **24** ***1 of 1*** ***SSW/165.3*** ***268.9 / 4.94*** ***lot 17 con 2 ON***

Well ID: 4901228
Construction Date:
Primary Water Use: Not Used
Sec. Water Use: 0
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/27/1964
Selected Flag: Yes
Abandonment Rec:
Contractor: 2801
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: BRAMPTON CITY (CHINGUACOUSY)
Site Info:
Lot: 017
Concession: 02
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901228.pdf

Bore Hole Information

Bore Hole ID: 10316074
DP2BR: 181
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 1/25/1964
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 267.990814
Elevrc:
Zone: 17
East83: 595807.5
North83: 4844490
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 932033343
Layer: 2
Color: 3

General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 27
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033345
Layer: 4
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 10
Mat3 Desc: COARSE SAND
Formation Top Depth: 117
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033347
Layer: 6
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 10
Mat3 Desc: COARSE SAND
Formation Top Depth: 133
Formation End Depth: 148
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033349
Layer: 8
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 155
Formation End Depth: 181
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932033346
Layer: 5
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 130
Formation End Depth: 133
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033342
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 27
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033348
Layer: 7
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 148
Formation End Depth: 155
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033344
Layer: 3
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 48

Formation End Depth: 117
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033350
Layer: 9
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 181
Formation End Depth: 182
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901228
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10864644
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522588
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 145
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359105
Layer: 1
Slot: 125
Screen Top Depth: 145
Screen End Depth: 156
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 994901228

Pump Set At:	
Static Level:	66
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:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933789198
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	133
Water Found Depth UOM:	ft

WWIS **25** ***1 of 1*** ***E/177.1*** ***264.6 / 0.68*** ***lot 17 con 3 ON***

Well ID:	4904742	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/25/1975
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4320
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	017
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4904742.pdf

Bore Hole Information

Bore Hole ID:	10319515	**Elevation:**	262.516479
DP2BR:	106	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	h	**East83:**	596489.5
Code OB Desc:	Mixed in a Layer	**North83:**	4845088
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/3/1975	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932046982
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 17
Mat3 Desc: SHALE
Formation Top Depth: 106
Formation End Depth: 155
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932046979
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932046981
Layer: 3
Color: 3
General Color: BLUE
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 103
Formation End Depth: 106
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932046980
Layer: 2
Color: 3
General Color: BLUE

Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 103
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964904742
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10868085
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930527418
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 103
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359621
Layer: 1
Slot: 020
Screen Top Depth: 103
Screen End Depth: 106
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 994904742
Pump Set At:
Static Level: 65
Final Level After Pumping: 71
Recommended Pump Depth: 90
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934259699
Test Type:	Draw Down
Test Duration:	15
Test Level:	71
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934779574
Test Type:	Draw Down
Test Duration:	45
Test Level:	71
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935044527
Test Type:	Draw Down
Test Duration:	60
Test Level:	71
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934525456
Test Type:	Draw Down
Test Duration:	30
Test Level:	71
Test Level UOM:	ft

Water Details

Water ID:	933792773
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	103
Water Found Depth UOM:	ft

WWIS 26 ***1 of 1*** ***S/183.2*** ***265.0 / 1.09*** ***lot 17 con 2 ON***

Well ID:	4901234	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	9/29/1964
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	2801
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017

Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901234.pdf

Bore Hole Information

Bore Hole ID:	10316080	***Elevation:***	266.964813
DP2BR:	171	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	595930.5
Code OB Desc:	Bedrock	***North83:***	4844474
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/7/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033393
Layer:	4
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28
Formation End Depth:	109
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033390
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID: 932033396
Layer: 7
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 171
Formation End Depth: 179
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033394
Layer: 5
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 109
Formation End Depth: 131
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033392
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 10
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033391
Layer: 2
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 6

Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033395
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 131
Formation End Depth: 171
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901234
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10864650
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522594
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

WWIS 27 | ***1 of 2*** | ***ESE/193.2*** | ***257.6 / -6.28*** | ***ON***

Well ID: 7232432
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C25987
Tag: A161274
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status: Yes
Data Src:
Date Received: 11/25/2014
Selected Flag: Yes
Abandonment Rec:
Contractor: 7360
Form Version: 8
Owner:
Street Name:
County: PEEL
Municipality: BRAMPTON CITY (CHINGUACOUSY)
Site Info:
Lot:

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

Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005238506	**Elevation:**	252.803497
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	596372
Code OB Desc:		**North83:**	4844869
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/26/2014	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

WWIS **27** ***2 of 2*** ***ESE/193.2*** ***257.6 / -6.28*** ***Brampton ON***

Well ID:	7317249	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/22/2018
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7341
Casing Material:		**Form Version:**	7
Audit No:	Z280513	**Owner:**	
Tag:	A161274	**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007260366	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	596372
Code OB Desc:		**North83:**	4844869
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:		**UTMRC Desc:**	margin of error : 30 m - 100 m

Remarks: ***Location Method:*** wwr
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1007438814
Layer: 1
Plug From: 0
Plug To: 7
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007438815
Layer: 2
Plug From: 7
Plug To: 12
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007438813
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1007438807
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007438811
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007438812
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft

Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1007438810
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007438809
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

WWIS | **28** | **3 of 4** | **N/196.9** | **270.8 / 6.93** | **12179 HEARTLAKE RD lot 19 con 3 ON**

Well ID:	7183229	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	6/29/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	2576
Casing Material:		**Form Version:**	7
Audit No:	Z149233	**Owner:**	
Tag:		**Street Name:**	12179 HEARTLAKE RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	019
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7183229.pdf

Bore Hole Information

Bore Hole ID:	1003950600	**Elevation:**	269.953796
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	595978
Code OB Desc:		**North83:**	4845545
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/9/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1004392686
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth:
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004392694
Layer: 2
Plug From: 8
Plug To: 170
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004392695
Layer: 3
Plug From: 170
Plug To: 180
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004392693
Layer: 1
Plug From: -5
Plug To: 8
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004392692
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004392685
Casing No: 0
Comment:
Alt Name:

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

Construction Record - Casing

Casing ID: 1004392689
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004392690
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1004392688
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004392687
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

WWIS **31** ***1 of 1*** ***E/211.9*** ***261.5 / -2.45*** ***lot 17 con 3 ON***

Well ID: 4901339
Construction Date:
Primary Water Use: Not Used
Sec. Water Use: 0
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src: 1
Date Received: 5/25/1959
Selected Flag: Yes
Abandonment Rec:
Contractor: 2801
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: BRAMPTON CITY (CHINGUACOUSY)
Site Info:
Lot: 017
Concession: 03
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901339.pdf

Bore Hole Information

Bore Hole ID:	10316185	**Elevation:**	260.269775
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	596512.5
Code OB Desc:	Overburden	**North83:**	4845035
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	10/15/1958	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033862
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033865
Layer:	5
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033868
Layer:	8
Color:	

General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 138
Formation End Depth: 139
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033866
Layer: 6
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 95
Formation End Depth: 121
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033863
Layer: 3
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033867
Layer: 7
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 121
Formation End Depth: 138
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932033864
Layer: 4
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 50
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033861
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901339
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10864755
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522712
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 139
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994901339

Pump Set At:	
Static Level:	28
Final Level After Pumping:	36
Recommended Pump Depth:	
Pumping Rate:	90
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	6
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933789278
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	95
Water Found Depth UOM:	ft

WWIS **32** ***1 of 1*** ***N/217.7*** ***272.5 / 8.59*** ***lot 19 con 2 ON***

Well ID:	4901240	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/25/1966
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4813
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	019
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901240.pdf

Bore Hole Information

Bore Hole ID:	10316086	**Elevation:**	271.046966
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	595918.5
Code OB Desc:	Overburden	**North83:**	4845528
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/7/1966	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932033434
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 37
Formation End Depth: 163
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033432
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033435
Layer: 4
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 163
Formation End Depth: 177
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033433
Layer: 2
Color: 3
General Color: BLUE

Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 37
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901240
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10864656
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522600
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 173
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933359108
Layer: 1
Slot: 020
Screen Top Depth: 173
Screen End Depth: 177
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 994901240
Pump Set At:
Static Level: 77
Final Level After Pumping: 109
Recommended Pump Depth: 110
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933789204
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 163
Water Found Depth UOM: ft

WWIS **33** ***1 of 1*** ***E/218.3*** ***260.5 / -3.38*** ***lot 17 con 3 ON***

Well ID:	4901338	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	5/25/1959
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	2801
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	BRAMPTON CITY (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901338.pdf

Bore Hole Information

Bore Hole ID:	10316184	***Elevation:***	259.394317
DP2BR:	142	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	596517.5
Code OB Desc:	Bedrock	***North83:***	4845030
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/27/1958	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932033854
Layer: 1

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

Overburden and Bedrock Materials Interval

Formation ID: 932033860
Layer: 7
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 142
Formation End Depth: 143
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033857
Layer: 4
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 129
Formation End Depth: 132
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033859
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 140
Formation End Depth: 142
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033855
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 1
Formation End Depth: 114
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033856
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 114
Formation End Depth: 129
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033858
Layer: 5
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 132
Formation End Depth: 140
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901338
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10864754
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930522711
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	142
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994901338
Pump Set At:	
Static Level:	25
Final Level After Pumping:	28
Recommended Pump Depth:	
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933789277
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	114
Water Found Depth UOM:	ft

Unplottable Summary

Total: 37 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	MANAGEMENT BOARD SECRETARIAT	HEART LAKE RD. SEW. LIFT STA.	BRAMPTON CITY ON	
CA	R.M. OF PEEL	ACROSS HIGHWAY 410	BRAMPTON CITY ON	
CA	The Regional Municipality of Peel	Mayfield Road	Brampton ON	
CA	REG. MUN. OF PEEL	HEART LAKE RD.	BRAMPTON CITY ON	
CA		Mayfield Road	Caledon ON	
CA	The Regional Municipality of Peel	Mayfield Road	Brampton ON	
CA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	
CA	The Regional Municipality of Peel	Mayfield Road	Brampton ON	
CA	Crupi Enterprises Inc.	Heart Lake Road	Brampton ON	
CA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	
CA	The Corporation of the City of Brampton	Heart Lake Road	Brampton ON	
CA	The Regional Municipality of Peel	Mayfield Road, Kennedy Road and Heart Lake Road	Brampton ON	
CA	Heart Lake Road Developers Group Inc.	Heart Lake Road	Brampton ON	
CA	846456 ONTARIO LTD.	HEART LAKE RD./STREETS A-E	BRAMPTON CITY ON	
CA	846456 ONTARIO LTD.	HEART LAKE RD/A. DONNELLY SUB.	BRAMPTON CITY ON	
CA	MINISTRY OF THE ENVIRONMENT	PT. LOT 17, CONC. 3 EHS	BRAMPTON CITY ON	
ECA	Digram Developments Caledon Inc.	Part of Lot 19 and Concession 2EHS	Caledon ON	L4B 3N6

ECA	The Regional Municipality of Peel	Mayfield Road, Kennedy Road and Heart Lake Road	Brampton ON	L6T 3Y3
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 3Y3
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 4B9
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 4B9
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 4B9
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 4B9
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 3Y3
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 3Y5
ECA	The Regional Municipality of Peel	Mayfield Rd	Brampton ON	L6T 3Y3
ECA	Mayfield Road Portfolio Inc.	Mayfield Rd	Caledon ON	M3K 1N4
GEN	FRANCESCHINI BROS. AGGREGATES LTD.	HEART LAKE ROAD NORTH - BRAMPTON C/O 2531 CAWTHRA ROAD	MISSISSAUGA ON	L5A 2W7
GEN	Department of Transport	Caledon Radar Station Heart Lake Road	Caledon ON	
GEN	The Regional Municipality of Peel waste water	Mayfield Rd	Brampton ON	L7A 0C4
PES	GORE LANDSCAPING ENTERPRISE LIMITED	RR 4	BRAMPTON ON	L6T 3S1
PES	LAKESIDE GARDEN CENTRE (C#91761)	R.R. #4, HEART LAKE ROAD	BRAMPTON ON	
PES	LAKESIDE GARDEN CENTRE (C#02/2002)	RR 4, HEART LAKE RD	BRAMPTON ON	L6T 3S1
RSC	STARBRIGHT HOLDINGS INC.	0 MAYFIELD ROAD, BRAMPTON, ON L6V 2K6	Brampton ON	
SPL	The Corporation of the City of Brampton	Highway 410	Brampton ON	NA
SPL	Ravi Transport Ltd<UNOFFICIAL>	Mayfield Rd, just W of Heart Lake Rd	Brampton ON	
WDS		Part of Lot 17, Concession 3 EHS	Brampton ON	

Unplottable Report

Database: CA

Site: ***MANAGEMENT BOARD SECRETARIAT***
HEART LAKE RD. SEW. LIFT STA. BRAMPTON CITY ON

Certificate #:	3-0055-94-
Application Year:	94
Issue Date:	2/24/1994
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Database: CA

Site: ***R.M. OF PEEL***
ACROSS HIGHWAY 410 BRAMPTON CITY ON

Certificate #:	7-0038-87-
Application Year:	87
Issue Date:	2/6/1987
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Database: CA

Site: ***The Regional Municipality of Peel***
Mayfield Road Brampton ON

Certificate #:	1649-6PLNAN
Application Year:	2006
Issue Date:	6/13/2006
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Database: CA **Site:** ***REG. MUN. OF PEEL***
HEART LAKE RD. BRAMPTON CITY ON

Certificate #: 7-0461-85-006
Application Year: 85
Issue Date: 7/4/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:**
Mayfield Road Caledon ON

Certificate #: 3357-56AJB5
Application Year: 02
Issue Date: 1/17/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the Regional Municipality of Peel
Client Address: 10 Peel Centre Drive, Fourth Floor
Client City: Brampton
Client Postal Code: L6T 4B9
Project Description: This application is for approval to install a watermain on Mayfield Road
Contaminants:
Emission Control:

Database: CA **Site:** ***The Regional Municipality of Peel***
Mayfield Road Brampton ON

Certificate #: 0496-5SQMXP
Application Year: 2003
Issue Date: 10/28/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** ***The Regional Municipality of Peel***
Mayfield Rd Brampton ON

Certificate #: 0859-7E8RF4
Application Year: 2008
Issue Date: 5/2/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:

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

Database: ***CA*** ***Site:*** ***The Regional Municipality of Peel***
Mayfield Road Brampton ON

Certificate #: 2749-5URJLL
Application Year: 2004
Issue Date: 4/8/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: ***CA*** ***Site:*** ***Crupi Enterprises Inc.***
Heart Lake Road Brampton ON

Certificate #: 3815-5TLRDK
Application Year: 2003
Issue Date: 11/26/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: ***CA*** ***Site:*** ***The Regional Municipality of Peel***
Mayfield Rd Brampton ON

Certificate #: 5805-776MMT
Application Year: 2007
Issue Date: 9/19/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: ***CA*** ***Site:*** ***The Corporation of the City of Brampton***
Heart Lake Road Brampton ON

Certificate #: 6306-6W2RCJ
Application Year: 2006
Issue Date: 12/8/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA

Site: ***The Regional Municipality of Peel***
Mayfield Road, Kennedy Road and Heart Lake Road Brampton ON

Certificate #: 8528-7BRKWY
Application Year: 2008
Issue Date: 2/13/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA

Site: ***Heart Lake Road Developers Group Inc.***
Heart Lake Road Brampton ON

Certificate #: 9921-6X9QAG
Application Year: 2007
Issue Date: 1/11/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA

Site: ***846456 ONTARIO LTD.***
HEART LAKE RD./STREETS A-E BRAMPTON CITY ON

Certificate #: 7-0777-93-
Application Year: 93
Issue Date: 9/7/1993
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Database: ***CA*** ***Site:*** ***846456 ONTARIO LTD.***
HEART LAKE RD/A. DONNELLY SUB. BRAMPTON CITY ON

Certificate #: 3-0979-93-
Application Year: 93
Issue Date: 9/7/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: ***CA*** ***Site:*** ***MINISTRY OF THE ENVIRONMENT***
PT. LOT 17, CONC. 3 EHS BRAMPTON CITY ON

Certificate #: 8-3026-91-
Application Year: 91
Issue Date: 3/13/1991
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INST. OF STANDBY DIESEL GENERATOR
Contaminants: Nitrogen Oxides
Emission Control: No Controls

Database: ***ECA*** ***Site:*** ***Digram Developments Caledon Inc.***
Part of Lot 19 and Concession 2EHS Caledon ON L4B 3N6

Approval No: 0666-A6BMHM
Approval Date: 2016-02-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Digram Developments Caledon Inc.
Address: Part of Lot 19 and Concession 2EHS
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9608-A5WL76-14.pdf

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Database: ***ECA*** ***Site:*** ***The Regional Municipality of Peel***
Mayfield Road, Kennedy Road and Heart Lake Road Brampton ON L6T 3Y3

Approval No: 8528-7BRKWY
Approval Date: 2008-02-13
MOE District:
City:

Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Road, Kennedy Road and Heart Lake Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4438-7BMTVE-14.pdf

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Database: ***ECA*** ***Site:*** ***The Regional Municipality of Peel***
Mayfield Rd Brampton ON L6T 3Y3

Approval No:	1649-6PLNAN	***MOE District:***	
Approval Date:	2006-06-13	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2054-6LRVLW-14.pdf

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Database: ***ECA*** ***Site:*** ***The Regional Municipality of Peel***
Mayfield Rd Brampton ON L6T 4B9

Approval No:	0496-5SQMXP	***MOE District:***	
Approval Date:	2003-10-28	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9149-5RXP2L-14.pdf

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Database: ***ECA*** ***Site:*** ***The Regional Municipality of Peel***
Mayfield Rd Brampton ON L6T 4B9

Approval No:	2387-63TNAQ	***MOE District:***	
Approval Date:	2004-08-16	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:
Full PDF Link:

Database: ECA **Site:** The Regional Municipality of Peel
Mayfield Rd Brampton ON L6T 4B9

Approval No:	2749-5URJLL	**MOE District:**	
Approval Date:	2004-04-08	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6795-5SSMKA-14.pdf

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Database: ECA **Site:** The Regional Municipality of Peel
Mayfield Rd Brampton ON L6T 4B9

Approval No:	6524-AZRR3X	**MOE District:**	
Approval Date:	2018-07-10	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7493-AYMR4T-14.pdf

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Database: ECA **Site:** The Regional Municipality of Peel
Mayfield Rd Brampton ON L6T 3Y3

Approval No:	6843-75WN48	**MOE District:**	
Approval Date:	2007-08-10	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:
Full PDF Link:

Database: ECA **Site:** The Regional Municipality of Peel
Mayfield Rd Brampton ON L6T 3Y5

Approval No:	5805-776MMT	**MOE District:**	
Approval Date:	2007-09-19	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Peel
Address: Mayfield Rd
Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2880-76HKZU-14.pdf

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Database: ECA ***Site:*** ***The Regional Municipality of Peel***
Mayfield Rd Brampton ON L6T 3Y3

Approval No:	7236-6LRLZD	***MOE District:***	
Approval Date:	2006-02-07	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Business Name:	The Regional Municipality of Peel		
Address:	Mayfield Rd		
Full Address:			
Full PDF Link:			

Database: ECA ***Site:*** ***Mayfield Road Portfolio Inc.***
Mayfield Rd Caledon ON M3K 1N4

Approval No:	5859-96UQU5	***MOE District:***	
Approval Date:	2013-04-30	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Mayfield Road Portfolio Inc.		
Address:	Mayfield Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5271-96TLGJ-14.pdf		

Database: GEN ***Site:*** ***FRANCESCHINI BROS. AGGREGATES LTD.***
HEART LAKE ROAD NORTH - BRAMPTON C/O 2531 CAWTHRA ROAD MISSISSAUGA ON L5A 2W7

Generator No:	ON0570602	***PO Box No:***	
Status:		***Country:***	
Approval Years:	86,87,88,89,90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	0821		
SIC Description:	SAND & GRAVEL PITS		

Detail(s)

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

Database: GEN ***Site:*** ***Department of Transport***
Caledon Radar Station Heart Lake Road Caledon ON

Generator No:	ON5091686	***PO Box No:***	
Status:		***Country:***	
Approval Years:	06	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	

SIC Code: 911240
SIC Description: Federal Regulatory Services

Detail(s)

Waste Class: 243
Waste Class Desc: PCB'S

Database: ***GEN*** ***Site:*** ***The Regional Municipality of Peel waste water***
Mayfield Rd Brampton ON L7A 0C4

Generator No: ON9207702
Status: Registered
Approval Years: As of Jun 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

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

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

Database: ***PES*** ***Site:*** ***GORE LANDSCAPING ENTERPRISE LIMITED***
RR 4 BRAMPTON ON L6T 3S1

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Operator
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Database: ***PES*** ***Site:*** ***LAKESIDE GARDEN CENTRE (C#91761)***
R.R. #4, HEART LAKE ROAD BRAMPTON ON

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:

Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF Link:			

Database: ***PES*** ***Site:*** ***LAKESIDE GARDEN CENTRE (C#02/2002)***
RR 4, HEART LAKE RD BRAMPTON ON L6T 3S1

Detail Licence No:	23-01-01986-0	***Operator Box:***	
Licence No:	01986	***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:		***Oper Area Code:***	
Licence Type:	Limited Vendor	***Oper Phone No:***	
Licence Type Code:	23	***Operator Ext:***	
Licence Class:	01	***Operator Lot:***	
Licence Control:	0	***Oper Concession:***	
Latitude:		***Operator Region:***	3
Longitude:		***Operator District:***	
Lot:		***Operator County:***	49
Concession:		***Op Municipality:***	
Region:	3	***Post Office Box:***	
District:		***MOE District:***	
County:	49	***SWP Area Name:***	
Trade Name:			
PDF Link:			

Database: ***RSC*** ***Site:*** ***STARBRIGHT HOLDINGS INC.***
0 MAYFIELD ROAD, BRAMPTON, ON L6V 2K6 Brampton ON

RSC ID:	214669	***Cert Date:***	
RA No:		***Cert Prop Use No:***	
RSC Type:	Phase 1 RSC	***Intended Prop Use:***	Residential
Curr Property Use:	Agricultural/Other	***Qual Person Name:***	SIMON LAN
Ministry District:	Halton-Peel District Office	***Stratified (Y/N):***	
Filing Date:	2014/10/15	***Audit (Y/N):***	
Date Ack:		***Entire Leg Prop. (Y/N):***	
Date Returned:		***Accuracy Estimate:***	
Restoration Type:		***Telephone:***	
Soil Type:		***Fax:***	
Criteria:		***Email:***	
CPU Issued Sect 1686:			

Asmt Roll No:	2110-070-009-16300-0000
Prop ID No (PIN):	14225-0055 (LT)
Property Municipal Address:	0 MAYFIELD ROAD, BRAMPTON, ON L6V 2K6
Mailing Address:	
Latitude & Latitude:	
UTM Coordinates:	
Consultant:	
Legal Desc:	
Measurement Method:	
Applicable Standards:	
RSC PDF:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=38761&fileName=BROWNFIELDS-E.pdf

Document(s) Detail

Document Heading:	Supporting Documents

Document Name: CertofStatus - Starbright.PDF
Document Type: Certificate of Status
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=38755&fileName=CertofStatus+-+Starbright.PDF

Document Heading: Supporting Documents
Document Name: Phase One CSM.pdf
Document Type: Phase 1 Conceptual Site Model
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=38753&fileName=Phase+One+CSM.pdf

Document Heading: Supporting Documents
Document Name: Lawyers Letter.PDF
Document Type: Lawyer's letter consisting of a legal description of the property
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=40827&fileName=Lawyers+Letter.PDF

Document Heading: Supporting Documents
Document Name: PlanofSurvey.pdf
Document Type: A Current plan of Survey
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=40829&fileName=PlanofSurvey.pdf

Document Heading: Supporting Documents
Document Name: TransferDeed.pdf
Document Type: Copy of any deed(s), transfer(s) or other document(s)
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=38757&fileName=TransferDeed.pdf

Document Heading: Supporting Documents
Document Name: TableofCandPUses.pdf
Document Type: Table of Current and Past Property Use
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=38758&fileName=TableofCandPUses.pdf

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Database: SPL ***Site:*** ***The Corporation of the City of Brampton Highway 410 Brampton ON NA***

Ref No:	3542-BJTQP6	***Discharger Report:***	
Site No:	8686-BJWLFD	***Material Group:***	
Incident Dt:	2019/12/13	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Municipal Government
Incident Cause:		***Sector Type:***	Miscellaneous Industrial
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT N.O.S.	***Site Address:***	Highway 410
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:	n/a	***Site Postal Code:***	NA
Contaminant UN No 1:	n/a	***Site Region:***	Central
Environment Impact:		***Site Municipality:***	Brampton
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	NA
Receiving Env:	Land	***Northing:***	NA
MOE Response:	No	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	NA
MOE Reported Dt:	2019/12/13	***Site Map Datum:***	NA
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Equipment Failure	***Source Type:***	Motor Vehicle

Site Name: Highway 410
Site County/District: Regional Municipality of Peel
Site Geo Ref Meth: NA
Incident Summary: Brampton Transit: 20-30 L coolant spill to cb, cntd.
Contaminant Qty: 30 L

Database: SPL ***Site:*** ***Ravi Transport Ltd<UNOFFICIAL>***

Mayfield Rd, just W of Heart Lake Rd Brampton ON

Ref No:	2721-85UMVM	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	TRANSMISSION OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Deferred Field Response	***Easting:***	
Dt MOE Arvl on Scn:	5/28/2010	***Site Geo Ref Accu:***	
MOE Reported Dt:	5/27/2010	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	TT accident<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Ravi Transport Ltd: 75 L operating fluids to Rd		
Contaminant Qty:	30 L		

Database: ***WDS*** ***Site:***

Part of Lot 17, Concession 3 EHS Brampton ON

Approval No:	A220239	***Total Area (ha):***	1
Mob Unit Cert No:		***Landfill Cap (m³):***	
EBR Registry No:		***Transfer Area (ha):***	
Status:	Approved	***Transfer Cap (m³):***	299
Facility Type:	Transfer	***Transfer Cert No:***	N/A
Record Type:		***Inciner. Area (ha):***	
Link Source:		***Inciner. Cap (t):***	299 tonnes
Project Type:		***Process Area (m³):***	
Application Status:	Revocation	***Process Cap (m³/d):***	
Issue Date:	5/14/2001	***Process Vol (m³):***	
Input Date:		***Process Feed (m³):***	
Date Received:		***Site Concession:***	3
Est Closure Date:		***Site Region/County:***	Regional Municipality Of Peel
Mobile Capacity:		***SWP Area Name:***	
Mobile Units:		***MOE District:***	
Mobile Description:		***District Office:***	Halton-Peel
Prop City:	Brampton	***Latitude:***	
Prop Postal:	L6T 4B9	***Longitude:***	
Prop Phone:		***Geometry X:***	
Serial Link:	220239	***Geometry Y:***	
Approval Type:			
Proponent:	Corporation of the Regional Municipality of Peel		
Prop Address:	10 Peel Centre Drive		
Proponent County/District:	Regional Municipality Of Peel		
Full Address:			
Site Lot:	17		
Waste Class Code:			
Waste Class:			
Waste Type:			
Waste Type Other:			
Waste Description:			
Landfill Monitoring:			
Landfill Ctrl Type:			
Site Closing Description:			
Project Description:	Notification of site closure and completion of site closure plan.		

Municipalities Served: Region of Peel
Approval Description:
Other Approvals/Permits:
PDF URL:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Dec 2020

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Jan 31, 2021

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jan 31, 2020

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- Jan 31, 2021

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jan 31, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Dec 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jan 31, 2020

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-Jan 31, 2021

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Jan 31, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

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

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

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Jan 31, 2021

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX

C REGULATORY REQUESTS

Everett, Sheema

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Wednesday, April 07, 2021 3:54 PM
To: Everett, Sheema
Subject: RE: database search

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

NO RECORD FOUND

Hello Everett,

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,

Saara

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Everett, Sheema <llasheema.everett@wsp.com>
Sent: April 7, 2021 1:50 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: database search

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

Could you please search your databases for tanks, spills, incidents etc. for the following addresses:

- 12414 Kennedy Road, Caledon, ON
- 11900 Heart Lake Road, Caledon, ON
- 12179 Heart Lake Road, Caledon, ON

Thanks,

Sheema Everett, M.Env.Sc.
Environmental Scientist

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

2 International Blvd
Toronto, Ontario
M9W 1A2 Canada

wsp.com

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-LAEmHhHzdJzBlTWfa4Hgs7pbKl

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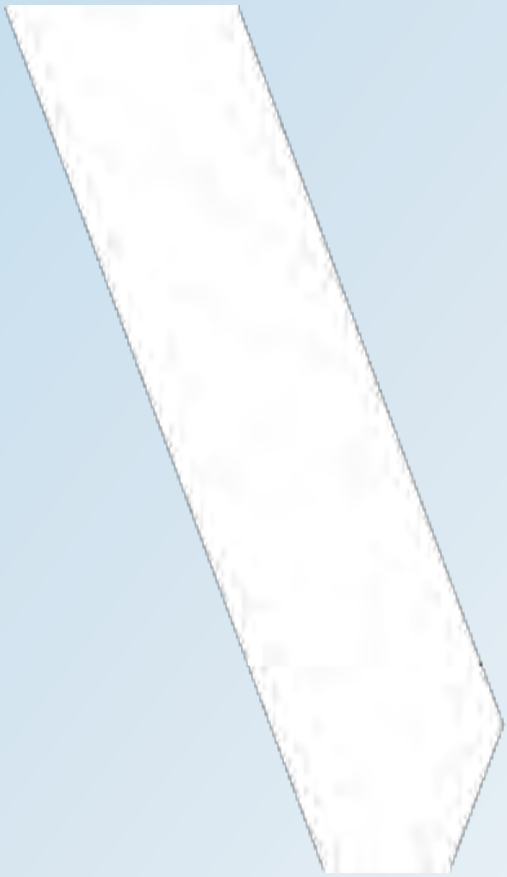
APPENDIX

D AERIAL PHOTOGRAPHS



DATA SOURCE: 1878 COUNTY ATLAS

0 50100 200 300 Metres

LEGEND:

250m STUDY AREA

SITE BOUNDARY

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PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-1

Prepared By: Ronsen Abbas

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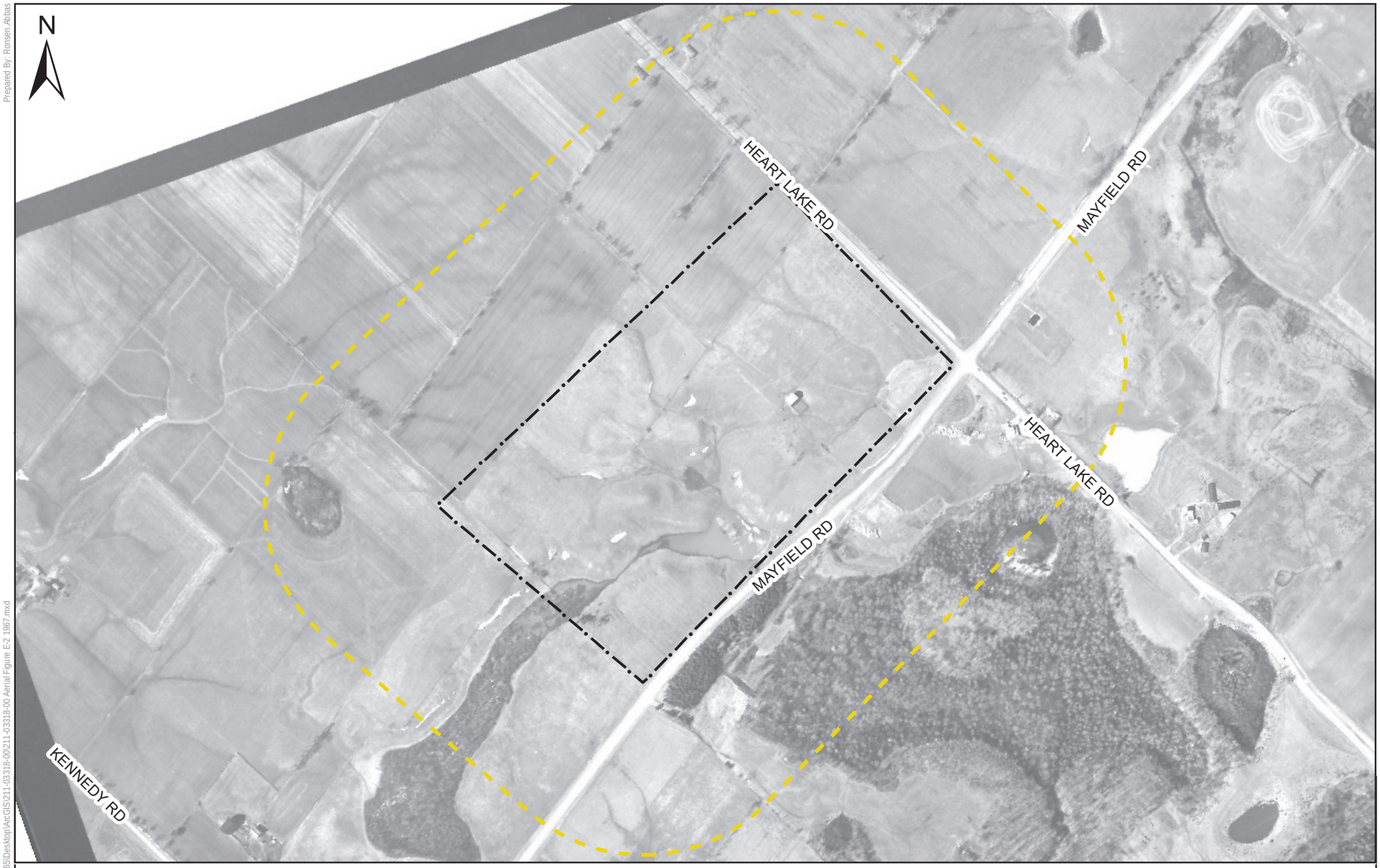


DATA SOURCE: REGION OF PEEL

0 50 100 200 300 Metres

LEGEND:

250m STUDY AREA

SITE BOUNDARY

TITLE:	1967 AERIAL PHOTOGRAPHY	PROJECT NO.:	211-03318-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-2

Prepared By: Ronsen Abbas

C:\Users\ronsen.abbas\OneDrive - WSP O365\Desktop\ArcGIS\211-03318-00\211-03318-00 Aerial Figure E-2 1967.mxd

DATA SOURCE: REGION OF PEEL

0 50 100 200 300 Metres

LEGEND:

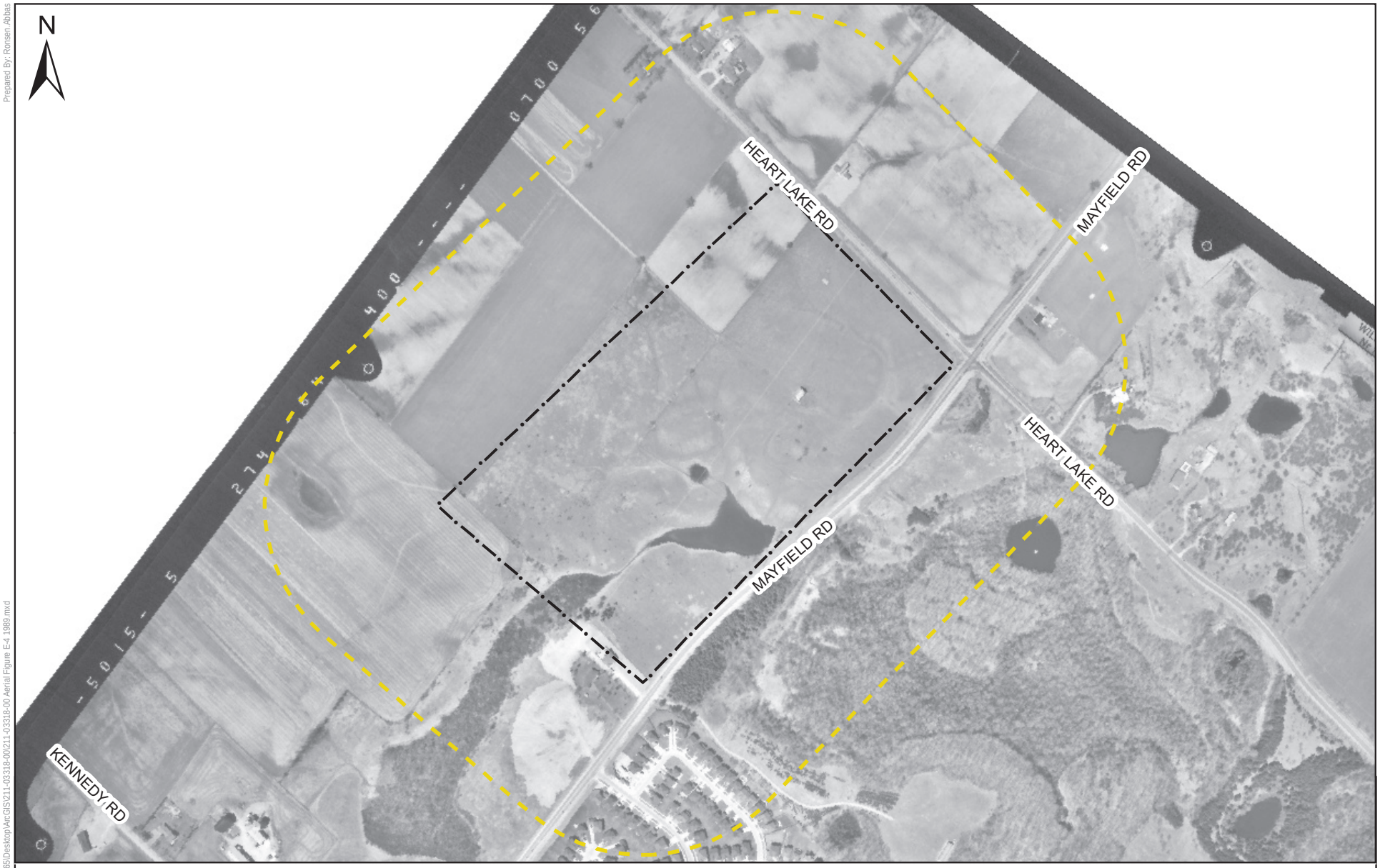
250m STUDY AREA

SITE BOUNDARY

TITLE:	1978 AERIAL PHOTOGRAPHY	PROJECT NO.:	211-03318-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-3

Prepared By: Ronsen Abbas

C:\Users\ronsen.abbas\OneDrive - WSP O365\Desktop\ArcGIS\211-03318-00\211-03318-00 Aerial Figure E-3 1978.mxd



DATA SOURCE: REGION OF PEEL

0 50 100 200 300 Metres

LEGEND:

250m STUDY AREA

SITE BOUNDARY

TITLE:	1989 AERIAL PHOTOGRAPHY	PROJECT NO.:	211-03318-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-4

Prepared By: Ronsen Abbas

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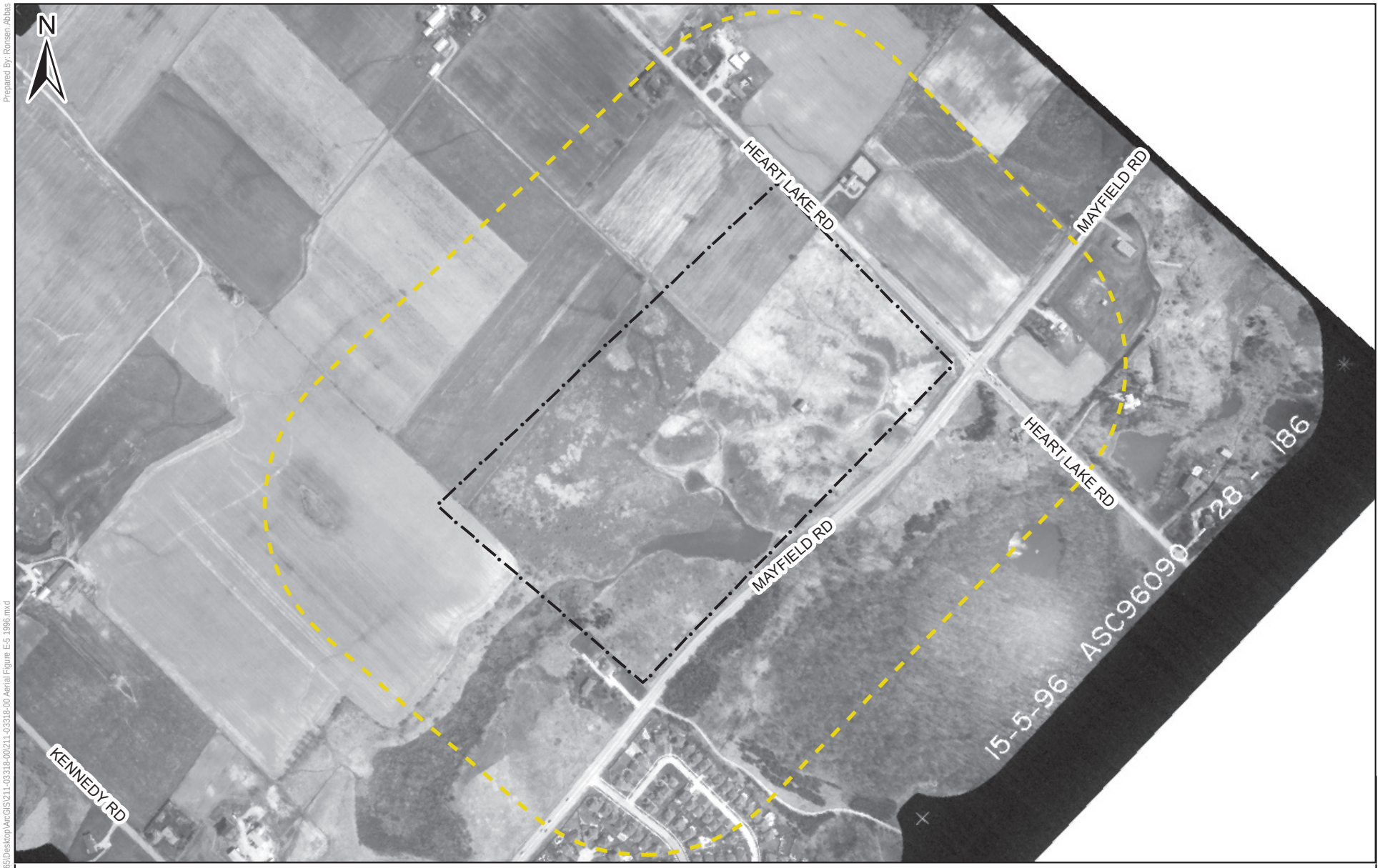

DATA SOURCE: REGION OF PEEL

0 50 100 200 300 Metres

LEGEND:

250m STUDY AREA

SITE BOUNDARY

TITLE:	1996 AERIAL PHOTOGRAPHY	PROJECT NO.:	211-03318-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-5

Prepared By: Ronsen Abbas

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DATA SOURCE: GOOGLE EARTH

0 50 100 200 300 Metres

LEGEND:

250m STUDY AREA

SITE BOUNDARY

TITLE:	2006 SATILLITE IMAGERY	PROJECT NO.:	211-03318-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-6

Prepared By: Ronsen Abbas

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DATA SOURCE: GOOGLE EARTH

0 50 100 200 300 Metres

LEGEND:

250m STUDY AREA

SITE BOUNDARY

TITLE:	2018 SATILLITE IMAGERY	PROJECT NO.:	211-03318-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 12414 KENNEDY ROAD BRAMPTON, ON	REVIEWED BY:	MB
		DATE:	MARCH 2021
CLIENT:	CLEARBROOK DEVELOPMENTS LTD.	FIGURE:	E-7

Prepared By: Ronsen Abbas

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APPENDIX

E SITE PHOTOGRAPHS

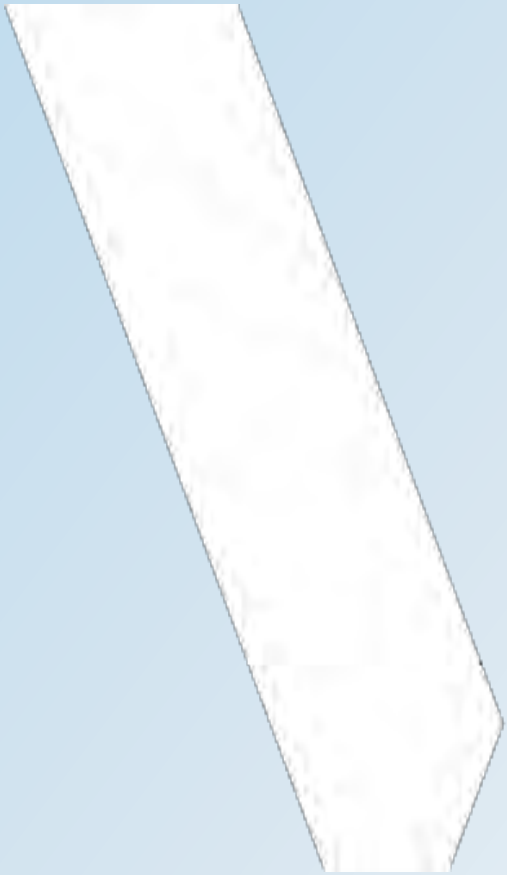

PHOTO 1: View of the front entrance of the property located at 12414 Kennedy Road in Caledon, ON

PHOTO 2: View of the western portion of the Phase One Property, facing south

PHOTO 3: View of the tributary located on the southern to southwestern portion of the Site.

PHOTO 4: View of the Phase One Property, looking west.

PHOTO 5: View of the cistern located on the eastern portion of the Phase One Property

PHOTO 6: View of the residential land uses to the southwest of the Site, within the Study Area.