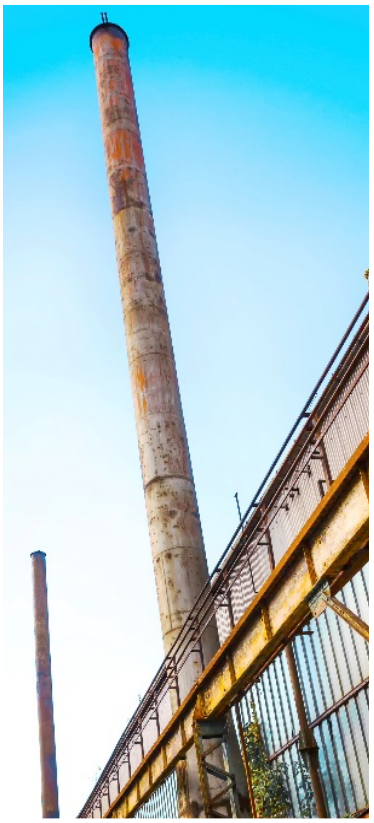
Phase One Environmental Site Assessment

Proposed Residential Development
787 and 825 Fallis Line
Millbrook, Ontario

Prepared For:
The Bromont Group



Executive Summary

A Phase One Environmental Site Assessment (ESA) was completed by GHD Limited (GHD) for The Bromont Group (referred to as “the Client”) for lands located at the municipal addresses of 787 and 825 Fallis Line in Millbrook, Ontario (collectively referred to as “the Property”). This ESA provides an update of an ESA that was completed for 825 Fallis Line by GHD in our report dated May 18, 2017. No areas of potential environmental concern (APECs) or environmental issues were identified for 825 Fallis Line in our previous report. An ESA was not previously completed for 787 Fallis Line.

The Property encompasses a total area of 49.21 hectares (121.6 acres) and supports two (2) rural residential dwellings, agricultural fields and forested areas. The Property is proposed for development as a residential subdivision. Based on aerial photographs, the Property was developed for rural residential and agricultural use prior to 1928.

The Phase One ESA has been prepared to provide the Client with a professional opinion of the potential for materially significant environmental liabilities.

The Phase One ESA was prepared under the supervision of a Qualified Person, as defined by the Environmental Protection Act, using Ontario Regulation (O. Reg.) 153/04 (as periodically amended), Schedule D for Phase One Environmental Site Assessments under Part XV.1 of the Act.

Based upon observations made during the site reconnaissance including the surrounding land uses and review of the historical documentation, potentially contaminating activities (PCAs) have been identified on the Property for a heating oil tank and a historical railway line. These PCAs were previously identified. No new PCAs are identified. No PCAs were identified within the Phase One Study Area (i.e. within 250 m).

The PCAs were identified previously and it was the opinion of GHD that they were not of significant environmental concern and did not result in APECs. There are no new PCAs identified at this time. The Property is suitable for the proposed development and no further environmental work is warranted at this time.

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1. Introduction

1.1 Phase One Property Information

A Phase One Environmental Site Assessment (ESA) was completed by GHD Limited (GHD) for The Bromont Group (referred to as "the Client") for lands located at the municipal addresses of 787 and 825 Fallis Line in Millbrook, Ontario (collectively referred to as "the Property"). The Property encompasses a total area of 49.21 hectares (121.6 acres) and supports two (2) rural residential dwellings, agricultural fields and forested areas. The Property is proposed for development as a residential subdivision. Based on aerial photographs, the Property was developed for rural residential and agricultural use prior to 1928.

This ESA provides an update of an ESA that was completed for 825 Fallis Line by GHD in our report dated May 18, 2017. No areas of potential environmental concern (APECs) or environmental issues were identified for 825 Fallis Line in our previous report. An ESA was not previously completed for 787 Fallis Line.

The location is illustrated on the Phase One Site Location, Figure 1 using a recent aerial photo to show a detailed depiction of the Property as well as surrounding roads and watercourses. The Phase One Conceptual Site Model (CSM) showing the Property and Phase One Study Area (surrounding lands within 250 m) and potentially contaminating activities (PCAs) is provided as Figure 2. A CSM provided as Figure 3 further illustrates conditions at the Property. The Property, PCAs, and surrounding areas are discussed in detail in the following sections of this report.

The Phase One ESA has been prepared to provide the Client with a professional opinion of the potential for materially significant environmental liabilities.

2. Scope of Investigation

The Phase One ESA was supervised by a Qualified Person, as defined by the Environmental Protection Act, using Ontario Regulation (O. Reg.) 153/04 (as periodically amended), Schedule D for Phase One Environmental Site Assessments under Part XV.1 of the Act.

The purpose of the Phase One ESA was to identify and document the current and historical conditions that indicate if further investigation may be necessary to evaluate the potential environmental liabilities. To achieve the purpose, the scope of work for this ESA included the following elements.

1. Compiled and reviewed available background information relating to past land use. Sources of information included mapping, plans, reports, aerial photography and land registry records.
2. Reviewed information available through the EcoLog Environmental Risk Information Service (ERIS). An ERIS report provides information associated with the Property through a comprehensive search of federal, provincial and private source data.

3. Carried out an inventory request of the Ministry of the Environment, Conservation and Parks (MECP) and Technical Standards and Safety Authority (TSSA) files to search for prior reported issues on the Property including incidents such as spills.

4. Conducted a walkover inspection to evaluate ground surface features and nearby land use.

5. Conducted an interview with the Client.

6. Analyzed data obtained from the investigation and presented the findings in this written report with appropriate conclusions and recommendations. The conclusions presented in this report are professional opinions based on the data described herein.

3. Records Review

3.1 General

A historical records review was completed of readily available records which included a request of the following:

- ERIS report;
- Freedom of Information (FOI) request submitted to the MECP;
- TSSA database;
- Fire Insurance Plans (FIPs);
- Historical aerial photography;
- Chain of Title search based on the legal description; and
- Other environmental and historical reports.

The historical records reviewed are provided in Appendix A.

3.1.1 Phase One Study Area Determination

The requirements for the Phase One Study, under O. Reg. 153/04, are to obtain and review records to evaluate potential environmental issues that may exist and to interpret any PCAs that may result in APECs. Lands within 250 m (i.e. the Phase One Study Area), as shown on the CSM, Figure 2, were reviewed and evaluated. In our opinion, no PCAs were identified greater than 250 m that should be included in the CSM or warrant additional environmental evaluation. Downgradient is generally inferred to be towards local tributaries of Baxter Creek to the south. The adjacent land use surrounding the Property at the time of the site reconnaissance is described as:

Upgradient: Residential lots and agricultural land;

Downgradient: Forested lands containing tributaries of Baxter Creek and newer residential lots; and,

Cross-gradient: Agricultural land and newer residential subdivision.

3.1.2 First Developed Use Determination

Based on aerial photographs, the Property was developed for rural residential and agricultural use prior to 1928. A rail line historically ran through the Property as observed in historical aerial photographs.

3.1.3 Chain of Title

The following information was obtained the Ontario Land Registry. Geographically the lands are denoted with the following legal descriptions, municipal addresses, and Property Identification Numbers (PINs):

- 787 Fallis Line – PIN 28012-0266 (LT) - PT LT 11 CON 5 CAVAN AS IN CMR23829 (SECONDLY) EXCEPT PT 1 9R772 & R699438; CVN-MIL-NMO; and,
- 825 Fallis Line – PIN 28012-0268 (LT) – PT LT 11 CON 5 CAVAN AS IN CMR36425; T/W CMR30135; T/W CMR30138; S/T CMR3821; CVN-MIL-NMO.

Ownership of the lots are provided in the following Tables:

Table 3.1: Chain of Title – (PIN# 28012-0266)

Owner	Years of Ownership
CSU2 Developments Inc.	August 2018 – Present
2264803 Ontario Limited	2010 – August 2018
Allan & Nancy Olan	1969 – 2010
Samuel Hunter	1918 – 1969

Table 3.2: Chain of Title – (PIN# 28012-0268)

Owner	Years of Ownership
CSU Developments Inc.	January 2014 – Present
Donald & Melisande Neal	1987 – January 2014
Archibald Fraser & June McCarley	1979 – 1987
Archibald & Kenneth Fraser	1973 – 1979
Fallis (Family)	1870 – 1973

3.1.4 Zoning

According to information available from the Township of Cavan Monaghan Zoning By-Law 2018-58, the Property is zoned as agricultural (A) with Natural Linkage (NL) areas. Surrounding lands are zoned as agricultural with natural linkage and natural core (NC) areas and future development (FD). Areas to the west are zoned as Oak Ridges Moraine Countryside (ORMCO). Zoning should be verified with the Township of Cavan Monaghan.

3.1.5 Environmental Reports

The following report was reviewed as part of this Phase One ESA:

- Phase One Environmental Site Assessment Report, Existing Agricultural Property, 825 Fallis Line, Millbrook, Ontario. Prepared by GHD Limited, Project No. 11148415-01, dated May 18, 2017.

The report outlines background information for a portion of the Property identified as 825 Fallis Line. At the time of the Phase One ESA, the lot was used for rural residential and agricultural purposes. The lot supported one (1) residence, one (1) barn and agricultural fields. The ESA identified a heating oil tank, a two (2) litre (L) spill of heating oil and a historical railway line. No APECs were identified. It was GHD's opinion at that time that no further environmental work was warranted and the lot was suitable for a residential development.

3.2 Environmental Source Information

Inquiries were made to obtain a number of documents regarding environmental information including information provided by maps, regulatory agencies (MECP, TSSA, etc.), local agencies (municipal data, local library etc.) and environmental search information on file. The review of these documents is discussed in the following subsections.

3.2.1 Mapping

Mapping and figures are presented within the Enclosures of this report. The location is presented on Figure 1 compiled under license with the Central Lake Ontario Conservation Authority and the Ontario Ministry of Natural Resources and Forestry. This figure illustrates adjacent roadways, water courses and surrounding land uses depicted upon a recent aerial photograph.

The surrounding area is generally residential and agricultural lots. The Phase One CSM – Study Area, Figure 2 illustrates the Study Area (lands within 250 m) and identifies any PCAs in this general area. The Phase One CSM – Property is presented as Figure 3 and further illustrates conditions at the Property.

3.2.2 Ontario Ministry of Environment, Conservation and Parks

A request was made under the Freedom of Information and Protection of Privacy Act (FOIPPA) to update the previous MECP request in regards to potential environmental concerns. The previous MECP request listed a 2 L heating oil spill from 2010. An updated response letter has not been received at the time of writing this report. Any pertinent information related to the requested documents will be forwarded upon receipt.

3.2.3 Technical Standards and Safety Authority

A search request was made to the TSSA in regards to potential environmental concerns. A response letter has not been received at the time of writing this report. Any pertinent information related to the requested documents will be forwarded upon receipt.

3.2.4 Fire Insurance Plans

There are no Fire Insurance Plans available for the area.

3.2.5 EcoLog Environmental Risk Information System

Ecolog ERIS Ltd. was contacted to request an ERIS report for the Property and Phase One Study Area. The ERIS report is based on a number of databases including, but not limited to, the National PCB Inventory, National Pollutant Release Inventory, Occurrence Reporting Information System, Retail Fuel Storage Tanks, Private Fuel Storage Tanks, Waste Disposal Sites Inventory and Certificates of Approval. The ERIS report is included in Appendix A. The ERIS report documents seven (7) records for the Property and an additional twenty-three (23) records within the Phase One Study Area (250 m). The following is a summary of records listed for the Property:

- One (1) ERIS Historical Search record;
- One (1) Fuel Oil Spills and Leaks record; and,
- Five (5) Water Well Information System records.

The following sub-sections provide a brief summary of the records obtained for the Property:

i) ERIS Historical Searches (1999 – October 31, 2020): This database is a compilation of environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. The one (1) record listed is for a search of 825 Fallis Line in 2017. The search was conducted for GHD's previous Phase One and is not an environmental concern.

ii) Fuel Oil Spills and Leaks (July 31, 2020): 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. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. The record is listed to 825 Fallis Line and consists of the 2 L spill of fuel oil in 2010. No health or environmental impact was reported. Based on the volume, it is GHD's opinion that no APECs are identified.

III) Water Well Information System (April 30, 2020): This is a database that 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. Well records are listed for drinking water wells in the area and are not cause for environmental concern.

The following is a summary of records listed for the Phase One Study Area:

- One (1) Environmental Activity and Sector Registry record;
- One (1) ERIS Historical Search record;
- One (1) Fuels Oil Spills and Leaks;
- One (1) Pipeline Incident record;
- Two (2) Ontario Spill records; and,
- Seventeen (17) Water Well Information System records.

Based on the records for the Phase One Study Area, the following area discussed:

- A spill of furnace oil is listed to 9 Turner Street in 2013. The volume of the spill is not listed. This area is downgradient of the Property and is not anticipated to result in an APEC.

- Water well records provide subsurface information and are not cause for environmental concern.
- It is GHD's opinion that the remaining records are not of significant environmental concern for the Property.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Digital aerial photographs were obtained and reviewed from the National Air Photo Library for the years of 1928, 1960 and 1975. Recent images from Google Earth were obtained for 2012 and 2018. Fallis Line is present in each of the images.

The 1928 photograph shows the Property developed with a rail line and several structures. A smaller structure is present in the vicinity of the railway line.

The 1960 photograph shows the small structure in the area of the rail line as removed. Structures at 787 Fallis Line are observed. Structures on the adjacent lot to the west are observed. The rail line appears to have been removed.

By 1975, the adjacent residence along Fallis Line has been constructed. Little observable change with respect to the Property is observed.

The 2012 Google Earth image shows the construction of the residence at 825 Fallis Line. 787 Fallis Line supports several structures. The 2018 Google Earth image shows the Property as generally observed during the site reconnaissance. A small construction lay down area is present along the east side of the Property used for storage of equipment and supplies for the residential development under construction to the east. Construction of this adjacent residential subdivision is observed.

Based on aerial photographs, a PCA is identified for a historical rail line. The rail line has been removed.

3.3.2 Topography, Hydrogeology, & Geology

Topography: As depicted on the figures provided and observed during the site reconnaissance, the topography in the area slopes towards local low-lying tributaries of Baxter Creek and generally toward the south.

Hydrogeology: Based on regional topographic relief, it is inferred that local groundwater flow direction is towards the low-lying tributaries.

Hydrology: Surface water will flow in accordance with local topography. Excess surface water from the Property will generally flow southward to low-lying tributaries.

Geology: The Peterborough area is underlain by thin, flat-lying, Middle Ordovician limestone. The limestone belongs to the Lindsay and Verulam formation as part of the Trenton-Black River Group. The glacial materials deposited over bedrock are from the Late Wisconsian period. Regionally, the Property is situated within the contact area of the physiographic regions known as the Peterborough Drumlin Field and the Oak Ridges Moraine (Chapman and Putnam, 1984) with soil consisting of till. Till is typically comprised of a full range of soil particles from clay through boulders in size.

3.3.3 Fill Materials

There were no signs of deleterious fill materials observed during the site reconnaissance.

3.3.4 Water Bodies and Areas of Natural Significance

Low-lying tributaries of Baxter Creek are present within the Phase One Study Area. The tributaries flow to the east where they confluence with Baxter Creek. The southern portion of the Property is a forested area that will not be residentially developed.

3.3.5 Well Records

Newer development in the area including this proposed development are municipally serviced for water. The current residences are serviced with private drinking water wells. If private water wells or monitoring wells are encountered on the proposed development lands, they are required to be decommissioned, they should be abandoned in accordance with Ontario Regulation 903.

3.4 Site Operations Records

The Property has historically been used for rural residential and agricultural purposes. Site operations records were not reviewed.

4. Interview

GHD discussed the Property with the Client. The Property has been historically used for agricultural purposes and is proposed for development to support a residential subdivision. There were no known environmental issues associated with 787 Fallis Line, or any new environmental issues associated with 825 Fallis Line since the previous Phase One ESA was completed in 2017.

5. Site Reconnaissance

5.1 General Requirements

In accordance with the Regulation, a site reconnaissance was completed of the Site. Adjacent and surrounding sites were also observed from public access ways. The site reconnaissance was conducted on February 24, 2021 by GHD. Photographs are provided in Appendix C and document the Property and surrounding area. The assessor qualifications are provided in Appendix D.

5.2 Specific Observations at the Phase One Property

The following section provides a summary of the specific observations recorded by GHD. At the time of the reconnaissance, the Property was covered in a layer of snow. The Property is of irregular shape and is bordered by Fallis Line, a rural residential / agricultural lot, forested land and a newer residential subdivision. There is a former rail line that is used multi-purpose (walking / hiking / biking etc.) trail. Topography in the area gently slopes towards local low-lying tributaries of Baxter Creek to the south. Access to the Property is from Fallis Line.

The Property supports two (2) residential dwellings and several other barn / shed structures. Several small soil piles and rubble from a former barn were observed. While not of significant environmental concern, GHD recommends that these materials are disposed of appropriately. A small area of the Property is currently used as a temporary construction laydown area for the subdivision to the east. A 500-gallon temporary diesel aboveground storage tank (AST) was observed. No leaks or stains was observed and it is our understanding that the laydown area will be removed prior to development of the Property. The AST is not considered to be a significant environmental concern.

The residences are privately serviced with drinking water wells. The residence at 825 Fallis Line utilizes a heating oil AST, while the residence at 787 Fallis Line is serviced with natural gas. There were no signs of deleterious fill material, historical rail bed materials, indications of landfilling or other environmental concerns observed.

The surrounding area was observed to be residentially and agriculturally used lots. There were no environmental concerns identified with surrounding lots.

5.3 Enhanced Investigation Property

A Property is considered to be an Enhanced Investigation if the Property is used, or has ever been used, in whole or in part for an industrial use or for any of the following commercial uses: (i) as a garage; (ii) as a bulk liquid dispensing facility, including a gasoline outlet; or (iii) for the operation of dry cleaning equipment. Based on the historical information obtained for the Phase One ESA, this Property is not considered an enhanced investigation property.

5.4 Written Description of Investigation

The site reconnaissance included an inspection to confirm the current conditions and identify any current land uses which may have or may cause actual and/or potential environmental impacts. Adjoining and neighbouring sites were observed from public access ways.

6. Review and Evaluation of Information

6.1 Current and Past Uses

Based upon the information obtained through the records review and the site reconnaissance, the Property has historically been used for rural residential / agricultural purposes. Currently, the Property remains in use for rural residential / agricultural purposes, and is proposed for the development of a residential subdivision. In accordance with the Regulation, a table of current and past uses of the Property is required. Based on the information provided and reviewed, the following table is presented:

Table 6.1: Current and Past Uses

Year	Name of Owner	Description of Property Use	Property Use[1]	Other Observations from Aerial Photos, FIPs, etc.
2014 – Present	CSU Developments Inc. & CSU2 Developments Inc.	Rural residential and agricultural land	Residential Use and Agricultural or other use	Land registry confirmed the current owners. Site reconnaissance confirmed site layout and surrounding land use. Aerial photograph from 2018 confirms site conditions. Historical PCAs identified for a rail line and heating oil tank. No new APECs were identified.
1870 – 2014	Various owners (refer to Tables 3.1 & 3.2)	Rural residential and agricultural land	Residential Use and Agricultural or other use	Land registry confirmed former owners. Aerial photographs from 1928, 1960, 1975 and 2012 confirm development.

Notes: Dates and uses are estimated based on information obtained and reviewed.
(1) – the following types of property uses were considered: Agriculture or other; Commercial; Community; Industrial; Institutional; Parkland; and, Residential use.

6.2 Potentially Contaminating Activities

The MECP provides a list of PCAs in Schedule D of O. Reg. 153 (as amended by O. Reg. 511/09, O. Reg. 245/10 and O. Reg. 179/11). The following is a list and description of PCAs identified in the Phase One Study Area based on the MECP list. The PCAs are illustrated on the CSM Study Area, Figure 2 and identified as follows:

1. Rail Yards, Tracks and Spurs (PCA #46). This PCA was identified for a historical rail line which formerly ran through the Property. The rail line has been removed. As noted in our previous ESA, it was our opinion that the rail line did not result in an APEC. No new PCAs or APECs are identified relating to the former rail line.

2. Gasoline and Associated Products Storage in Fixed Tanks (PCA #28). This PCA was identified for a heating oil tank for the residence at 825 Fallis Line. A 2 L spill of heating oil was identified in the ERIS report from a spill that occurred in 2010. As noted in our previous ESA it was our opinion that the heating oil spill did not result in an APEC. No new PCAs or APECs are identified relating to the heating oil spill.

6.3 Areas of Potential Environmental Concern

There are no APECs identified on the Property at this time.

6.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Models are provided as Figures 2 and 3 within the Enclosures section. The CSM provides a basic overview, approximate locations of corridors, basic geological and hydrogeological information and any other pertinent data that may affect the Phase One ESA of Schedule D of the Regulation. The CSM is required to contain figures, narrative descriptions and assessments as per Subsection 16(7) of Table 1 of Schedule D (Sub-Heading (iv) in Report Section 7 of the Regulation). The following table and narrative is provided in accordance with O. Reg. 153 (as amended).

Table 6.2: Phase One Conceptual Site Model

Provide one or more figures of the Phase One Study area that,	i)	Show any existing buildings and structures	The existing structures are shown on the CSM-Property, Figure 3.
	ii)	Identify and locate water bodies located in whole or in part on the Phase One Study Area	Tributaries of Baxter Creek are located within the Phase One Study Area as shown on Figure 2.
	iii)	Identify and locate any areas of natural significance located in or in part on the Phase One Study Area	There were no areas of natural significance identified on the Property or within the Phase One Study Area.
	iv)	Locate any drinking water wells at the Phase One Property	The residences on the Property are privately serviced with drinking water wells.
	v)	Show roads, including names within the Phase One Study Area	Roads with names are provided on Figure 1.
	vi)	Show uses of properties adjacent to the Phase One Property	Adjacent site uses are shown on Figure 2. The surrounding area is generally residential and agricultural.
	vii)	Identify and locate where any potentially contaminating activity has occurred, and show tanks in such areas, and	PCAs are identified on the Property as shown on the Phase One Study Area – Figure 2.
	viii)	Identify and locate any APECs	There were no APECs identified.
Provide a description and assessment of,	i)	Any areas where PCA on or potentially affecting the Phase One Property has occurred	It is GHD's opinion that the PCAs identified have not affected the Phase One Property.
	ii)	Any contaminants of potential concern	There were no contaminants of concern identified.
	iii)	The potential for underground utilities, if any present, to affect distribution and transport	Underground utilities are not a concern as there are no contaminants of concern.
	iv)	Available regional or site specific geological and hydrogeological information, and	The Property is situated within the contact area of the Peterborough Drumlin Field and the Oak Ridges Moraine physiographic regions and the overburden is comprised of till. Groundwater is generally expected to conform to local topography and flow towards the south.
	v)	How any uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the model.	It is GHD's opinion that the degree of uncertainty is limited and the CSM is valid.

It is GHD's opinion that the Property is of relatively low environmental risk and is suitable for the proposed residential development. No further environmental investigation is warranted at this time.

7. Conclusions and Recommendations

7.1 Phase Two Environmental Site Assessment Required?

The Phase One ESA represents a "snapshot" in time. GHD cannot guarantee the reliability of information provided by others. However, whenever possible, verification of authenticity was attempted. In conclusion, it is GHD's opinion that a Phase Two ESA is not required.

7.2 Phase One Environmental Site Assessment Alone

It is GHD's opinion that only a Phase One ESA is required to provide our professional opinion.

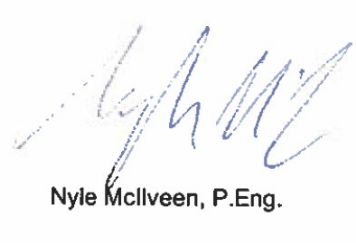
7.3 Signatures

The following signatures are provided of GHD staff that prepared and conducted the Phase One ESA. Mr. Nyle McIlveen, a Qualified Person within the meaning of the Environmental Protection Act and associated Regulation 153/04, has provided his opinion based on the information provided in this report. Following the References section of this report is the Statement of Limitations. These limitations are an integral part of this report. Should questions arise regarding any aspect of our report, please contact the undersigned or our office.

Sincerely,

GHD

Robert Neck, M.Eng., P.Geo. (Limited)



Nyle McIlveen, P.Eng.

8. References

Canadian Standards Association (CSA) Z768-01, "Phase I Environmental Site Assessment", reaffirmed 2012.

Chapman and Putnam, 1966. The Physiography of Southern Ontario, 2nd Edition. University of Toronto Press.

Chapman and Putnam, 1984. The Physiography of Southern Ontario, 3rd Edition. Ministry of Natural Resources.

Environmental Protection Act, R.S.O. 1990, and associated regulations.

Occupational Health and Safety Act, R.S.O. 1990, and associated regulations.

Ontario Ministry of the Environment, 2011. Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act (Environmental Protection Act 153/04, as amended).

Phase One Environmental Site Assessment Report, Existing Agricultural Property, 825 Fallis Line, Millbrook, Ontario. Prepared by GHD Limited, Project No. 11148415-01, dated May 18, 2017.

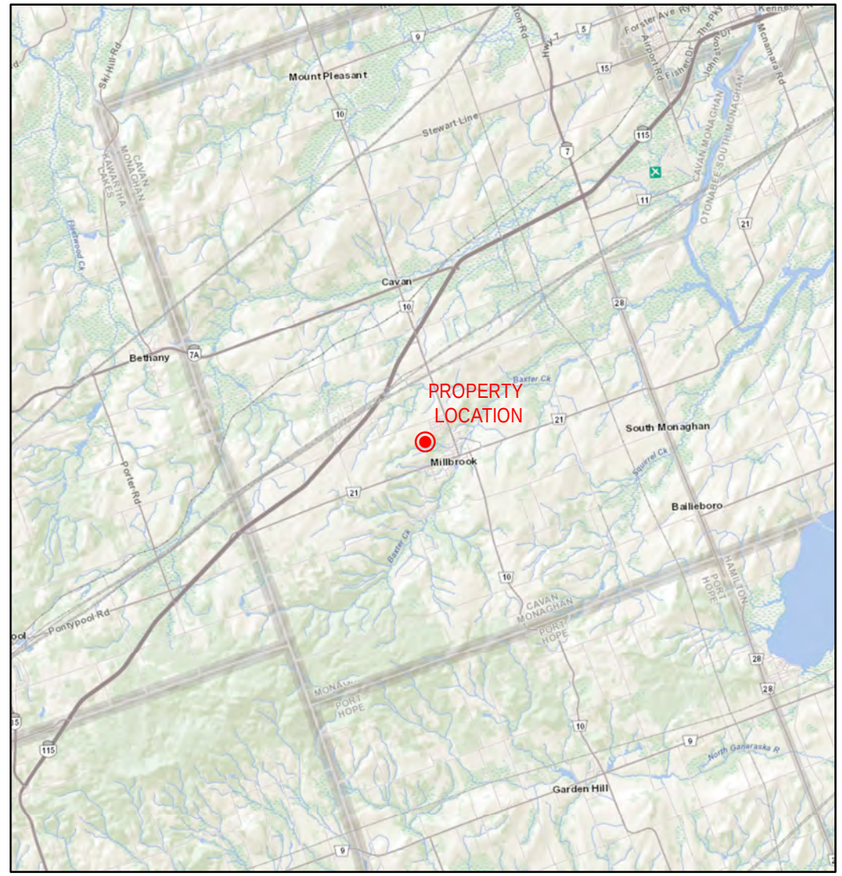
9. Statement of Limitations

This report is intended solely for The Bromont Group in assessing the environmental concerns of lands at the municipal addresses of 787 and 825 Fallis Line in Millbrook, Ontario and is prohibited for use by others without GHD's prior written consent. This report is considered GHD's professional work product and shall remain the sole property of GHD. Any unauthorized reuse, redistribution of or reliance on the report shall be at the Client and recipient's sole risk, without liability to GHD. Client shall defend, indemnify and hold GHD harmless from any liability arising from or related to Client's unauthorized distribution of the report. No portion of this report may be used as a separate entity; it is to be read in its entirety and shall include all supporting drawings and appendices.

The conclusions and recommendations made in this report are in accordance with our present understanding of the project, the current site use, surface and subsurface conditions, and are based on available information, a site reconnaissance on the date set out in the report, records review and interviews (as applicable) with appropriate people and the work scope approved by the Client and described in the report and should not be construed as a legal opinion. Therefore, our liability is limited to interpreting accurately the information made available to us and assessing the property information investigated during this Phase One ESA. The services were performed in a manner consistent with that level of care and skill ordinarily exercised by members of environmental engineering professions currently practicing under similar conditions in the same locality. No other representations, and no warranties or representations of any kind, either expressed or implied, are made. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties.

If conditions at the Property change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

Enclosures



Citation(s)

Ontario Digital Terrain Model [Derivative]. Central Lake Ontario Conservation Authority, 2018.

Service Layer Credits: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS © 2021 TomTom

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 17N

Paper Size ANSI B

0 140 280 420 560

Meters

N

Data Disclaimer(s)

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GHD

THE BROMONT GROUP
787 & 825 FALLIS LINE, MILLBROOK, ON
TOWNSHIP OF CAVAN-MONAGHAN
COUNTY OF PETERBOROUGH

ENVIRONMENTAL SITE ASSESSMENT

SITE LOCATION

Project No. 11224019
Revision No. -
Date Mar 2021

FIGURE 1

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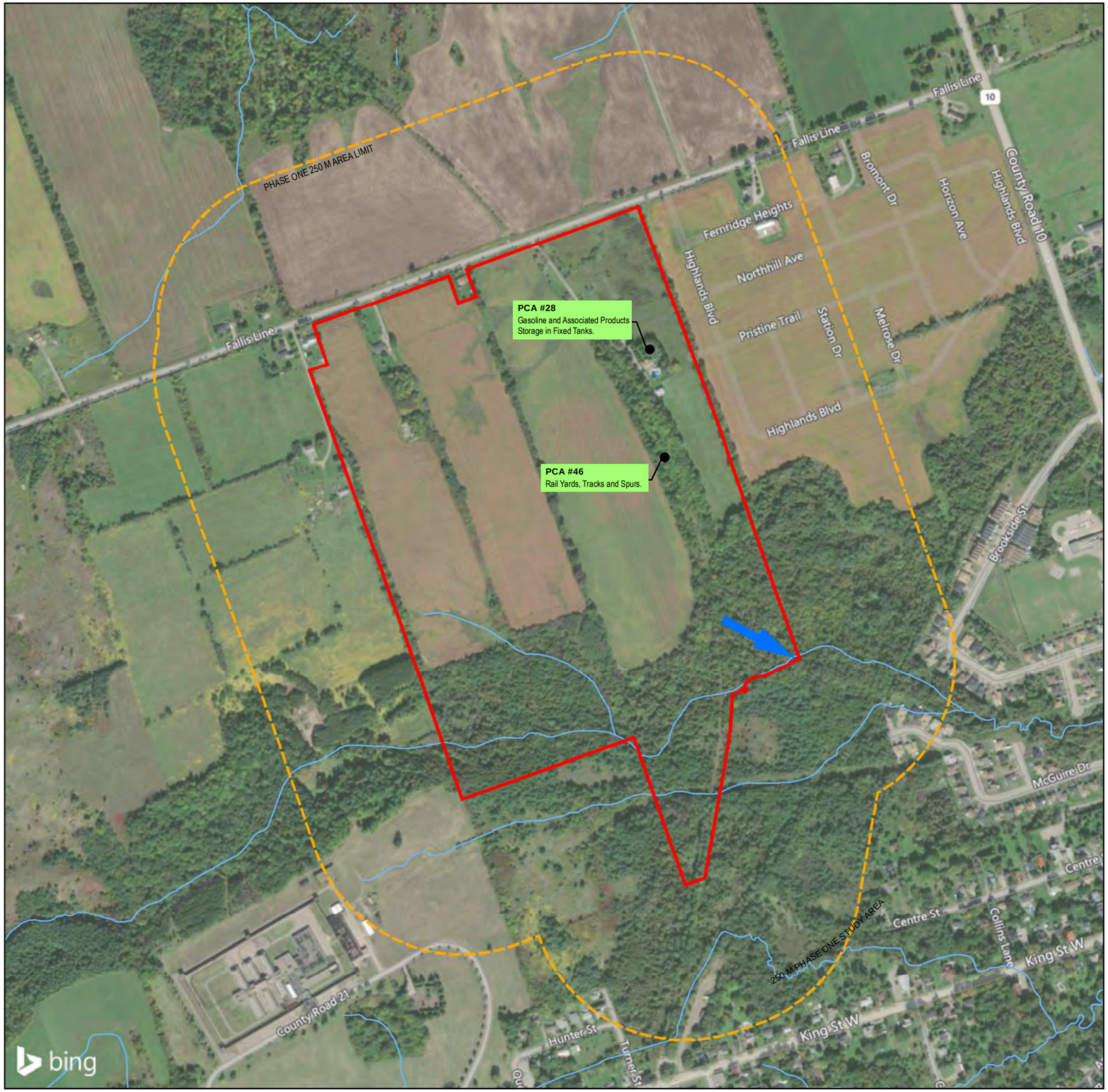
Print date: 03 Mar 2021 - 07:14



POTENTIALLY CONTAMINATED AREAS (PCAs)

- PCA Location Only
  No APEC

PCA #00
PCA Description

ONTARIO HYDROGRAPHIC NETWORK (OHN)

- Stream

FLOW DIRECTION

- Inferred Shallow Direction Flow

ADMINISTRATIVE BOUNDARIES

- Property Limit
- Phase One Study Area
  250 m from Property Limit

Citation(s)

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Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 17N

Paper Size ANSI B

0 90 180 270 360
Meters

N

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GHD

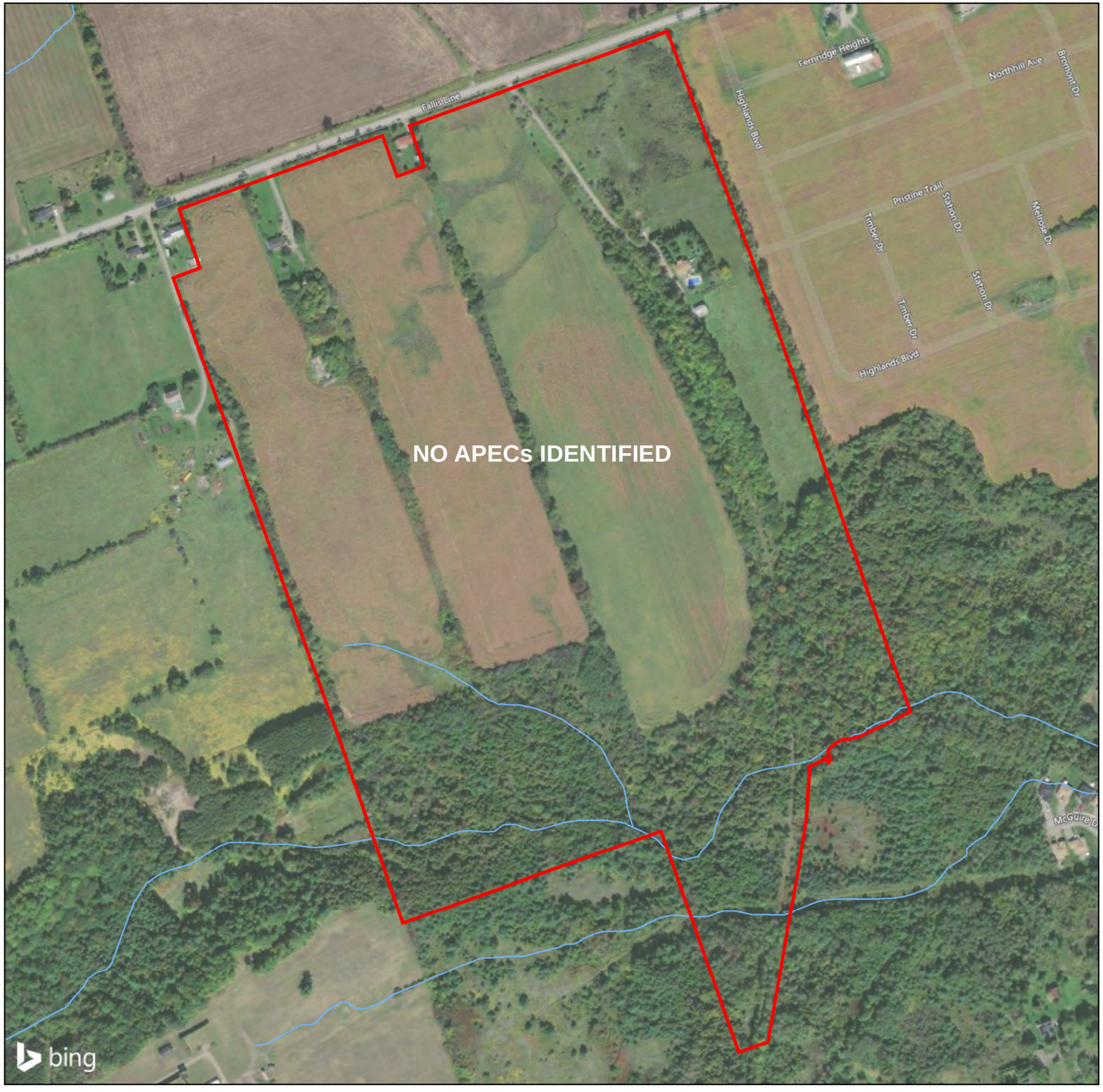
THE BROMONT GROUP
787 & 825 FALLIS LINE, MILLBROOK, ON
TOWNSHIP OF CAVAN-MONAGHAN
COUNTY OF PETERBOROUGH

ENVIRONMENTAL SITE ASSESSMENT
PHASE ONE STUDY AREA

Project No.	11224019
Revision No.	-
Date	Mar 2021

FIGURE 2

Q:\gis2\GIS\PROJECTS\11224000s\11224019\202103_ESA_001\11224019_202103_ESA001_GIS001.mxd
Print date: 03 Mar 2021 - 07:06



ONTARIO HYDROGRAPHIC NETWORK (OHN)

Stream

ADMINISTRATIVE BOUNDARIES

Property Limit

Citation(s)

Service Layer Credits: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS © 2021 TomTom

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 17N

Paper Size ANSI B

0 60 120 180 240

Meters

N

Data Disclaimer(s)

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GHD

THE BROMONT GROUP
787 & 825 FALLIS LINE, MILLBROOK, ON
TOWNSHIP OF CAVAN-MONAGHAN
COUNTY OF PETERBOROUGH

ENVIRONMENTAL SITE ASSESSMENT

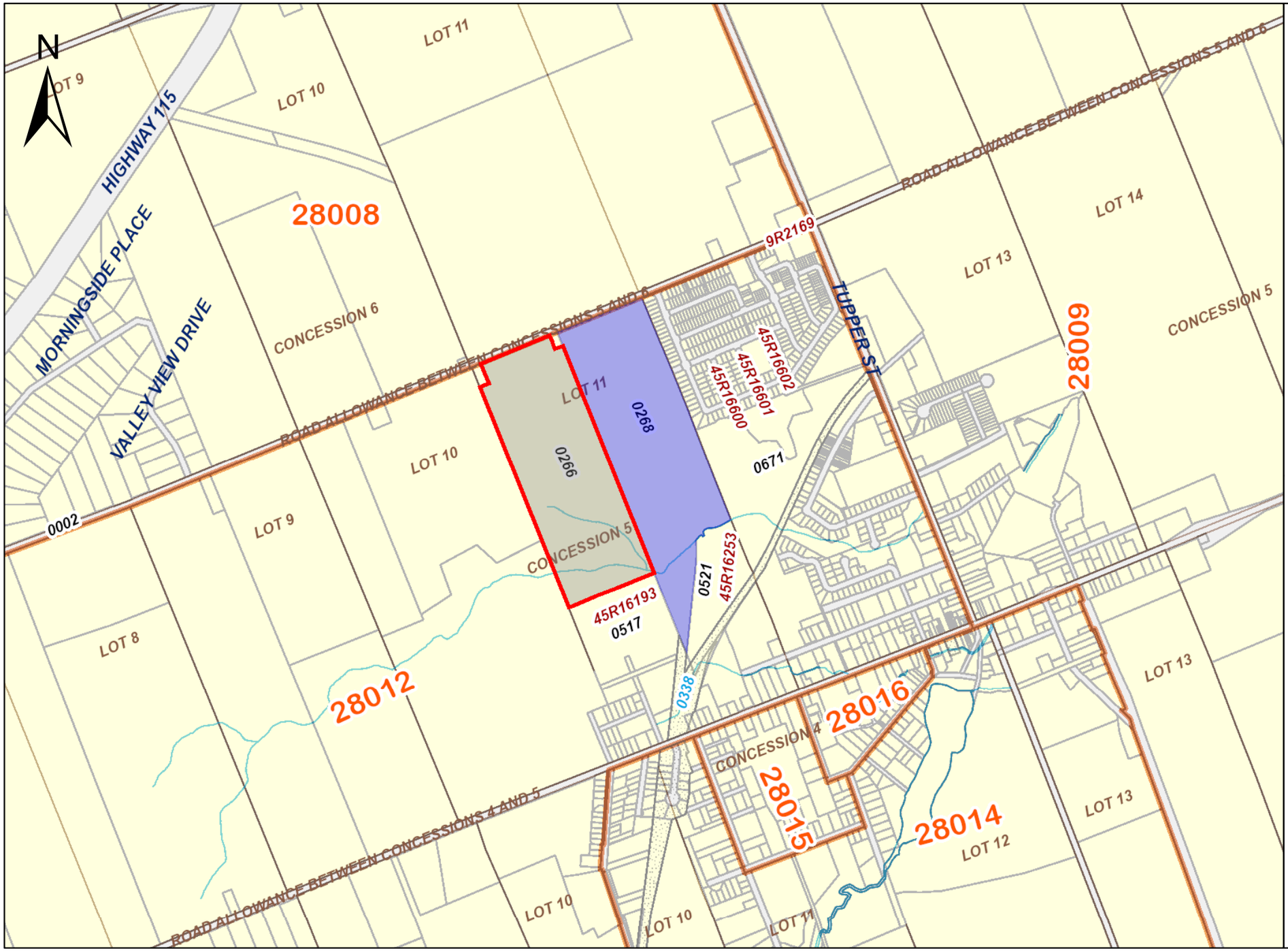
PHASE ONE CONCEPTUAL SITE MODEL

Project No. 11224019
Revision No. -
Date Mar 2021

FIGURE 3

Q:\gis2\GIS\PROJECTS\11224000s\11224019\202103_ESA_001\11224019_202103_ESA001_GIS002.mxd
Print date: 03 Mar 2021 - 07:11

Appendix A
Records Review



ServiceOntario

PRINTED ON 09 FEB, 2021 AT 16:54:20
FOR GHD

SCALE

0 150 300 450 600 750
meters

PROPERTY INDEX MAP

PETERBOROUGH(No. 45)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	**08050**
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

PROPERTY DESCRIPTION: PT LT 11 CON 5 CAVAN AS IN CMR23829 (SECONDLY) EXCEPT PT 1 9R772 & R699438; CVN-MIL-NMO

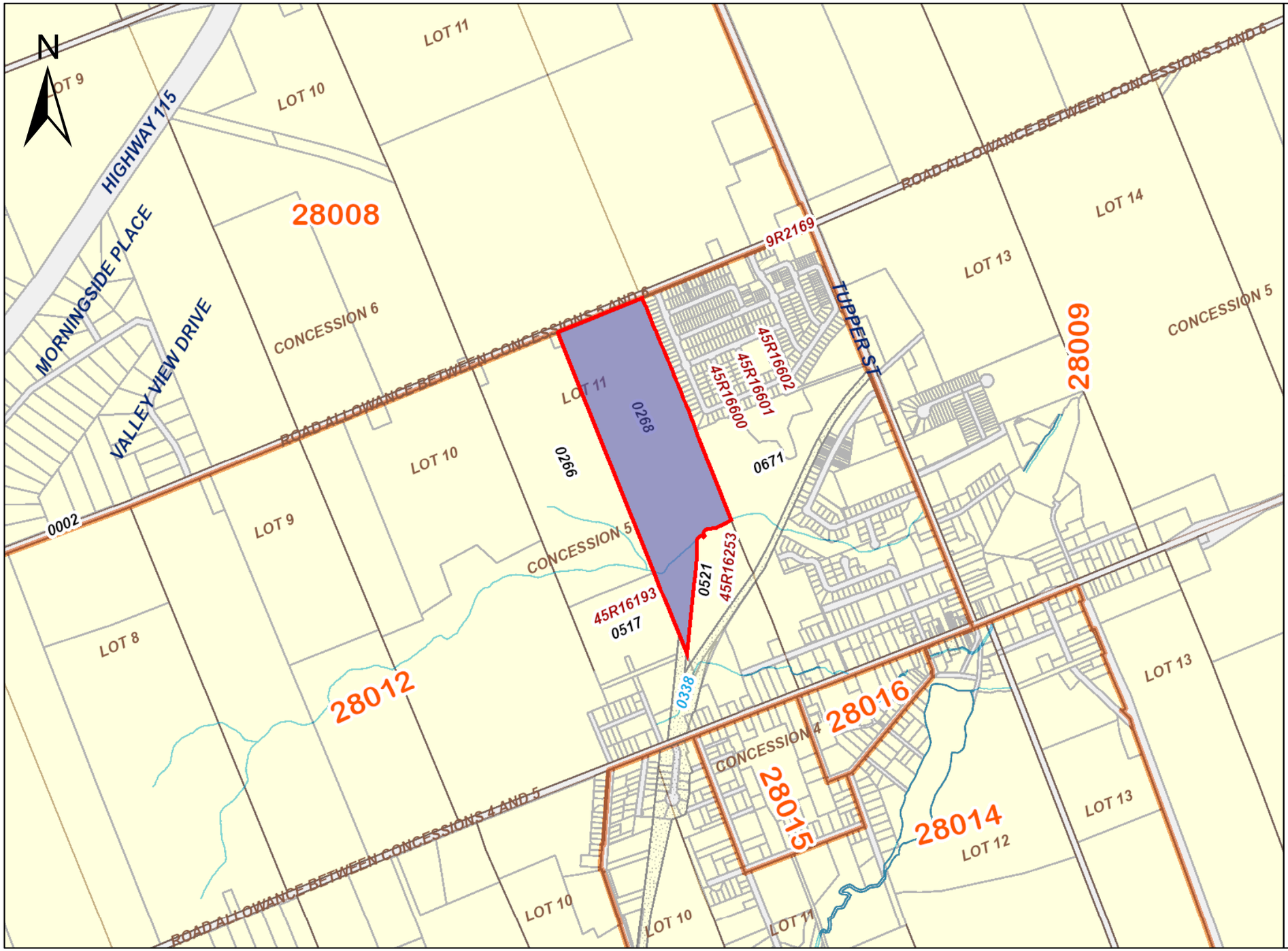
PROPERTY REMARKS:

ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE LT CONVERSION QUALIFIED	FIRST CONVERSION FROM BOOK	2006/11/20

OWNERS' NAMES	CAPACITY	SHARE
CSU2 DEVELOPMENTS INC.	ROWN	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2006/11/17 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2006/11/20 **						
CMR23009	1969/02/26	BYLAW				C
CMR23829	1969/06/02	TRANSFER		*** COMPLETELY DELETED ***	OLAN, ALLAN STANLEY OLAN, NANCY JEAN	
R578341	1993/03/15	CHARGE		*** COMPLETELY DELETED ***	CANADA TRUSTCO MORTGAGE CO	
R721548	2005/09/27	CHARGE		*** COMPLETELY DELETED ***	THE TORONTO-DOMINION BANK	
PE102688	2009/06/01	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE CANADA TRUST COMPANY		
REMARKS: R578341.						
PE138231	2010/12/06	TRANSFER		*** COMPLETELY DELETED *** OLAN, ALLAN STANLEY OLAN, NANCY JEAN	2264803 ONTARIO LIMITED	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: PLANNING ACT STATEMENTS					
PE139306	2010/12/22	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
	REMARKS: R721548.					
PE295861	2018/08/24	TRANSFER	$950,000	2264803 ONTARIO LIMITED	CSU2 DEVELOPMENTS INC.	C
	REMARKS: PLANNING ACT STATEMENTS.					



ServiceOntario

PRINTED ON 09 FEB, 2021 AT 16:53:19
FOR GHD

SCALE

0 150 300 450 600 750
meters

PROPERTY INDEX MAP

PETERBOROUGH(No. 45)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	**08050**
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

PROPERTY DESCRIPTION: PT LT 11 CON 5 CAVAN AS IN CMR36425; T/W CMR30135; T/W CMR30138; S/T CMR3821; CVN-MIL-NMO

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2006/11/20

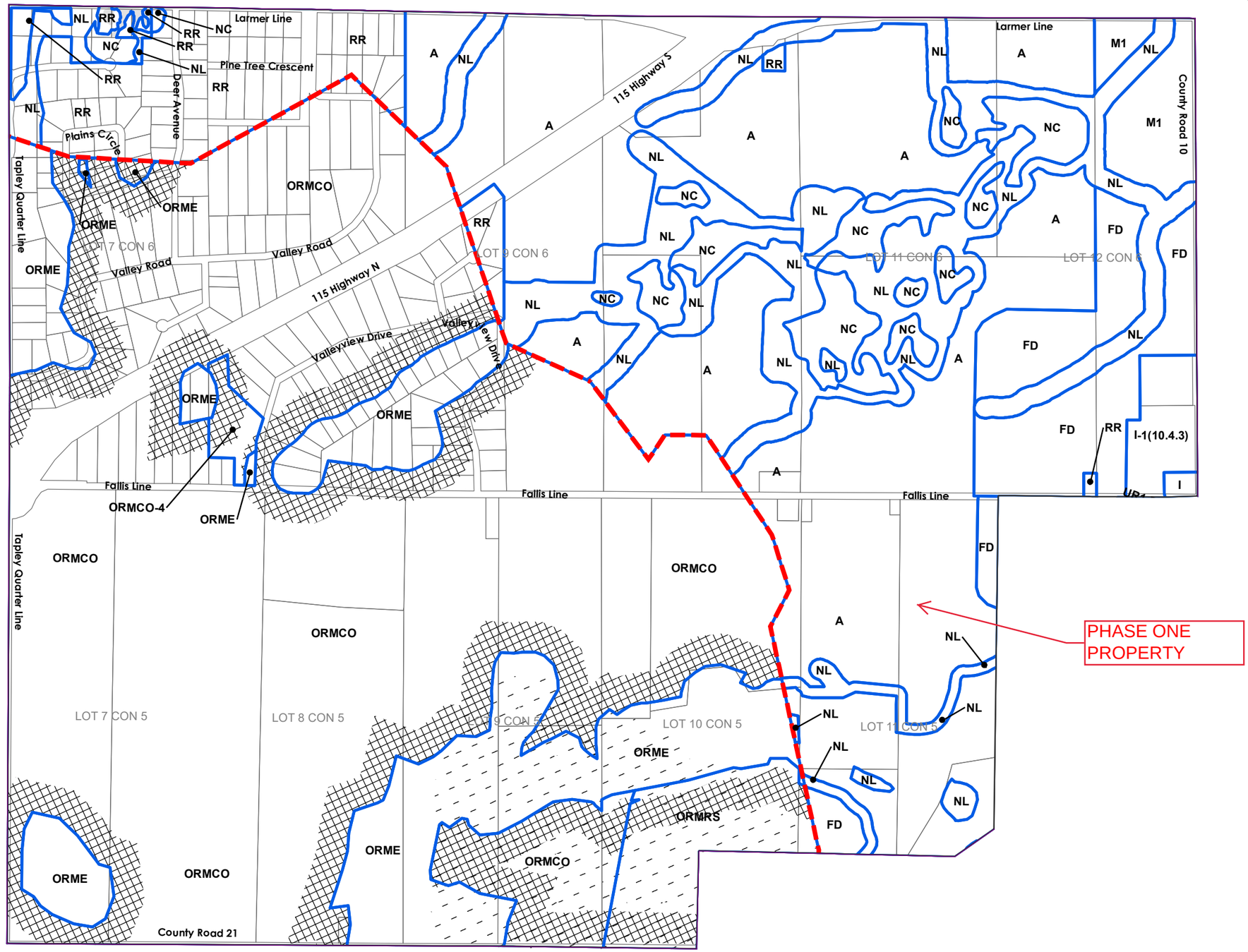
OWNERS' NAMES
CSU DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2006/11/17 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2006/11/20 **						
CMR3821	1958/03/21	TRANSFER EASEMENT			THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO	C
CMR23009	1969/02/26	BYLAW				C
CMR85800	1987/04/30	TRANSFER		*** COMPLETELY DELETED ***	NEAL, DONALD ALLAN NEAL, MELISANDE	
R621468	1996/05/03	CHARGE		*** COMPLETELY DELETED ***	ROYAL TRUST CORP OF CANADA	
PE98117	2009/03/12	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL TRUST CORP OF CANADA		
REMARKS: R621468.						
PE120190	2010/03/01	CHARGE		*** COMPLETELY DELETED *** NEAL, DONALD ALLAN NEAL, MELISANDE	ROYAL BANK OF CANADA	

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
PE201186	2014/01/31	TRANSFER	$1,298,700	NEAL, DONALD ALLAN NEAL, MELISANDE	CSU DEVELOPMENTS INC.	C
	REMARKS: PLANNING ACT STATEMENTS.					
PE201187	2014/01/31	CHARGE		*** COMPLETELY DELETED *** CSU DEVELOPMENTS INC.	NEAL, DONALD ALLAN NEAL, MELISANDE	
PE201832	2014/02/20	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL BANK OF CANADA		
	REMARKS: PE120190.					
PE262377	2017/02/01	DISCH OF CHARGE		*** COMPLETELY DELETED *** NEAL, DONALD ALLAN NEAL, MELISANDE		
	REMARKS: PE201187.					
PE275402	2017/08/28	CHARGE		*** COMPLETELY DELETED *** CSU DEVELOPMENTS INC.	MARSHALLZEHR GROUP INC.	
PE275403	2017/08/28	NO ASSGN RENT GEN		*** COMPLETELY DELETED *** CSU DEVELOPMENTS INC.	MARSHALLZEHR GROUP INC.	
	REMARKS: PE275402.					
PE275404	2017/08/28	RESTRICTION-LAND		*** COMPLETELY DELETED *** CSU DEVELOPMENTS INC.		
	REMARKS: NO CHARGE WITHOUT THE CONSENT OF MARSHALLZEHR GROUP INC.					
PE288296	2018/04/19	DISCH OF CHARGE		*** COMPLETELY DELETED *** MARSHALLZEHR GROUP INC.		
	REMARKS: PE275402.					
PE288297	2018/04/19	APL DELETE REST		*** COMPLETELY DELETED *** MARSHALLZEHR GROUP INC.		
	REMARKS: PE275404.					



TOWNSHIP OF CAVAN MONAGHAN

Legend

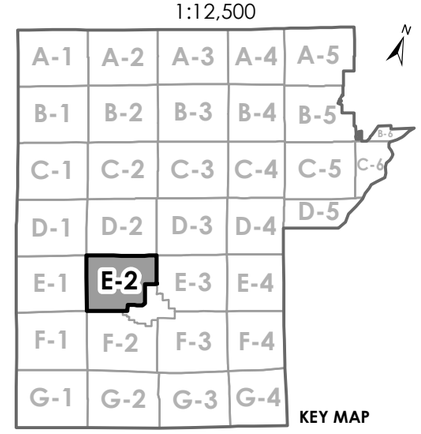
- Land Parcels
- Zoning
- Floodplain Overlay
- Oak Ridges Moraine
- ORMEPR Zone
- Source Water Protection Overlay

Zone Description

A - Agricultural
FD - Future Development
I - Institutional
M1 - Urban Employment
NC - Natural Core
NL - Natural Linkage
RR - Rural Residential
ORME - Environmental
ORMCO - ORM Countryside
ORMRS - ORM Rural Settlement

0 200 400 600 800 m

1:12,500



Schedule A Zoning By-law

Township of Cavan Monaghan
Zoning By-law No. 2018-58

Map E-2

October 1, 2018

7.0 Agricultural and Rural Zones

7.1 List of Applicable Zones

Agriculture	A
Rural	RU

7.2 Permitted Uses

Uses permitted in an Agricultural or Rural Zone are denoted by the symbol '✓' in the column applicable to the Zone and corresponding with the row for a specific permitted use in Table 7A. A number(s) following the symbol '✓' or identified permitted use indicates that one or more special provisions apply, which are listed below Table 7A.

Notwithstanding the permitted uses and applicable regulations of this section, permitted uses may be restricted by General Provisions (Section 11) and Parking and Loading Regulations (Section 12).

Table 7A Agricultural and Rural Zones – Permitted Uses

Use	A	RU
Accessory apartment	✓	✓
Agricultural uses	✓	✓
Agriculture-related uses	✓	✓
Agricultural service and supply establishment	✓	✓
Agri-tourism use	✓ (1)	✓ (1)
Bed and breakfast	✓	✓
Conservation use	✓	✓
Dwelling, single detached	✓	✓
Farm business	✓ (1)	✓ (1)
Farm greenhouse	✓	✓
Farm produce sales outlet	✓	✓
Farmer's market	✓	✓
Home business	✓	✓
Home industry	✓	✓

Table 7A Agricultural and Rural Zones – Permitted Uses		
Use	**A**	**RU**
Low intensity recreational uses	✓	✓
On-farm diversified uses	✓(1)	✓(1)
Riding arena, private indoor	✓	✓
Riding school or boarding stable	✓	✓
Wayside pits and quarries	✓	✓

Table 7A Additional Regulations:

(1) The following regulations apply to on-farm diversified uses, farm businesses and agri-tourism uses:

a) An on-farm diversified use, farm business or agri-tourism use may be located on a lot having a minimum lot area of 4.0 hectares and containing a permitted agricultural use and associated single detached dwelling, where the specific type of use is permitted by the applicable Zone.

b) A maximum of three on-farm diversified use, farm businesses and/or agri-tourism uses shall be permitted on a lot.

c) On-farm diversified uses, farm businesses and agri-tourism uses shall not exceed the following size limits:

(i) The area of the lot permanently, temporarily or seasonally devoted to on-farm diversified uses, farm businesses or agri-tourism uses shall not exceed the lesser of two percent of the lot area or one hectare, including the area of existing and new buildings and structures, required parking and loading areas, outside display and sales areas, outside storage areas, and any other areas of the lot used for the use, excluding existing driveways shared with a permitted principal use on the lot and areas that produce a harvestable crop; and,

(ii) The total gross floor area that is permanently, temporarily or seasonally devoted to on-farm diversified uses, farm businesses or agri-tourism uses shall not exceed 500 square metres including the gross floor areas used within all principal buildings or structures and accessory buildings or structures on the lot; and,

(iii) Accessory buildings or structures that are used for on-farm diversified uses, farm businesses or agri-tourism uses shall comply with the requirements of Section 11.4; and,

8.0 Natural System Zones

8.1 List of Applicable Zones

Natural Core	NC
Natural Linkage	NL

8.2 Permitted Uses

Uses permitted are denoted by the symbol '✓' in the column applicable to the Zone and corresponding with the row for a specific permitted use in Table 8A. A number(s) following the symbol '✓' or identified permitted use indicates that one or more special provisions apply, which are listed below Table 8A.

Notwithstanding the permitted uses and applicable regulations of this section, permitted uses may be restricted by General Provisions (Section 11) and Parking and Loading Regulations (Section 12).

Table 8A Natural Core and Natural Linkage Zones – Permitted Uses

Use	NC	NL
Agricultural uses	✓ (1)	✓ (3)
Agriculture-related uses		
Agri-tourism use		
Bed and breakfast establishment		
Conservation use	✓	
Dwelling, single detached	✓ (2)(4)	✓ (2)(3)(4)
Forest management	✓	✓ (3)
Home business	✓	
Home industry		
Low intensity recreational uses	✓	

Table 8A Additional Regulations:

(1) Existing agricultural uses only.

(2) Permitted on existing lot of record if it is demonstrated through an approved Environmental Impact Study or confirmation from the Conservation Authority having jurisdiction that:

a) There is no alternative and the expansion, alteration or establishment is directed away from the feature to the maximum extent possible;

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*787 & 825 Fallis Line, Millbrook, Ontario* *787 & 825 Fallis Line* *Millbrook ON L0A 1G0*
Project No:	*11224019-01*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21020900490*
Requested by:	*GHD Limited*
Date Completed:	*February 12, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*787 & 825 Fallis Line, Millbrook, Ontario* *787 & 825 Fallis Line Millbrook ON L0A 1G0*
Project No:	*11224019-01*

Order Information:

Order No:	*21020900490*
Date Requested:	*February 9, 2021*
Requested by:	*GHD Limited*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	1	2
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	1	1	2
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	5	17	22
	Total:		7	23	30

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 10 con 5 ON ***Well ID:*** 1900379	WNW/0.0	-4.94	16
1	WWIS		lot 11 con 5 ON ***Well ID:*** 5108563	NE/0.0	-4.94	18
1	WWIS		lot 10 con 5 ON ***Well ID:*** 1900377	WNW/0.0	-4.94	21
1	WWIS		lot 11 con 5 ON ***Well ID:*** 5115005	SSE/0.0	-4.94	24
1	INC		825 Fallis Line, Peterborough ON	N/0.0	-4.94	27
1	EHS		825 Fallis Line Cavan-Monaghan ON L0A1G0	N/0.0	-4.94	28
1	WWIS		ON ***Well ID:*** 7297869	N/0.0	-4.94	28

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		TURNER ST lot 11 con 5 MILLBROOK ON ***Well ID:*** 7327635	SSE/32.7	-14.91	29
3	WWIS		lot 11 con 6 ON ***Well ID:*** 1904254	NW/34.1	0.78	32
4	WWIS		lot 10 con 5 ON ***Well ID:*** 1904123	WNW/68.0	6.46	35
5	WWIS		lot 10 con 5 ON ***Well ID:*** 5108567	WNW/125.0	6.74	38
6	WWIS		ON ***Well ID:*** 1902396	ESE/152.1	-29.81	41
7	WWIS		879 FALLIS LINE lot 12 con 5 MILLBROOK ON ***Well ID:*** 7311533	NE/165.3	-3.94	44
8	WWIS		TURNER ST lot 11 con 5 MILLBROOK ON ***Well ID:*** 7327634	S/175.6	-4.94	46
9	WWIS		lot 10 con 6 ON ***Well ID:*** 1900415	WNW/191.6	1.22	49
10	WWIS		lot 11 con 5 ON ***Well ID:*** 1902527	SSE/202.6	-15.55	52
11	WWIS		TURNER ST MILLBROOK ON ***Well ID:*** 7327636	S/217.9	-8.58	59
12	WWIS		ON ***Well ID:*** 1902395	ESE/221.1	-30.25	62
13	SPL	Enbridge Gas Distribution Inc.	60 King Street West, Millbrook Cavan Monaghan ON	SSE/225.3	-24.94	64

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	PINC	PIPELINE HIT 0.5"	60 KING ST W,,MILLBROOK,ON,L0A 1G0, CA ON	SSE/225.3	-24.94	65
14	WWIS		ON ***Well ID:*** 1902398	SSE/237.7	-27.04	65
15	WWIS		ON ***Well ID:*** 5108215	SSE/242.4	-23.93	69
15	WWIS		ON ***Well ID:*** 5108216	SSE/242.4	-23.93	72
15	WWIS		ON ***Well ID:*** 5108279	SSE/242.4	-23.93	75
15	WWIS		ON ***Well ID:*** 5108280	SSE/242.4	-23.93	80
16	EASR	1731341 ONTARIO LTD.	893 FALLIS LINE MILLBROOK ON L0A 1G0	NE/243.2	-2.94	84
17	WWIS		lot 11 con 5 ON ***Well ID:*** 1902529	SSE/244.4	-19.94	84
18	SPL	Homeowner<UNOFFICIAL>	9 Turner Street Cavan-Millbrook-North Monaghan ON	S/245.3	-7.27	88
18	INC		9 TURNER STREET, MILLBROOK ON	S/245.3	-7.27	88
19	EHS		893 Fallis Line Cavan Monaghan ON L0A1G0	ENE/247.0	-10.89	89

Executive Summary: Summary By Data Source

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Dec 31, 2020 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
1731341 ONTARIO LTD.	893 FALLIS LINE MILLBROOK ON L0A 1G0	243.2	16

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	825 Fallis Line Cavan-Monaghan ON L0A1G0	0.0	1
	893 Fallis Line Cavan Monaghan ON L0A1G0	247.0	19

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Jul 31, 2020 has found that there are 2 INC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	825 Fallis Line, Peterborough ON	0.0	1
	9 TURNER STREET, MILLBROOK ON	245.3	18

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
PIPELINE HIT 0.5"	60 KING ST W,,MILLBROOK,ON,L0A 1G0, CA ON	225.3	13

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	60 King Street West, Millbrook Cavan Monaghan ON	225.3	13
Homeowner<UNOFFICIAL>	9 Turner Street Cavan-Millbrook-North Monaghan ON	245.3	18

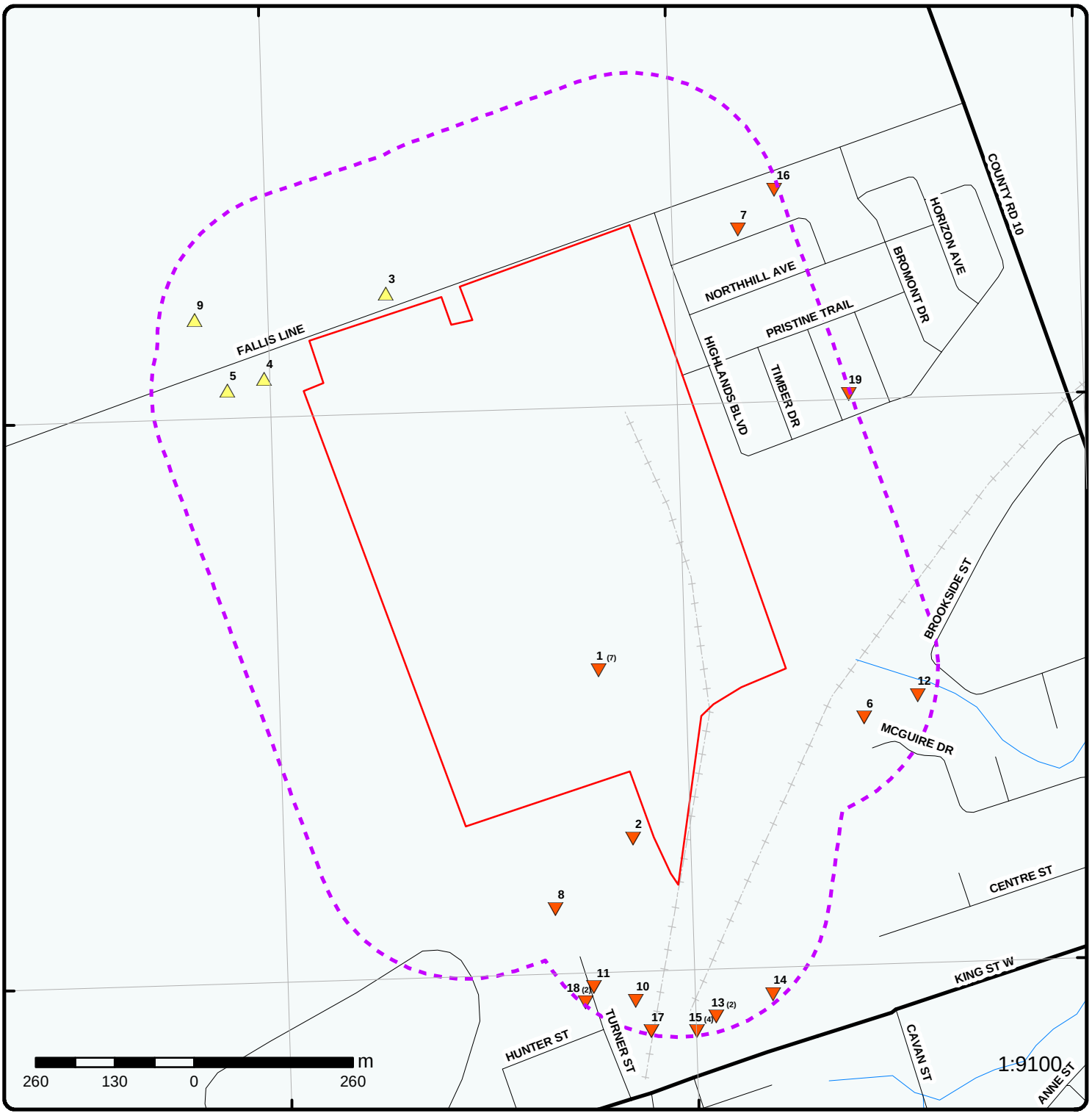
WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 22 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 7297869	0.0	1
	lot 11 con 5 ON ***Well ID:*** 5115005	0.0	1
	lot 10 con 5 ON ***Well ID:*** 1900377	0.0	1
	lot 10 con 5 ON ***Well ID:*** 1900379	0.0	1

Site	Address	Distance (m)	Map Key
	lot 11 con 5 ON ***Well ID:*** 5108563	0.0	1
	TURNER ST lot 11 con 5 MILLBROOK ON ***Well ID:*** 7327635	32.7	2
	lot 11 con 6 ON ***Well ID:*** 1904254	34.1	3
	lot 10 con 5 ON ***Well ID:*** 1904123	68.0	4
	lot 10 con 5 ON ***Well ID:*** 5108567	125.0	5
	ON ***Well ID:*** 1902396	152.1	6
	879 FALLIS LINE lot 12 con 5 MILLBROOK ON ***Well ID:*** 7311533	165.3	7
	TURNER ST lot 11 con 5 MILLBROOK ON ***Well ID:*** 7327634	175.6	8
	lot 10 con 6 ON ***Well ID:*** 1900415	191.6	9
	lot 11 con 5 ON ***Well ID:*** 1902527	202.6	10
	TURNER ST MILLBROOK ON ***Well ID:*** 7327636	217.9	11
	ON	221.1	12

Site	Address	Distance (m)	Map Key
	Well ID: 1902395		
	ON ***Well ID:*** 1902398	237.7	14
	ON ***Well ID:*** 5108215	242.4	15
	ON ***Well ID:*** 5108216	242.4	15
	ON ***Well ID:*** 5108279	242.4	15
	ON ***Well ID:*** 5108280	242.4	15
	lot 11 con 5 ON ***Well ID:*** 1902529	244.4	17



Map : 0.25 Kilometer Radius

Order Number: 21020900490

Address: 787 & 825 Fallis Line, Millbrook, 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.

78°27'W

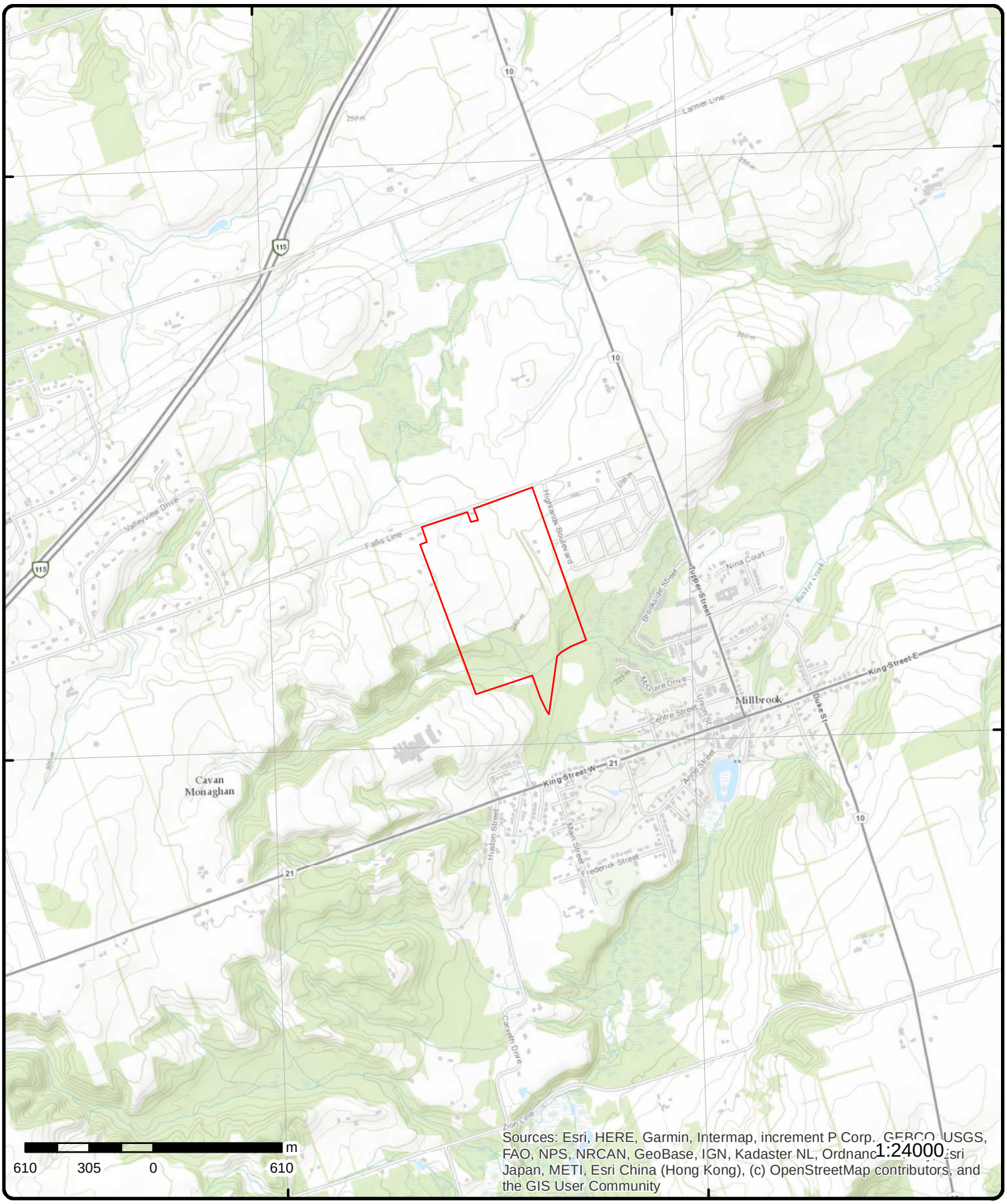
Aerial **Year: 2015**

Order Number: 21020900490

Address: 787 & 825 Fallis Line, Millbrook, ON

Source: ESRI World Imagery

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 787 & 825 Fallis Line, ON

Source: ESRI World Topographic Map

Order Number: 21020900490

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 7	WNW/0.0	249.8 / -4.94	lot 10 con 5 ON	WWIS

Well ID:	1900379	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	9/8/1964
Sec. Water Use:	Domestic	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1415
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	CAVAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1900379.pdf

Bore Hole Information

Bore Hole ID:	10069447	**Elevation:**	261.438262
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	702667.2
Code OB Desc:	Overburden	**North83:**	4892632
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/12/1964	**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:	931136929
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 104
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931136928
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931136930
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 104
Formation End Depth: 105
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961900379
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10618017
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930126681
Layer: 1
Material: 1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	100
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991900379
Pump Set At:	
Static Level:	50
Final Level After Pumping:	60
Recommended Pump Depth:	95
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933510921
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105
Water Found Depth UOM:	ft

---

1 ***2 of 7*** ***NE/0.0*** ***249.8 / -4.94*** ***lot 11 con 5 ON*** ***WWIS***

Well ID:	5108563	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/31/1977
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1904
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/510\5108563.pdf

Bore Hole Information

Bore Hole ID:	10336694	***Elevation:***	251.058624
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	703215.2
Code OB Desc:	Overburden	***North83:***	4892623
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/29/1976	***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:	932118782
Layer:	3
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	45
Formation End Depth:	48
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932118780
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	65
Mat2 Desc:	DARK-COLOURED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932118783
Layer:	4
Color:	
General Color:	
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	29
Mat2 Desc:	FINE GRAVEL

Mat3:
Mat3 Desc:
Formation Top Depth: 48
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118781
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 45
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965108563
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10885264
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930556708
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 61
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933361220
Layer: 1
Slot: 018
Screen Top Depth: 61
Screen End Depth: 65
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID:	995108563
Pump Set At:	
Static Level:	32
Final Level After Pumping:	53
Recommended Pump Depth:	60
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	12
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933811361
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	61
Water Found Depth UOM:	ft

---

1 | ***3 of 7*** | ***WNW/0.0*** | ***249.8 / -4.94*** | ***lot 10 con 5 ON*** | ***WWIS***

Well ID:	1900377	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Livestock	***Date Received:***	1/22/1952
Sec. Water Use:	Domestic	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2116
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1900377.pdf

Bore Hole Information

Bore Hole ID:	10069445	***Elevation:***	261.628326
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	702673.2
Code OB Desc:	Overburden	***North83:***	4892611

Open Hole:
Cluster Kind:
Date Completed: 10/19/1951
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931136921
Layer: 4
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 120
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931136920
Layer: 3
Color:
General Color:
Mat1: 10
Most Common Material: COARSE SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 07
Mat3 Desc: QUICKSAND
Formation Top Depth: 60
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931136919
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 40
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931136918
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961900377
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10618015
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930126678
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	125
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991900377
Pump Set At:	
Static Level:	60
Final Level After Pumping:	90
Recommended Pump Depth:	
Pumping Rate:	8
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:	3
Pumping Duration MIN:	0
Flowing:	No

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

Water Details

Water ID:	933510918
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Water Details

Water ID:	933510919
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft

---

1 | ***4 of 7*** | ***SSE/0.0*** | ***249.8 / -4.94*** | ***lot 11 con 5 ON*** | ***WWIS***

Well ID:	5115005	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/10/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4332
Casing Material:		***Form Version:***	1
Audit No:	76225	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/511\5115005.pdf

Bore Hole Information

Bore Hole ID:	10343049	***Elevation:***	246.834945
DP2BR:	1	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	h	***East83:***	703104.2
Code OB Desc:	Mixed in a Layer	***North83:***	4892165
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/13/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932141960
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:	932141961
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932141963
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	76
Formation End Depth:	105
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932141962
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY

Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 76
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933173407
Layer: 1
Plug From: 0
Plug To: 15
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965115005
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10891619
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930563972
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 43
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930563973
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 105
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933361657
Layer: 1
Slot:

Screen Top Depth:	36
Screen End Depth:	103
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	5

Results of Well Yield Testing

Pump Test ID:	995115005
Pump Set At:	
Static Level:	
Final Level After Pumping:	30
Recommended Pump Depth:	2
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934267701
Test Type:	Recovery
Test Duration:	15
Test Level:	10
Test Level UOM:	ft

Water Details

Water ID:	933818539
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47
Water Found Depth UOM:	ft

Water Details

Water ID:	933818540
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	5 of 7	N/0.0	249.8 / -4.94	825 Fallis Line, Peterborough ON	INC

Incident No:	362148	***Any Health Impact:***	No
Incident ID:	2513700	***Any Enviro Impact:***	No
Instance No:		***Service Interrupted:***	No
Status Code:	Causal Analysis Complete	***Was Prop Damaged:***	No
Attribute Category:	FS-Perform L1 Incident Insp	***Reside App. Type:***	
Context:		***Commer App. Type:***	

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

Date of Occurrence:	2010/04/11 00:00:00	**Indus App. Type:**	
Time of Occurrence:	12:00:00	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2010/04/12 00:00:00	**Pipeline Type:**	
Approx Quant Rel:	2 Liters	**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	Leak	**Depth Ground Cover:**	
Fuel Type Involved:	Fuel Oil	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	2843060	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:	No	**Serial No:**	
Sub Surface Contam.:	zero	**Cylinder Capacity:**	
Aff Prop Use Water:	No	**Cylinder Cap Units:**	
Contam. Migrated:	No	**Cylinder Mat Type:**	
Contact Natural Env:	No	**Near Body of Water:**	No
Incident Location:	825 Fallis Line, Peterborough - Leak		
Occurence Narrative:	oil leak from pump seal		
Operation Type Involved:	Private Dwelling		
Item:			
Item Description:			
Device Installed Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	6 of 7	N/0.0	249.8 / -4.94	825 Fallis Line Cavan-Monaghan ON L0A1G0	EHS

Order No:	20170511067	**Nearest Intersection:**	
Status:	C	**Municipality:**	Cavan Monaghan
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	17-MAY-17	**Search Radius (km):**	0
Date Received:	11-MAY-17	**X:**	-78.459813
Previous Site Name:		**Y:**	44.157677
Lot/Building Size:	25 Hectare		
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	7 of 7	N/0.0	249.8 / -4.94	ON	WWIS

Well ID:	7297869	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	10/23/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7464
Casing Material:		**Form Version:**	8
Audit No:	C38737	**Owner:**	
Tag:	A231688	**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	CAVAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	

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

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:	1006776221	**Elevation:**	249.349578
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	703036
Code OB Desc:		**North83:**	4892680
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/22/2017	**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:			

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2 | ***1 of 1*** | ***SSE/32.7*** | ***239.9 / -14.91*** | ***TURNER ST lot 11 con 5 MILLBROOK ON*** | ***WWIS***

Well ID:	7327635	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	1/24/2019
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	7654
Casing Material:		**Form Version:**	7
Audit No:	Z293833	**Owner:**	
Tag:	A253289	**Street Name:**	TURNER ST
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	CAVAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007364148	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	703160
Code OB Desc:		**North83:**	4891889
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:

Overburden and Bedrock Materials Interval

Formation ID: 1007630857
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 5
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007630856
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 1
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007630855
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3: 02
Mat3 Desc: TOPSOIL
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630858
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	10
Mat2 Desc:	COARSE SAND
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007630866
Layer:	1
Plug From:	0
Plug To:	9
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007630865
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007630854
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007630861
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007630862
Layer:	1
Slot:	10
Screen Top Depth:	10
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

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

Water Details

Water ID:	1007630860
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007630859
Diameter:	6
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	NW/34.1	255.6 / 0.78	lot 11 con 6 ON	WWIS

Well ID:	1904254	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/16/1975
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4635
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	06
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1904254.pdf

Bore Hole Information

Bore Hole ID:	10073241	***Elevation:***	256.158508
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	702755.2
Code OB Desc:	Overburden	***North83:***	4892783
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/17/1975	***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:	931152585
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	33
Formation End Depth:	41
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931152584
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	33
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931152583
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:	931152586
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 41
Formation End Depth: 56
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961904254
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10621811
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930130894
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 56
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933329340
Layer: 1
Slot: 010
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 991904254
Pump Set At:
Static Level: 6
Final Level After Pumping: 28
Recommended Pump Depth:
Pumping Rate: 5
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: 2
Pumping Duration HR: 3
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID:	933514896
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

4	1 of 1	WNW/68.0	261.2 / 6.46	lot 10 con 5 ON	WWIS

Well ID:	1904123	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/5/1975
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2104
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1904123.pdf

Bore Hole Information

Bore Hole ID:	10073130	***Elevation:***	263.202026
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	702555.2
Code OB Desc:	Overburden	***North83:***	4892643
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	4/29/1975	***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:	931152142
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	11

Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	68
Mat3 Desc:	DRY
Formation Top Depth:	15
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931152141
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931152143
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	55
Formation End Depth:	59
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961904123
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10621700
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930130772
Layer:	1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 61
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991904123
Pump Set At:
Static Level: 45
Final Level After Pumping: 50
Recommended Pump Depth: 55
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 4
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934123651
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934925446
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934406719
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934666689
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Water Details

Water ID:	933514779
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

5 **1 of 1** **WNW/125.0** **261.5 / 6.74** **lot 10 con 5 ON** **WWIS**

Well ID:	5108567	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/31/1977
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1904
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	CAVAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/510\5108567.pdf

Bore Hole Information

Bore Hole ID:	10336698	**Elevation:**	263.844726
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	702495.2
Code OB Desc:	Overburden	**North83:**	4892623
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/14/1976	**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:	932118799
Layer:	3
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118803
Layer: 7
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 90
Formation End Depth: 93
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118797
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 65
Mat2 Desc: DARK-COLOURED
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118800
Layer: 4
Color:
General Color:
Mat1: 29
Most Common Material: FINE GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 70
Formation End Depth: 72
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118801
Layer: 5
Color:

General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 72
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118802
Layer: 6
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 08
Mat3 Desc: FINE SAND
Formation Top Depth: 83
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932118798
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 08
Mat3 Desc: FINE SAND
Formation Top Depth: 1
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965108567
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10885268
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930556714
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	93
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	995108567
Pump Set At:	
Static Level:	50
Final Level After Pumping:	52
Recommended Pump Depth:	70
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	12
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933811365
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

6 ***1 of 1*** ***ESE/152.1*** ***225.0 / -29.81*** ***ON*** ***WWIS***

Well ID:	1902396	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Public	***Date Received:***	8/24/1955
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2415
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	MILLBROOKE VILLAGE
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/190\1902396.pdf

Bore Hole Information

Bore Hole ID:	10071458	***Elevation:***	228.398452
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	703539.2
Code OB Desc:	Overburden	***North83:***	4892087
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/15/1955	***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:	931145256
Layer:	2
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	85
Formation End Depth:	180
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145257
Layer:	3
Color:	
General Color:	
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	180
Formation End Depth:	205
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145255
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS

Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 0
Formation End Depth: 85
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961902396
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10620028
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930128937
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 200
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933328995
Layer: 1
Slot:
Screen Top Depth: 200
Screen End Depth: 205
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 991902396
Pump Set At:
Static Level: 94
Final Level After Pumping: 100
Recommended Pump Depth:
Pumping Rate: 6
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: 8
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933512942
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 94
Water Found Depth UOM: ft

---

7 | **1 of 1** | **NE/165.3** | **250.8 / -3.94** | **879 FALLIS LINE lot 12 con 5 MILLBROOK ON** | **WWIS**

Well ID: 7311533
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Livestock
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z277113
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:
Date Received: 5/25/2018
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7067
Form Version: 7
Owner:
Street Name: 879 FALLIS LINE
County: PETERBOROUGH
Municipality: CAVAN TOWNSHIP
Site Info:
Lot: 012
Concession: 05
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1007060253
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 3/26/2018
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 703332
North83: 4892888
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1007277973
Layer: 2

Plug From: 6
Plug To: 53
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007277972
Layer: 1
Plug From: 0
Plug To: 6
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007277971
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1007277962
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007277967
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 53
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007277968
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1007277963
Pump Set At:
Static Level: 43
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:

Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1007277966
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007277965
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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8 | **1 of 1** | **S/175.6** | **249.8 / -4.94** | **TURNER ST lot 11 con 5 MILLBROOK ON** | **WWIS**

Well ID: 7327634
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z293832
Tag: A253290
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:

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 1/24/2019
Selected Flag: Yes
Abandonment Rec:
Contractor: 7654
Form Version: 7
Owner:
Street Name: TURNER ST
County: PETERBOROUGH
Municipality: CAVAN TOWNSHIP
Site Info:
Lot: 011
Concession: 05
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1007364145
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:

Elevation:
Elevrc:
Zone: 17
East83: 703033
North83: 4891773
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:			

Overburden and Bedrock Materials Interval

Formation ID:	1007630833
Layer:	5
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	20
Formation End Depth:	27.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630832
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	10
Mat2 Desc:	COARSE SAND
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	10
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630831
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	81
Mat3 Desc:	SANDY
Formation Top Depth:	5
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	1007630829
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	02
Mat3 Desc:	TOPSOIL
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630830
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	1
Formation End Depth:	5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007630841
Layer:	1
Plug From:	0
Plug To:	21
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007630840
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007630828
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007630836
Layer:	1
Material:	5

Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	22.5
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007630837
Layer:	1
Slot:	10
Screen Top Depth:	22.5
Screen End Depth:	27.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Water Details

Water ID:	1007630835
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	22
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007630834
Diameter:	6
Depth From:	0
Depth To:	27.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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9 | **1 of 1** | **WNW/191.6** | **256.0 / 1.22** | **lot 10 con 6 ON** | **WWIS**

Well ID:	1900415	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	9/25/1961
Sec. Water Use:	Domestic	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5422
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	CAVAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	06
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1900415.pdf

Bore Hole Information

Bore Hole ID:	10069483	***Elevation:***	256.917846
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	702441.2
Code OB Desc:	Overburden	***North83:***	4892740
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	5/5/1961	***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:	931137081
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931137078
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931137080
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931137079
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 14
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931137082
Layer: 5
Color: 6
General Color: BROWN
Mat1: 10
Most Common Material: COARSE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 120
Formation End Depth: 123
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961900415
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10618053
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930126720
Layer: 1
Material: 1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	123
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991900415
Pump Set At:	
Static Level:	60
Final Level After Pumping:	90
Recommended Pump Depth:	100
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933510956
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120
Water Found Depth UOM:	ft

10 | ***1 of 1*** | ***SSE/202.6*** | ***239.2 / -15.55*** | ***lot 11 con 5 ON*** | ***WWIS***

Well ID:	1902527	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/16/1968
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2801
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	CAVAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902527.pdf

Bore Hole Information

Bore Hole ID:	10071589	**Elevation:**	236.503784
DP2BR:	160	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	h	**East83:**	703165.2
Code OB Desc:	Mixed in a Layer	**North83:**	4891623
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	2/14/1968	**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:	931145756
Layer:	14
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	120
Formation End Depth:	125
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145755
Layer:	13
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	118
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145759
Layer:	17
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	

Mat3 Desc:
Formation Top Depth: 157
Formation End Depth: 160
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145761
Layer: 19
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 162
Formation End Depth: 164
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145743
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: 931145749
Layer: 7
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 73
Formation End Depth: 81
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145744
Layer: 2
Color:

General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 11
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145757
Layer: 15
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 125
Formation End Depth: 146
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145758
Layer: 16
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 146
Formation End Depth: 157
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145753
Layer: 11
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 06
Mat3 Desc: SILT
Formation Top Depth: 102
Formation End Depth: 107
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931145745
Layer:	3
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145750
Layer:	8
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	81
Formation End Depth:	91
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145752
Layer:	10
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	95
Formation End Depth:	102
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145747
Layer:	5
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	

Mat3 Desc:
Formation Top Depth: 46
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145748
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 09
Mat3 Desc: MEDIUM SAND
Formation Top Depth: 63
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145751
Layer: 9
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 91
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145746
Layer: 4
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 45
Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145760
Layer: 18
Color:

General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	160
Formation End Depth:	162
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145754
Layer:	12
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	107
Formation End Depth:	118
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961902527
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10620159
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930129100
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991902527
Pump Set At:	
Static Level:	-23
Final Level After Pumping:	-15
Recommended Pump Depth:	

Pumping Rate:	31
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:	8
Pumping Duration MIN:	0
Flowing:	Yes

Water Details

Water ID:	933513080
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73
Water Found Depth UOM:	ft

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11 ***1 of 1*** ***S/217.9*** ***246.2 / -8.58*** ***TURNER ST MILLBROOK ON*** ***WWIS***

Well ID:	7327636	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	1/24/2019
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	
Water Type:		***Contractor:***	7654
Casing Material:		***Form Version:***	7
Audit No:	Z293831	***Owner:***	
Tag:	A253291	***Street Name:***	TURNER ST
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	MILLBROOKE VILLAGE
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:	1007364151	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	703096
Code OB Desc:		***North83:***	4891645
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:

Overburden and Bedrock Materials Interval

Formation ID:	1007630892
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	10
Mat2 Desc:	COARSE SAND
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630889
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	02
Mat3 Desc:	TOPSOIL
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630890
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	1
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007630891
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND

Mat2: 06
Mat2 Desc: SILT
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 5
Formation End Depth: 10
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007630900
Layer: 1
Plug From: 0
Plug To: 9
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007630899
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1007630888
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007630895
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007630896
Layer: 1
Slot: 10
Screen Top Depth: 10
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Water Details

Water ID: 1007630894
Layer: 1
Kind Code: 8

Kind: Untested
Water Found Depth: 10
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007630893
Diameter: 6
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

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12 | 1 of 1 | ESE/221.1 | 224.5 / -30.25 | ON | WWIS

Well ID: 1902395
Construction Date:
Primary Water Use: Public
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/24/1955
Selected Flag: Yes
Abandonment Rec:
Contractor: 2415
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: MILLBROOKE VILLAGE
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902395.pdf

Bore Hole Information

Bore Hole ID: 10071457
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 7/14/1955
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 222.66455
Elevrc:
Zone: 17
East83: 703627.2
North83: 4892124
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931145254
Layer: 3

Color:
General Color:
Mat1: 10
Most Common Material: COARSE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 115
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145253
Layer: 2
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 80
Formation End Depth: 115
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145252
Layer: 1
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 0
Formation End Depth: 80
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961902395
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10620027
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930128936
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	135
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933328994
Layer:	1
Slot:	
Screen Top Depth:	135
Screen End Depth:	140
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	4

Results of Well Yield Testing

Pump Test ID:	991902395
Pump Set At:	
Static Level:	96
Final Level After Pumping:	100
Recommended Pump Depth:	
Pumping Rate:	6
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:	8
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933512941
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	96
Water Found Depth UOM:	ft

13 ***1 of 2*** ***SSE/225.3*** ***229.8 / -24.94*** ***Enbridge Gas Distribution Inc.*** ***SPL***
60 King Street West, Millbrook
Cavan Monaghan ON

Ref No:	4671-ASGSBE	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2017/10/25	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Unknown / N/A
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	

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

Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	60 King Street West, Millbrook
Contaminant Limit 1:		**Site District Office:**	Peterborough
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	1075	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Cavan Monaghan
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	4891607.45
MOE Response:	No	**Easting:**	703304.13
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2017/10/25	**Site Map Datum:**	
Dt Document Closed:	2017/12/16	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	Private residence<UNOFFICIAL>		
Site County/District:	County of Peterborough		
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB; ½ pl IP service line damage; made safe		
Contaminant Qty:	0 other - see incident description		

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13 | ***2 of 2*** | ***SSE/225.3*** | ***229.8 / -24.94*** | ***PIPELINE HIT 0.5"*** ***60 KING ST W,,MILLBROOK,ON,L0A 1G0,CA*** ***ON*** | ***PINC***

Incident ID:		**Fuel Category:**	
Incident No:	2180462	**Health Impact:**	
Incident Reported Dt:	10/26/2017	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	
Status Code:		**Service Interupt:**	
Customer Acct Name:	PIPELINE HIT 0.5"	**Enforce Policy:**	
Incident Address:	60 KING ST W,,MILLBROOK,ON,L0A 1G0,CA	**Public Relation:**	
Tank Status:	Pipeline Damage Reason Est	**Pipeline System:**	
Task No:		**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Fuel Type:		**PSIG:**	
Fuel Occurrence Tp:		**Attribute Category:**	
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Dt:		**Method Details:**	
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

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14 | ***1 of 1*** | ***SSE/237.7*** | ***227.7 / -27.04*** | ***ON*** | ***WWIS***

Well ID:	1902398	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Public	**Date Received:**	8/8/1955
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2415
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	MILLBROOKE VILLAGE

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/190\1902398.pdf

Bore Hole Information

Bore Hole ID:	10071460	**Elevation:**	228.695541
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	703390.2
Code OB Desc:	Overburden	**North83:**	4891634
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/15/1955	**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:	931145266
Layer:	6
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	50
Formation End Depth:	61
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145268
Layer:	8
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	73
Formation End Depth:	78
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145265
Layer:	5
Color:	
General Color:	
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145261
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
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:	931145263
Layer:	3
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145264
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145262
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145267
Layer: 7
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61
Formation End Depth: 73
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961902398
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10620030
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930128939
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:	
Depth To:	64
Casing Diameter:	22
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933328997
Layer:	1
Slot:	
Screen Top Depth:	64
Screen End Depth:	74
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	12

Results of Well Yield Testing

Pump Test ID:	991902398
Pump Set At:	
Static Level:	6
Final Level After Pumping:	62
Recommended Pump Depth:	
Pumping Rate:	280
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:	40
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933512944
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

15 ***1 of 4*** ***SSE/242.4*** ***230.8 / -23.93*** ***ON*** ***WWIS***

Well ID:	5108215	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Municipal	**Date Received:**	10/6/1976
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2517
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	MILLBROOKE VILLAGE
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/510\5108215.pdf

Bore Hole Information

Bore Hole ID:	10336349	**Elevation:**	231.976364
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	703265.2
Code OB Desc:	Overburden	**North83:**	4891573
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/1/1976	**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:	932117650
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	28
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117651
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	55
Formation End Depth:	105
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117649
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	28
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965108215
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10884919
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930556316
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90
Casing Diameter:	10
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933361199
Layer:	1
Slot:	060
Screen Top Depth:	86
Screen End Depth:	101
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	10

Results of Well Yield Testing

Pump Test ID:	995108215
Pump Set At:	
Static Level:	-16
Final Level After Pumping:	

Recommended Pump Depth:	
Pumping Rate:	300
Flowing Rate:	300
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	24
Pumping Duration MIN:	0
Flowing:	Yes

Water Details

Water ID:	933810985
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	30
Water Found Depth UOM:	ft

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15 ***2 of 4*** ***SSE/242.4*** ***230.8 / -23.93*** ***ON*** ***WWIS***

Well ID:	5108216	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Municipal	***Date Received:***	10/6/1976
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2517
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	MILLBROOKE VILLAGE
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/510\5108216.pdf

Bore Hole Information

Bore Hole ID:	10336350	***Elevation:***	231.976364
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	703265.2
Code OB Desc:	Overburden	***North83:***	4891573
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/1/1976	***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:	932117654
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	53
Formation End Depth:	56
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117653
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	30
Formation End Depth:	53
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117656
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	108
Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117652
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05

Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932117655
Layer: 4
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 56
Formation End Depth: 108
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965108216
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10884920
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930556317
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 88
Casing Diameter: 10
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933361200
Layer: 1
Slot: 060
Screen Top Depth: 88
Screen End Depth: 103
Screen Material:
Screen Depth UOM: ft

Screen Diameter UOM:	inch
Screen Diameter:	10

Results of Well Yield Testing

Pump Test ID:	995108216
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	300
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:	24
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933810986
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	30
Water Found Depth UOM:	ft

---

15 | ***3 of 4*** | ***SSE/242.4*** | ***230.8 / -23.93*** | ***ON*** | ***WWIS***

Well ID:	5108279	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	12/10/1976
Sec. Water Use:	Municipal	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	2517
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	MILLBROOKE VILLAGE
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/510\5108279.pdf

Bore Hole Information

Bore Hole ID:	10336413	**Elevation:**	231.976364
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17

Code OB:	o	***East83:***	703265.2
Code OB Desc:	Overburden	***North83:***	4891573
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/1/1976	***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:	932117828
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	36
Formation End Depth:	46
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117830
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60
Formation End Depth:	74
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117831
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	74
Formation End Depth:	78
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117829
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	46
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117826
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	29
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117832
Layer:	7
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	78
Formation End Depth:	111
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932117827
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11

Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	29
Formation End Depth:	36
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933172169
Layer:	1
Plug From:	0
Plug To:	26
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933172170
Layer:	2
Plug From:	26
Plug To:	102
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965108279
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10884983
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930556382
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	26
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930556381
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	25
Casing Diameter:	13

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933361203
Layer: 1
Slot: 035
Screen Top Depth: 103
Screen End Depth: 111
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 995108279
Pump Set At:
Static Level: -16
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 170
Flowing Rate: 170
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 24
Pumping Duration MIN: 0
Flowing: Yes

Water Details

Water ID: 933811051
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 29
Water Found Depth UOM: ft

Water Details

Water ID: 933811052
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 46
Water Found Depth UOM: ft

Water Details

Water ID: 933811050
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 18
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	4 of 4	SSE/242.4	230.8 / -23.93	ON	WWIS

Well ID:	5108280	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	12/10/1976
Sec. Water Use:	Municipal	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	2517
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	MILLBROOKE VILLAGE
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/510\5108280.pdf

Bore Hole Information

Bore Hole ID:	10336414	**Elevation:**	231.976364
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	703265.2
Code OB Desc:	Overburden	**North83:**	4891573
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/1/1976	**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:	932117837
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	51
Formation End Depth:	56
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932117836
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 51
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932117838
Layer: 6
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 56
Formation End Depth: 102
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932117833
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932117834
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 25

Formation End Depth: 29
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932117835
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 29
Formation End Depth: 30
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933172171
Layer: 1
Plug From: 0
Plug To: 26
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933172172
Layer: 2
Plug From: 26
Plug To: 102
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965108280
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10884984
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930556384
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26

Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930556383
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 25
Casing Diameter: 13
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933361204
Layer: 1
Slot: 060
Screen Top Depth: 96
Screen End Depth: 102
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 995108280
Pump Set At:
Static Level: -20
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 150
Flowing Rate: 150
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: Yes

Water Details

Water ID: 933811053
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 25
Water Found Depth UOM: ft

Water Details

Water ID: 933811054
Layer: 2
Kind Code: 1
Kind: FRESH

Water Found Depth: 51
Water Found Depth UOM: ft

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16 | **1 of 1** | **NE/243.2** | **251.8 / -2.94** | **1731341 ONTARIO LTD.**
893 FALLIS LINE
MILLBROOK ON L0A 1G0 | **EASR**

Approval No: R-004-3110512347
Status: REGISTERED
Date: 2018-06-26
Record Type: EASR
Link Source: MOFA
Project Type: Waste Management System
Full Address:
Approval Type: EASR-Waste Management System
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2070007

SWP Area Name: Otonabee-Peterborough
MOE District: Peterborough
Municipality: MILLBROOK
Latitude: 44.16138889
Longitude: -78.45527778
Geometry X:
Geometry Y:

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17 | **1 of 1** | **SSE/244.4** | **234.8 / -19.94** | **lot 11 con 5**
ON | **WWIS**

Well ID: 1902529
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):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/16/1968
Selected Flag: Yes
Abandonment Rec:
Contractor: 2801
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: CAVAN TOWNSHIP
Site Info:
Lot: 011
Concession: 05
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902529.pdf

Bore Hole Information

Bore Hole ID: 10071590
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 2/23/1968
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 233.662338
Elevrc:
Zone: 17
East83: 703190.2
North83: 4891573
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock

Materials Interval

Formation ID:	931145762
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:	931145770
Layer:	9
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	104
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145769
Layer:	8
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	101
Formation End Depth:	104
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931145764
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	

Formation Top Depth: 12
Formation End Depth: 66
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145767
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 78
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145763
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 1
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145766
Layer: 5
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 74
Formation End Depth: 78
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145765
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: 66
Formation End Depth: 74
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931145768
Layer: 7
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 85
Formation End Depth: 101
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961902529
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10620160
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930129101
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991902529
Pump Set At:
Static Level: -23
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:	Yes

Water Details

Water ID:	933513081
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74
Water Found Depth UOM:	ft

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18 | ***1 of 2*** | ***S/245.3*** | ***247.5 / -7.27*** | ***Homeowner<UNOFFICIAL>*** | ***SPL***

9 Turner Street
Cavan-Millbrook-North Monaghan ON

Ref No:	7633-9DNUAJ	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	2013/10/25	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	Tank - Indoors
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	FURNACE OIL	**Site Address:**	9 Turner Street
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:**	Cavan-Millbrook-North Monaghan
Nature of Impact:	Soil Contamination	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2013/11/21	**Site Map Datum:**	
Dt Document Closed:	2014/01/30	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Unknown / N/A	**Source Type:**	
Site Name:	Private Residence<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Furnace Oil, possible spill, not ongng		
Contaminant Qty:	0 other - see incident description		

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18 | ***2 of 2*** | ***S/245.3*** | ***247.5 / -7.27*** | ***9 TURNER STREET, MILLBROOK ON*** | ***INC***

Incident No:	1288872	**Any Health Impact:**	No
Incident ID:		**Any Enviro Impact:**	No
Instance No:		**Service Interrupted:**	No
Status Code:		**Was Prop Damaged:**	No
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2013/11/22 00:00:00	**Indus App. Type:**	
Time of Occurrence:	NULL	**Institut App. Type:**	

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

Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2013/11/22 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	Leak	**Depth Ground Cover:**	
Fuel Type Involved:	Fuel Oil	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	4722728	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	
Incident Location:	9 TURNER STREET, MILLBROOK - LEAK		
Occurence Narrative:	NULL		
Operation Type Involved:	Private Dwelling		
Item:			
Item Description:			
Device Installed Location:			

19	1 of 1	ENE/247.0	243.9 / -10.89	**893 Fallis Line** **Cavan Monaghan ON L0A1G0**	EHS

Order No:	20171208016	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	15-DEC-17	**Search Radius (km):**	.25
Date Received:	08-DEC-17	**X:**	-78.454845
Previous Site Name:		**Y:**	44.158415
Lot/Building Size:			
Additional Info Ordered:			

Unplottable Summary

Total: 15 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
ECA	Towerhill Developments Inc.	SW corner of County Road 10 and Fallis Line	Cavan Monaghan ON	L4K 1W8
ECA	Towerhill Developments Inc.	SW corner of County Road 10 and Fallis Line	Cavan Monaghan ON	L4K 1W8
GEN	ENBRIDGE GAS DISTRIBUTIONI	VARIOUS SITES WITHIN THE MOEE EASTERN REGION	(SEE SCHEDULE "B") ON	M2J 1P8
LIMO	Buckhorn Landfill The Corporation of the Township of Galway-Cavendish-Harvey	Township of Galway-Cavendish and Harvey Part of Lot 11, Concession 6 Peterborough	ON	
LIMO	Haultain Waste Disposal Site The Corporation of the Township of	Burleigh/Ansthruther Township of North Kawartha Lot 11, Concession 6 Peterborough	ON	
PRT	CHAMPLAIN ENERGIES LTD	PRT LOT 10	PETERBOROUGH ON	
SPL	Enbridge Gas Distribution		Peterborough ON	
SPL	Enbridge Gas Distribution Inc.		Peterborough ON	
SPL	Enbridge Gas Distribution Inc.		Peterborough ON	
SPL	Enbridge Gas Distribution Inc.		Peterborough ON	
SPL	Enbridge Gas Distribution Inc.		Peterborough ON	
WWIS		con 6	ON	
WWIS		con 6	ON	
WWIS		lot 12	ON	
WWIS		lot 11	ON	

Unplottable Report

Site: ***Towerhill Developments Inc.***
SW corner of County Road 10 and Fallis Line Cavan Monaghan ON L4K 1W8

Database: ***ECA***

Approval No:	9551-AL6P6H	***MOE District:***	Peterborough
Approval Date:	2017-04-21	***City:***	
Status:	Approved	***Longitude:***	-78.45320000000001
Record Type:	ECA	***Latitude:***	44.156
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Otonabee-Peterborough	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	SW corner of County Road 10 and Fallis Line		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0369-ACVHUJ-14.pdf		

Site: ***Towerhill Developments Inc.***
SW corner of County Road 10 and Fallis Line Cavan Monaghan ON L4K 1W8

Database: ***ECA***

Approval No:	4356-9Z6SZM	***MOE District:***	Peterborough
Approval Date:	2015-08-10	***City:***	
Status:	Approved	***Longitude:***	-78.45320000000001
Record Type:	ECA	***Latitude:***	44.156
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Otonabee-Peterborough	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	SW corner of County Road 10 and Fallis Line		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3248-9YEJWV-14.pdf		

Site: ***ENBRIDGE GAS DISTRIBUTIONI***
VARIOUS SITES WITHIN THE MOEE EASTERN REGION (SEE SCHEDULE "B") ON M2J 1P8

Database: ***GEN***

Generator No:	ONR000504	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2012	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	221210		
SIC Description:	Natural Gas Distribution		

Detail(s)

Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	221
Waste Class Desc:	LIGHT FUELS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	232
Waste Class Desc:	POLYMERIC RESINS

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

Site: ***Buckhorn Landfill The Corporation of the Township of Galway-Cavendish-Harvey Township of Galway-Cavendish and Harvey Part of Lot 11, Concession 6 Peterborough ON***

Database: ***LIMO***

ECA/Instrument No:	A341301	***Natural Attenuation:***	
Oper Status 2016:	Closed	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	
Landfill Gas Mntr:		***TWR Methodology:***	
Leachate Coll Sys:		***TWR Unit:***	
ERC Est Vol (m3):		***Tot Aprv Cap Unit:***	
ERC Volume Unit:		***Financial Assurance:***	
ERC Dt Last Det:		***Last Report Year:***	
Landfill Type:		***MOE Region:***	
Source File Type:		***MOE District:***	
Fill Rate:		***Site County:***	
Fill Rate Unit:		***Lot:***	
Tot Fill Area (ha):		***Concession:***	
Tot Site Area (ha):		***Latitude:***	
Footprint:		***Longitude:***	
Tot Apprv Cap (m3):		***Easting:***	
Contam Atten Zone:		***Northing:***	
Grndwtr Mntr:		***UTM Zone:***	
Surf Wtr Mntr:		***Data Source:***	
Air Emis Monitor:			
Approved Waste Type:			
Client Site Name:			
ERC Methodology:			

Site Name: Buckhorn Landfill
The Corporation of the Township of Galway-Cavendish-Harvey
Township of Galway-Cavendish and Harvey

Site Location Details:
Service Area:
Page URL:

Site: ***Haultain Waste Disposal Site The Corporation of the Township of Burleigh/Ansthruther Township of North Kawartha Lot 11, Concession 6 Peterborough ON***

Database: ***LIMO***

ECA/Instrument No:	A340703	***Natural Attenuation:***	
Oper Status 2016:	Closed	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	

Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site Name: Haultain Waste Disposal Site
The Corporation of the Township of Burleigh/Ansthruther
Township of North Kawartha

Site Location Details:
Service Area:
Page URL:

Site: ***CHAMPLAIN ENERGIES LTD***
PRT LOT 10 PETERBOROUGH ON

Database: ***PRT***

Location ID: 11670
Type: retail
Expiry Date: 1995-07-31
Capacity (L): 10977
Licence #: 0054479001

Site: ***Enbridge Gas Distribution***
Peterborough ON

Database: ***SPL***

Ref No: 6724-993RWG
Site No:
Incident Dt: 27-JUN-13
Year:
Incident Cause: Operator/Human error
Incident Event:
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact: Air Pollution
Receiving Medium:
Receiving Env:
MOE Response: Not MOE mandate
Dt MOE Arvl on Scn:
MOE Reported Dt: 27-JUN-13
Dt Document Closed:

Incident Reason: Operator/Human Error
Site Name: 344 McGill Street<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA: 1/2 inch plastic, made safe
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Pipeline/Components
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Peterborough
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:

Site: ***Enbridge Gas Distribution Inc.***
Peterborough ON

Database: ***SPL***

Ref No:	0175-9MBKZA	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2014/07/24	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	Pipeline/Components
Incident Event:		***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Peterborough
Nature of Impact:	Air Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Referral to others	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2014/07/24	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	***Source Type:***	
Site Name:	596 Park St S <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: 1/2" plastic service damaged		
Contaminant Qty:	0 other - see incident description		

Site: ***Enbridge Gas Distribution Inc.***
Peterborough ON

Database: ***SPL***

Ref No:	2204-ARW4DQ	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2017/10/06	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Unknown / N/A
Incident Event:	Unknown / N/A	***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Peterborough
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:	1075	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Peterborough
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Air	***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2017/10/06	***Site Map Datum:***	
Dt Document Closed:	2017/10/21	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Unknown / N/A	***Source Type:***	Unknown / N/A
Site Name:	939 Southlawn Drive<UNOFFICIAL>		
Site County/District:	County of Peterborough		
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB: half inch P IP safe 939 Southlawn Dr Peterborough		
Contaminant Qty:	0 other - see incident description		

Site: ***Enbridge Gas Distribution Inc.***
Peterborough ON

Database: ***SPL***

Ref No:	7324-9N6H7Y	***Discharger Report:***	

Site No:	NA	***Material Group:***	
Incident Dt:	2014/08/20	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	Pipeline/Components
Incident Event:		***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Peterborough
Nature of Impact:	Air Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Referral to others	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2014/08/20	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	***Source Type:***	
Site Name:	232 Gallagher St<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: line strike 1/2" plastic service.		
Contaminant Qty:	0 other - see incident description		

Site: ***Enbridge Gas Distribution Inc.***
Peterborough ON

Database: ***SPL***

Ref No:	4205-8CVHDK	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	1/7/2011	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge or Emission to Air	***Sector Type:***	Pipeline
Incident Event:		***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***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:***	Peterborough
Nature of Impact:	Air Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	1/7/2011	***Site Map Datum:***	
Dt Document Closed:	2/14/2011	***SAC Action Class:***	TSSA - Fuel Safety Branch
Incident Reason:	Other - Reason not otherwise defined	***Source Type:***	
Site Name:	Private Residence 7716 Hwy 7 Omemee<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB: 1" steel damaged by vehicle, fire		
Contaminant Qty:	0 other - see incident description		

Site:
con 6 ON

Database: ***WWIS***

Well ID:	5117029	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/12/1995
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1921
Casing Material:		***Form Version:***	1
Audit No:	159812	***Owner:***	

Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	06
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10345063	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	3/28/1995	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932149714
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	50
Formation End Depth:	106
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932149715
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	106
Formation End Depth:	107
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932149713
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	50
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933174613
Layer:	1
Plug From:	0
Plug To:	5
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933174614
Layer:	2
Plug From:	5
Plug To:	10
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965117029
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10893633
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930566456
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	107
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 930566455
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 10
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995117029
Pump Set At:
Static Level: 70
Final Level After Pumping: 70
Recommended Pump Depth: 103
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933820852
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 107
Water Found Depth UOM: ft

Water Details

Water ID: 933820851
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100
Water Found Depth UOM: ft

Site:
con 6 ON

Database:
WWIS

Well ID: 5116400
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 105529
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 12/21/1993
Selected Flag: Yes
Abandonment Rec:
Contractor: 1921
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: CAVAN TOWNSHIP
Site Info:
Lot:
Concession: 06
Concession Name: CON
Easting NAD83:

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10344444
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 2/27/1992
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932147318
Layer: 3
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 64
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932147316
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: 932147319
Layer: 4
Color: 6
General Color: BROWN
Mat1: 11

Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 64
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932147317
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 1
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965116400
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10893014
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930565660
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 65
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995116400
Pump Set At:
Static Level: 25
Final Level After Pumping: 35
Recommended Pump Depth: 45
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933820112
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65
Water Found Depth UOM: ft

Site:
lot 12 ON

Database:
WWIS

Well ID: 5113515
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 45609
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: 1/23/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 3129
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: CAVAN TOWNSHIP
Site Info:
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10341561
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 1/6/1989
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932136609
Layer: 4
Color:
General Color:
Mat1: 05

Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932136606
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: 932136607
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932136608
Layer: 3
Color:
General Color:
Mat1: 10
Most Common Material: COARSE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965113515
Method Construction Code: 6

Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10890131
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930562348
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 21
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995113515
Pump Set At:
Static Level: 6
Final Level After Pumping: 13
Recommended Pump Depth: 19
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934262816
Test Type: Draw Down
Test Duration: 15
Test Level: 8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934796205
Test Type: Draw Down
Test Duration: 45
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935053563
Test Type: Draw Down
Test Duration: 60
Test Level: 13
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934534253
Test Type:	Draw Down
Test Duration:	30
Test Level:	10
Test Level UOM:	ft

Water Details

Water ID:	933816950
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	15
Water Found Depth UOM:	ft

Site:
lot 11 ON

Database:
WWIS

Well ID:	5113788	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/6/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3129
Casing Material:		***Form Version:***	1
Audit No:	54785	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	CAVAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10341833	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	3/20/1989	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932137670
Layer:	4

Color:
General Color:
Mat1: 07
Most Common Material: QUICKSAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932137667
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: 932137668
Layer: 2
Color:
General Color:
Mat1: 31
Most Common Material: COARSE GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932137669
Layer: 3
Color:
General Color:
Mat1: 29
Most Common Material: FINE GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965113788
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10890403
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930562645
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 22
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995113788
Pump Set At:
Static Level: 7
Final Level After Pumping: 14
Recommended Pump Depth: 20
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934263875
Test Type:
Test Duration: 15
Test Level: 9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934796837
Test Type:
Test Duration: 45
Test Level: 13
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934535302
Test Type:

Test Duration: 30
Test Level: 11
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935054617
Test Type:
Test Duration: 60
Test Level: 14
Test Level UOM: ft

Water Details

Water ID: 933817253
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 20
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: 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-Dec 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-Dec 31, 2020

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-Dec 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- Dec 31, 2020

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-Jul 31, 2020

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-Jan 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-Sep 30, 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-Dec 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-Dec 31, 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: 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-Dec 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-Nov 2020

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-Dec 31, 2020

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 B
Aerial Photographs

AERIAL PHOTOGRAPHY - 1928

Proposed Residential Development

787 & 825 Fallis Line

Millbrook, Ontario

Scale: Not Available

Source: National Airphoto Lab, dated 1928

11224019-01

March 2021

AERIAL PHOTOGRAPHY - 1960

Proposed Residential Development

787 & 825 Fallis Line

Millbrook, Ontario

Scale: Not Available

Source: National Airphoto Lab, dated 1960

11224019-01
March 2021

AERIAL PHOTOGRAPHY - 1975

Proposed Residential Development

787 & 825 Fallis Line

Millbrook, Ontario

Scale: Not Available

Source: National Airphoto Lab, dated 1975

11224019-01
March 2021

AERIAL PHOTOGRAPHY - 2012

Proposed Residential Development

787 & 825 Fallis Line

Millbrook, Ontario

Scale: Not Available

Source: Google Earth. Image dated 2012. © 2020 Google.

11224019-01
March 2021

AERIAL PHOTOGRAPHY - 2018

Proposed Residential Development

787 & 825 Fallis Line

Millbrook, Ontario

Scale: Not Available

Source: Google Earth. Image dated 2018. © 2020 Google.

11224019-01
March 2021

Appendix C
Property Photographs

Photo 1 - View of residence at 787 Fallis Line.

Photo 2 - View of lots along Fallis Line.

Photo 3 - View across agricultural fields on the Property.

Site Photographs

Photo 4 - View towards newer residential development to the east.

Photo 5 - View of overgrown area historically supporting a railway line.

Photo 6 - View of small cabin structure on the Property.

Site Photographs

Photo 7 - View along historical rail line corridor.

Photo 8 - View of low-lying tributaries of Baxter Creek on the Property.

Photo 9 - View of foundation of previous barn at 787 Fallis Line.

Appendix D
Qualifications of Site Assessors

Nyle McIlveen, P.Eng.

Principal/Senior Engineer

Qualified (Education): B.Sc. (Life Sciences), 1982; B.Sc. (Civil Engineering), 1985. Queen's University.

Connected (professional affiliations): Professional Engineers of Ontario, Qualified Person for Environmental Site Assessments in accordance with Ontario Regulation 153/04

Professional Summary: Nyle has over 30 years of practical hydrogeologic, geotechnical, environmental, and material testing experience throughout Ontario. He is a Principal / senior engineer / hydrogeologist with GHD (formerly Geo-Logic, an affiliate company of Inspec-Sol, Conestoga-Rovers & Associates and GHD group of companies). Nyle has completed a variety of hydrogeological design reports (all phases including investigation, implementation, and report preparation), environmental projects (Phase 1, 2, 3 site assessments and various remedial works) and construction management for large private corporations as well as hydrogeological (water supply) projects for various municipal governments and private/industrial sector clients.

Nyle has accumulated a broad range of expertise from geotechnical and hydrogeological investigations, environmental site assessments to construction materials testing and inspection services. He has acted as a site representative, project coordinator and project manager on numerous development projects throughout Ontario. His experience includes conventional construction projects such as roads, bridges and buildings. In addition, he has worked on several landfill monitoring projects for municipal and private clientele. He has also been involved in tailings management projects at several mining sites in Northern and Southern Ontario, and Saskatchewan.

Nyle has coordinated, supervised and reported on more than 1,000 environmental site assessments (ESAs). He is a Qualified Person (QP) capable of submitting Records of Site Condition (RSC) to the Ministry of the Environment and Climate Change (MOECC). His experience includes over 100 clean-up projects related to petroleum accidents and spills. He is also experienced with Permits to Take Water (PTTW) and has provided expert witness testimony for the Ontario Municipal Board.

Phase One and Two Environmental Site Assessments

Private Companies and Individuals, Financing Institutions, City of Peterborough, City of Toronto, City of Oshawa, City of Pickering, Town of Whitby, City of Kingston, City of Belleville, City of Quinte West, York Region, City of Kawartha Lakes, Renfrew County, Hastings County, Haliburton County, Peterborough County, Northumberland County, Durham Region (1989 – present)

Experience has included all levels of involvement with ESA projects for property owners, purchasers and financial institutions with field and agency data collection and reporting in order to meet with current legislation and guidelines outlined by the Ministry of the Environment (now O. Reg. 153) including client liaison, project management, and submission of Records of Site Condition.

- Meet requirements of financial institutions for financing of industrial, commercial, residential including properties of environmental sensitivity
- Establishing environmental status of properties for owners and prospective purchasers
- Submitting Record of Site Condition to comply with proposed land use changes

Spill Response and Site Remediation

Insurance Agencies, City of Peterborough, City of Toronto, City of Oshawa, CFB Trenton, CFB Petawawa, City of Quinte West, York Region, City of Kawartha Lakes, Renfrew County, Hastings County, Haliburton County, Peterborough County, Northumberland County, Durham Region (1989 – present)

Response to reported spills involving establishing remediation protocol and monitoring, in order to meet with current legislation and guidelines outlined by the Ministry of the Environment and the Technical Standards and Safety Authority Fuels Safety Division.

- Compliance with MOECC or TSSA issued Orders
- Site remediation to meet with MOECC Standards for O. Reg 153 Phase Two ESAs
- Remediation to meet with MOECC Standards related to the removal of underground storage tanks
- Providing interim and final reports to establish environmental status of properties relative to contaminant of concern

Nyle McIlveen, P.Eng.

Principal/Senior Engineer

Hydrogeologic Assessments

Private Companies and Individuals, Peterborough County, Northumberland County, Durham Region, York Region, City of Kawartha Lakes, Simcoe County, Renfrew County, Hastings County, County of Lennox and Addington, Frontenac County, Prince Edward County, Haliburton County, Town of Whitby, City of Quinte West, District of Muskoka, District of Parry Sound, District of Nipissing, Ontario Parks (1989 – present)

Experience has included all levels of involvement with investigations and assessments in areas privately serviced with water wells and septic systems, groundwater monitoring programs, water system design and preparing reports for Regional, Township, MOE and Conservation Authority review.

- Proposed residential developments relative to MOE and Conservation Authority compliance
- Aquifer performance testing and groundwater modeling pertaining to proposed groundwater sources
- Assessment of water treatment systems regulated under the Safe Drinking Water Act
- Septic system assessment and compliance
- Submission of applications for PTTW for large groundwater takings and dewatering activities
- Submission of applications for ECAs pertaining to sewage works and waste disposal sites

Designated Substance Surveys, ACM, Mold and Fungi Inspections

Private Companies, Public Institutions, City of Peterborough, City of Toronto, City of Oshawa, City of Pickering, City of Quinte West, CFB Trenton, York Region, City of Kawartha Lakes, Renfrew County, Haliburton County, Peterborough County, Northumberland County, Durham Region (1989 – present)

Experience has included building inspections and testing including air monitoring and report preparation for industrial, commercial and residential sites.

- Proposed renovation and demolition projects.
- Flood and fire damage assessment.
- Material identification for existing work space conditions.
- Confirmation of remediation or post renovation assessments.

Work history

1989 – 2015	Principal Geo-Logic Inc. Peterborough, ON
2015 – present	Principal GHD Peterborough, ON

Other related areas of interest

Recognized (Certifications/Trainings)

- Registered Engineer in Ontario (PEO)
- Qualified Person for Record of Site Condition
- Member of Canadian Geotechnical Society
- Standard First Aid with CPR Level A, 2013
- WSIB Joint Health and Safety Management Chair and Committee Certified Member, 2006

Robert Neck

Senior Project Manager

Qualified (Education): M.Eng.(Civil Engineering), 2005; B.Sc. (Environmental Science), 1997.

Connected (professional affiliations): Registered Professional Geoscientist (Limited), Association of Professional Geoscientists of Ontario

Professional Summary: Robert undertakes and manages Environmental Site Assessments and Hydrogeological projects including geotechnical assessments, remediation and environmental consultation to facilitate improved outcomes for clients on their projects. Robert utilizes effective and competent communication mechanisms to inform clients regarding project progress, outcomes and manage change management regarding scope and cost. Robert's outputs on projects are invariably well received.

Environmental Site Assessment projects

Project Manager | Various Environmental Site Assessment locations throughout Ontario | 2008 – present

Robert has conducted and managed over 100 ESAs of various properties for due diligence and Record of Site Condition purposes throughout Ontario. His involvement in the projects includes Phase One and Two ESAs conducting site reconnaissance, interviews, records reviews, sampling and analysis planning, coordination of drilling and report preparation.

Robert facilitated liaison with the clients throughout the duration of the projects as well as with various banks, real estate agents, developers and private clients. Also includes interaction with the Ministry of the Environment and Climate Change for Records of Site Condition in the successful completion of these projects.

Hydrogeological and Geotechnical projects

Project Manager| Various locations throughout Ontario | 2008 – present

Robert has been integral in managing hydrogeological and geotechnical projects to assess Permits To Take Water related to construction dewatering, and hydrogeological and geotechnical assessments related to subdivision development (private and municipally serviced) and master environmental servicing plans (MESPs) within the Durham Region.

Robert's involvement includes coordination of team members, and communication of information to City and Conservation Authority staff. He has also coordinated liaison with peer reviewers and other regulatory agencies in the successful completion of these projects.

Remediation projects

Project Manager | Various locations throughout Ontario | 1999 – present

Robert has managed remedial projects that have varied from heating oil spills and gas and service station to large scale industrial site remedial activities. Remediation of contaminants includes metals, petroleum hydrocarbons, chlorinated solvents, and polychlorinated biphenyls including soil, groundwater and sediment media.

Robert's project management duties involve coordination and liaison with numerous regulatory agencies including TSSA, MOECC, MNR, DFO, and Conservation Authorities. Robert has successfully coordinated and managed the clean-up of a number of contaminated sites including those to meet the applicable MOECC Standards for submission of a Record of Site Condition.

Robert's been successful at managing and coordinating numerous teams on projects to meet milestones and goals including the successful management of 40 sub-contractors and over 20,000 hours without a reportable incident to complete the project.

Environmental projects

Project Manager and Staff Scientist | Various locations throughout Ontario | 1998 – 2008

Robert was involved in numerous Phase One and Two ESAs and environmental investigations across Ontario including Moosonee, Sarnia, and Deloro and other provinces and states including Newfoundland and Maine. Has supervised and conducted drilling and test pitting; sampled soil, groundwater, sediment and surface water and was an integral part of consulting teams designed to produce results for various clients.

Robert Neck
Senior Project Manager

Designated Substances Surveys

Project Manager | Various locations throughout Ontario | 2008 – present

Robert has been the project manager of numerous DSS projects in southcentral Ontario. These projects include the inspection and characterization of materials such as asbestos, lead, mercury and PCBs for private and public clients during renovation and demolition projects. Have also completed DSS in response to MOL orders to enable clients to continue meeting their construction schedules.

Nuclear projects

Supervisor and Staff Scientist | Bruce Nuclear, Chalk River and Pickering Nuclear Generating Station | 1999 – 2002

Robert was involved in the supervision of the removal of 22 low level radioactive tile holes at Bruce Nuclear including health and safety inspections on ths $4M project. Collected sediment and soil samples from various lakes and streams at Chalk River Nuclear. Sediment and water samples were collected from the Ottawa River. At Pickering Nuclear provided oversight of a tritium investigation. Groundwater was also collected from approximately 150 wells, 10 sumps and 20 till drains, and rainwater from 12 gauges onsite and from areas with potentially elevated radioactivity. Supervised concrete coring, drilling and installation of monitoring wells inside the Pickering plant.

Work history

2014 – present	Project Manager, GHD, Peterborough, ON
2008 – 2014	Senior Project Manager, Geo-Logic, Peterborough, ON
1998 – 2008	Project Manager and Scientist, CH2M HILL, Kitchener-Waterloo, ON

Other related areas of interest

Recognized (Certifications/Trainings)

- OSHA 40-hour Hazardous Waste Worker, 1998 – Annual Refreshers 1999 – Present
- Standard First Aid with CPR Level A and AED, 2014
- WSIB Joint Health and Safety Management Chair and Committee Certified Member, Office Safety Captain
- Training courses through employee training programs (Construction, Hazardous Waste, Subcontractor Management, WHMIS, fall protection, negotiation training, confined space training etc.)

Eric Wierdsma

Engineering Technician

Qualified: Bachelor of Applied Science (B.A.Sc.), Honours Chemical Engineering, 2014. University of Waterloo

Professional Summary: Eric possesses skills that give clients confidence that their health and safety risks are being carefully managed. Since his graduation in 2014 and return to GHD in 2015, Eric has acquired vast experience conducting Hydrogeological, Environmental and Geotechnical Investigations, Designated Substances Surveys, Air Monitoring and Landfill Monitoring.

Hydrogeology

Environmental Technician
Various Projects | Ontario

- Field experience in support of hydrogeological investigations including subsurface exploration (drilling), water well sampling, aquifer performance testing and hydraulic conductivity testing.
- Desktop calculations in support of hydrogeological investigation including water balance calculations and calculations of hydraulic conductivity coefficients.
- Preparation of hydrogeological to assess hydrogeological conditions for proposed developments.

Environmental

- Conducting air monitoring for emergency response as well as monitoring for OHSA safe workplace levels as they pertain to construction projects. Specific air monitoring experience:
  - Anhydrous Ammonia Release, Fernie, BC, October 2017
  - Air Monitoring for Mould Spores, Healy Falls, ON
  - Confirmatory Asbestos Air Monitoring, Peterborough, ON
- Conducting designated substance surveys for commercial and residential buildings, for proposed renovation and demolition projects.
- Experienced with Phase One and Two Environmental Site Assessments (ESA) using protocol documented by the MECP and Canadian Standards Association (CSA).
  - The Phase One and Two ESAs have been completed for banks, private individuals, and large corporations and have knowledge of filing these documents on the Environmental Registry as Record of Site Condition submissions.
- Directed and supervising environmental investigations and field exploration programs, including supervision of drilling and excavating activities and remedial programs.
- Landfill monitoring and testing including landfill gas measurement, monitoring well, surface water and residential sampling.
- Overburden and bedrock drilling.
- Preparations of reports including Phase One and Two ESAs, Hydrogeologic Assessments, Designated Substance Surveys, Soil Management Letters, and Spill Management Plans.

Other related areas of interest

Recognized (Certifications/Trainings)

- Nov 2017 – CP and CN Contractor Safety Program as administered through eRailSafe Canada
- 2017 Low Impact Development Technical Training: Design of Infiltration Practices
- 2017 40-hour HAZWOPER Training
- 2016 7-hour Asbestos Sampling and Analysis Training
- 2015 St. John's Ambulance, Standard First Aid with CPR Level A and AED

Work history

2015 – present	GHD (formerly Geo-Logic), Peterborough, ON
2013	Apotex Inc., Toronto, ON
2012	SGS, Lakefield, ON
2012	Towerscan, Sarnia, ON
2010	Health Canada, Ottawa, ON

about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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