Phase I Environmental Site Assessment - Upper Mill Pond, Norwood, Ontario

April 21, 2022

Prepared for:
Angelo Puglisi
CAP Norwood Developments Inc.

Cambium Reference: 14288-003

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Executive Summary

Angelo Puglisi of CAP Norwood Developments Inc. retained Cambium Inc. (Cambium) to complete a Phase I Environmental Site Assessment (ESA) of the property at 52 Mill Street in Norwood, Ontario (the Site). The 35.0 ha Site consists of an irregular land parcel that is used for agricultural purposes, and contains a two-storey residential dwelling, a barn, and a cell tower.

The Phase I ESA was undertaken to identify potential and actual environmental concerns associated with current and historical activities at the Site and surrounding properties, for the purpose of a property transaction (i.e., potential re-financing of the Site). The Phase I ESA was conducted consistent with the standard practices established in Canadian Standards Association Standard Z768-01 (CSA, 2016).

Based on the findings of the records review and site visit, no actual and/or potential on-site sources of contamination were identified.

The Phase I ESA identified no evidence of environmental concerns associated with the Site; therefore, Cambium concludes a Phase II ESA is not required.

Due to the age of the on-site buildings and the potential for designated substances (e.g., asbestos, lead), a designated substance survey should be completed prior to renovation or demolition of the residential dwelling and barn.

A response to a Freedom of Information request to the Ministry of the Environment, Conservation and Parks was not received prior to completion of the report. The response will be provided under separate cover if it changes the findings of the Phase I ESA.

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1.0 Introduction

Angelo Puglisi of CAP Norwood Developments Inc. (the 'Client') retained Cambium Inc. (Cambium) to complete a Phase I Environmental Site Assessment (ESA) of the property at 52 Mill Street in Norwood, Ontario (the Site). The due diligence assessment was completed to identify actual and potential environmental concerns associated with current and historical activities at the Site and surrounding properties, for the purpose of a property transaction (i.e., potential re-financing of the Site).

This Phase I ESA was conducted consistent with the standard practices established in the Canadian Standards Association (CSA) Standard Z768-01 (CSA, 2016). This report describes the methods used to investigate environmental concerns that may affect the Site at the time of the assessment.

1.1 Scope of Work

The Phase I ESA consisted of the following:

- A review of pertinent background and historical information including documents such as aerial photographs, city directories, and topographic maps (as available).
- A review and summary of available environmental records obtained from the Site and/or public and private sources.
- A site visit and observation of the surrounding properties from publicly accessible areas.
- Interview(s) with person(s) knowledgeable of the history of the Site.
- Preparation of this report documenting the findings of the Phase I ESA and recommendations for further work, if any, required to ascertain the environmental condition of the Site.

No intrusive sampling was completed as part of this Phase I ESA. While the report considers environmental concerns, both past and present, it is limited by the availability of information obtained at the time of the assessment.

2.0 Site Description

The Site consists of a 35.0 ha (87.0 acre), irregular land parcel at 52 Mill Street in Norwood, Ontario. The Universal Transverse Mercator coordinates for the centre of the Site are Zone 18T, 263,561 m east, 4,919,268 m north. The Site location is shown on Figure 1. The most recent concept plan is shown in Figure 12.

The Site consists of vacant agricultural land, which contains a two-storey residential dwelling and a barn, constructed prior to 1920, located on the south portion of the Site along Mill Street, and a cell tower located on the central portion of the Site. It should be noted that an interior walkthrough of the residential dwelling and barn were not provided at the time of Cambium's site visit. During the site visit, the ground surface at the Site appeared to primarily consist of agricultural land, with trees present on the south-central portion of the Site.

The Site is generally flat on the south portion, with rolling hills on the north portion of the Site. The Site is surrounded by a railway line to the northwest, with a lumber mill beyond to the north; Asphodel 10th Line from the north to east; agricultural lands to the west; and Mill Street, with residential properties to the south.

The Site and surrounding land uses are shown on Figure 2. Photographs of the Site are included in Appendix A.

3.0 Phase I ESA Investigation Methodology

The Phase I ESA methodology is described in the following sub-sections.

3.1 Records Review

Cambium made appropriate inquiries to obtain information and documents as were reasonably ascertainable and pertained to the Site. The following documents were available for review and were used to develop the information database for this report.

- Ontario Base Mapping accessed through Land Information Ontario.
- Natural Heritage mapping accessed through the Ministry of Natural Resources and Forestry and the municipal Official Plan.
- The Physiography of Southern Ontario map (Chapman & Putnam, 2007).
- 1929, 1959, 1965, 1978, 1987, 1995, 2002, 2013, and 2017 aerial years aerial imagery (Figure 3 to Figure 11 2017 Aerial Imagery
- Figure 12).
- A Freedom of Information (FOI) request was submitted to the Ministry of the Environment, Conservation and Parks (Ministry). A copy of the FOI request is included in Appendix B.
- A search of available city directories for the Site and surrounding properties was completed by Environmental Risk Information Services Ltd. (ERIS). The search results are included in Appendix C.
- A Property Registry search was completed for the Site by ERIS. A copy of the Property Registry is included in Appendix D.
- Cambium contracted ERIS to provide a Database Report for the Site (ERIS, 2022). ERIS is a private environmental database and information service company. The ERIS report summarizes the findings of a search of various federal, provincial, and private source databases for the Site and properties within a search radius of 250 m from the centre of the Site. This search radius was chosen to ensure that all parts of the adjacent properties were included in the database search. A copy of the ERIS report is provided in Appendix D.

- A request was submitted to Opta Information Intelligence (Opta) for available Fire Insurance Plans (FIPs), Insurance Inspection Reports, and Site Plans pertaining to the Site. A copy of the Opta report is included in Appendix E.
- The *Waste Disposal Site Inventory* (MOE, 1991) was reviewed to identify waste disposal sites within 1,000 m of the Site.
- The *Inventory of Industrial Facilities Producing or Using Coal Tar or Related Tars in Ontario* (MOE, 1988a) was reviewed to identify facilities that produced or used coal or related tars within 1,000 m of the Site.
- The *Inventory of Coal Gasification Plant Waste Sites in Ontario* (MOE, 1988b) was reviewed to identify coal gasification plant waste sites within 1,000 m of the Site.
- Previous environmental reports pertaining to the Site were requested from the Client.

3.2 Site Visit

A site visit was conducted on March 30, 2022, to observe the Site and adjacent properties (from the Site as well as nearby publicly accessible areas) to identify actual and potential on-site and off-site sources of environmental contamination. The site visit was used to identify the following, if present:

- Areas of surface staining or stressed vegetation.
- Areas with fill and/or debris.
- The location, contents, construction details, and volumes of aboveground storage tanks (ASTs) and underground storage tanks (USTs), and drums, totes, bins, or other containers.
- Potable or non-potable water sources, including current and/or historical water sources.
- Current and historical sewage works, including locations.
- Wastewater discharge points.
- Water bodies and intermittent ditches.
- Ground cover and surface materials.
- Below ground access points (e.g., manholes).

- Location of current or historical railway lines or spurs.
- Unidentified substances, staining, or corrosion observed at the Site, including within buildings and/or structures.
- Existing structures to obtain a general description of the structures, including the number, age, and height of all buildings.
- Improvements to the building(s) and/or structures at the Site.
- Entries and exits to the buildings and structures.
- Heating and cooling systems of each building and/or structure.
- Drains, pits, and sumps, including documenting the purpose and use.

Additionally, the following aspects were discussed and identified, if applicable:

- Hazardous materials currently and historically stored at the Site.
- By-products and/or wastes of the current or historical operations at the Site.
- Raw materials currently or historically stored/handled at the Site.
- Oil/water separators and/or hydraulic lift equipment (e.g., elevators, in-ground hoists, and loading docks), if any, at the Site.
- Vehicle or equipment maintenance areas.
- Spills or releases of materials, including dates, locations, materials involved, and volumes.

3.3 Site Interviews

In an effort to obtain further information regarding the site use, occupancy history, and environmental conditions at the Site, interviews are conducted with persons knowledgeable of the Site. This may include current occupants and/or owners of the Site, or an individual with control of the Site or authority to act on behalf of the owner; previous owners and/or occupants; and/or, where the owner/occupant is not available, at least one owner or occupant of an adjacent property and one provincial or municipal government official, both of whom should be familiar with the Site.

4.0 Phase I ESA Findings

4.1 Records Review

Information obtained from the documents summarized in Section 3.1 is discussed below.

4.1.1 Miscellaneous Document Review

The following information was obtained from the documents collected as part of the records review:

- A topographic map (MNRF, 2022a) of the study area provided information regarding the regional topography, inferred groundwater flow direction, surface water drainage, and general development in the area surrounding the Site. Refer to Figure 1.
    - The ground surface at the Site slopes down towards the southwest.
    - Surface water drainage at the Site is expected to infiltrate the ground surface.
    - Regional surface water drainage is expected to flow overland to the west towards Mill Pond and southwest towards the Ouse River about 85 m and 370 m form the Site, respectively.
    - Based on the topography and proximity to Mill Pond and the Ouse River, the inferred shallow groundwater flow is west to southwest.
- A Natural Heritage Areas map (MNRF, 2022b) and the Draft County of Peterborough Official Plan (Peterborough, 2022) were reviewed. The Site is within 250 m of an area of natural and scientific interest, the Norwood Esker Complex.. The Site did not include an area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan, or property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan applies.
- Physiography of Southern Ontario mapping (Chapman & Putnam, 2007) indicates that the Site is within the Dummer Moraines physiographic region, characterized by till moraines.

- Overburden is mapped as sand, gravel, minor silt and clay foreshore and basinal deposits (OGS, 2010).
- Bedrock is mapped as limestone of the Bobcaygeon Formation (OGS, 2007).
- The residential dwelling and barn are present in the 1929 aerial photograph. In the 1929-2017 aerial photographs, the Site is used for agricultural purposes, with a wooded lot present on the south-central portion of the Site. Mill Street, Asphodel 10th Line, and the railway line are present. The railway line is located about 5 m northwest of the Site. Based on the distance between the railway line and the Site, this railway line does not pose an environmental concern for the Site. A detailed review of aerial imagery is presented in Appendix F.
- The city directory search identified that the Site and the surrounding properties were not listed within the city directory archives. As such, no listings were found for the Site and the surrounding properties.
- Review of the *Waste Disposal Site Inventory* (MOE, 1991) did not identify waste disposal sites within 1,000 m of the Site.
- Review of the *Inventory of Industrial Facilities Producing or Using Coal Tar or Related Tars in Ontario* (MOE, 1988a) did not identify industrial facilities that produced or used coal tar or related tars within 1,000 m of the Site.
- Review of the *Inventory of Coal Gasification Plant Waste Sites in Ontario* (MOE, 1988b) did not identify coal gasification plant waste sites within 1,000 m of the Site.
- A response was received from Opta indicating that no FIPs, inspection reports, or plans were available for review.

4.1.2 Regulatory Records Review

A response from the Ministry was not received prior to completion of this report. The FOI response will be provided under separate cover if it changes the findings of the Phase I ESA. A copy of the FOI request is included in Appendix B.

The ERIS report did not contain pertinent listings for the Site or surrounding properties. A copy of the ERIS report is provided in Appendix D.

Other ERIS Listings

The ERIS report contained off-site listings in various databases. Review of these records indicated the data was for properties not in close proximity to the Site or was not environmentally significant.

Several unplottable records were identified in the ERIS report. A review of these records did not identify additional environmental concerns for the Site.

4.2 Site Visit

Mr. Connor Frazer, Technologist, conducted a site visit on March 30, 2022. The Site was open and accessible.

The weather during the site visit was a mix of sun and cloud, and weather conditions did not impede the assessment. A photographic record of the site visit is presented in Appendix A. The site visit findings are described below.

The Site consists of vacant agricultural land, which contains a two-storey residential dwelling and a barn located on the south portion of the Site along Mill Street, and a cell tower located on the central portion of the Site. Based on aerial photography, the residential dwelling and barn were constructed by 1929. It should be noted that an interior walkthrough of the residential dwelling and barn were not provided at the time of Cambium's site visit. During the site visit, the ground surface at the Site appeared to primarily consist of agricultural land, with trees present on the south-central portion of the Site.

4.2.1 Storage Tanks

No evidence of ASTs or USTs (e.g., fill/vent pipes or concrete/asphalt patches) were observed during the site visit.

Cambium's presence/absence assessment of storage tanks was based on visual observations, review of available historical mapping (e.g., FIPs), and information available from relevant

regulatory agencies (e.g., the TSSA). Visual observation may not identify storage tanks that may have been present historically or that currently exist without documentation.

4.2.2 Materials and Storage

No chemicals or materials were observed to be stored on-site during the site visit.

4.2.3 Oil/Water Separators

No oil/water separators were observed during the site visit.

4.2.4 Vehicle and Equipment Maintenance

No vehicle or equipment maintenance was observed during the site visit.

4.2.5 Waste – Solid, Liquid, or Hazardous/Industrial

Domestic waste was not observed on-site during the Site assessment. No hazardous waste is generated on the Site.

4.2.6 Sumps, Drains, Pits, and Lagoons

No sumps, drains, pits, or lagoons were reported for the Site.

4.2.7 Spills

No spills were observed or reported during the site visit.

4.2.8 Stains

No significant staining was observed during the site visit.

4.2.9 Fill

No significant amount of fill is expected or reported to have been imported to the Site. The surface elevation at the Site changes throughout to include low lying wet areas and higher dry grounds, which appears to be consistent with surrounding topography.

4.2.10 Air Emissions

There was no evidence of sources of process-related air emissions at the Site.

4.2.11 Special Attention Items

4.2.11.1 Polychlorinated Biphenyls

No records of PCBs were identified at the Site in the ERIS report. Based on the date of construction of the residential dwelling and barn (prior to the 1920s), PCB containing light ballasts are potentially present. Prior to disposal, light ballasts should be checked for the presence or absence of PCBs to determine proper disposal.

4.2.11.2 Asbestos

Based on the date of construction of the residential dwelling and barn (prior to the 1920s), it is possible that asbestos-containing materials are present in building materials. It should be noted that the interior walkthrough of the residential dwelling and barn were not provided at the time of Cambium's site visit.

4.2.11.3 Lead

Based on the date of construction of the residential dwelling and barn (prior to the 1920s), there is potential for the presence of lead in originally painted surfaces. The Client informed Cambium that the painted surfaces within the on-site buildings are reportedly in good condition (i.e., no peeling or flaking).

4.2.11.4 Microbial Contamination and Mould

The Client informed Cambium that no evidence of mould (e.g., odour or surficial mould) has been reported for the Site.

4.2.11.5 Ozone Depleting Substances

No evidence of ozone depleting substances was observed at the Site.

4.2.11.6 Urea Formaldehyde Foam Insulation

The Client informed Cambium that urea formaldehyde foam insulation (UFFI) is not reportedly present at the Site; however, based on the date of construction of the residential dwelling and barn (prior to the 1920s), it is possible that UFFI is within building cavities. The use of UFFI was banned in Canada in 1980.

4.2.11.7 Radon, Noise, Electric and Magnetic Fields, and Vibration

Radon is a colourless, odourless, and tasteless gas formed by the natural breakdown of uranium in soil, rocks and water. Based on a review of the Radon Potential Map of Ontario (REMC, 2013), the Site is within Zone 1 for radon potential. Zone 1 depicts geologic conditions where higher radon concentrations might be found when compared to Zones 2 or 3. Actual radon concentrations can only be determined using an on-site test.

A review of testing completed in residential homes by the Peterborough Region health unit indicated the risk of radon concentrations in Peterborough is low. Only 8.9% of 113 residences tested within the health unit had radon at levels exceeding the Canadian standard of 200 Bq/m^3 (Carex, 2019).

No significant sources of noise, electric or magnetic fields, or vibration were observed during the site visit.

4.2.12 Pesticides and Herbicides

No pesticides or insecticides were observed during the site visit.

4.2.13 Potable Water Supply

The residential dwelling obtains drinking water from an on-site drinking water well.

4.2.14 Septic Fields

The residential dwelling is serviced by an on-site septic field.

4.2.15 Environmental Monitoring

No evidence of previous environmental monitoring (e.g., groundwater monitoring wells) was observed or reported during the site visit.

4.2.16 Stressed Vegetation

There was no evidence of stressed vegetation or differential plant growth observed during the site visit.

4.2.17 Fires

There was no evidence of historical fires observed during the site visit.

4.2.18 Odours

No strong, pungent, or noxious odours were observed during the site visit.

4.2.19 Unidentified Substances

No unidentified substances were observed or reported during the site visit.

4.2.20 Adjacent Land Uses

The properties within 100 m surrounding the Site are utilized for residential, agricultural, and industrial purposes. The south portion of the Site fronts on Mill Street. A railway line runs parallel to the northwest property boundary with Richard Lutes Cedar, a lumber mill, to the northwest and north. No significant environmental concerns are expected associated with the current and former uses of the adjacent properties.

Adjacent property uses include:

North – Asphodel 10th Line and railway line with industrial beyond (Richard Lutes Cedar - 2488 Asphodel 10th Line)

South – Residential/agricultural (Mill Street)

East – Asphodel 10th Line, agricultural beyond

West – Residential, agricultural, and rail line.

4.3 Interviews

Cambium interviewed Angelo Puglisi. Mr. Puglisi has been familiar with the Site for since November 2021. Information obtained during the interview is incorporated throughout Section 4.0.

5.0 Environmental Concerns

Based on the findings of the records review and site visit, no on-site sources of environmental concern were identified.

Off-site sources of environmental concern were identified related to the rail line and industrial use of Richard Lutes Cedar lumber mill. However, the railway line is off-site and the operations at the lumber mill that would be of environmental concern are about 100 m from the Site. As such, these sources are not considered a potential environmental concern for the Site.

6.0 Conclusions and Recommendations

Conclusions and recommendations regarding the current environmental conditions at the Site were based solely on the results from the document review, regulatory records review, and site visit.

The Phase I ESA identified no evidence of environmental concerns associated with the Site; therefore, Cambium concludes a Phase II ESA is not required.

Due to the age of the on-site buildings and the potential for designated substances (e.g., asbestos, lead), a designated substance survey should be completed prior to renovation or demolition of the residential dwelling and barn.

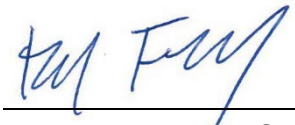
A response to an FOI request to the Ministry was not received prior to completion of the report. The response will be provided under separate cover if it changes the findings of the Phase I ESA.

7.0 Qualifications of the Assessor

This Phase I ESA was completed by David Fleming, B.Sc., as per CSA Standard Z768-01. Credentials are presented in Appendix G. Information presented in this report is true and accurate to the best of the assessors' knowledge.

Respectfully submitted,

Cambium Inc.



David Fleming, B.Sc.,
Technical Coordinator

Christine Wilson, B.A.,
Senior Project Manager

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9.0 Standard Limitations

Limited Warranty

In performing work on behalf of a client, Cambium relies on its client to provide instructions on the scope of its retainer and, on that basis, Cambium determines the precise nature of the work to be performed. Cambium undertakes all work in accordance with applicable accepted industry practices and standards. Unless required under local laws, other than as expressly stated herein, no other warranties or conditions, either expressed or implied, are made regarding the services, work or reports provided.

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The findings and results presented in reports prepared by Cambium are based on the materials and information provided by the client to Cambium and on the facts, conditions and circumstances encountered by Cambium during the performance of the work requested by the client. In formulating its findings and results into a report, Cambium assumes that the information and materials provided by the client or obtained by Cambium from the client or otherwise are factual, accurate and represent a true depiction of the circumstances that exist. Cambium relies on its client to inform Cambium if there are changes to any such information and materials. Cambium does not review, analyze or attempt to verify the accuracy or completeness of the information or materials provided, or circumstances encountered, other than in accordance with applicable accepted industry practice. Cambium will not be responsible for matters arising from incomplete, incorrect or misleading information or from facts or circumstances that are not fully disclosed to or that are concealed from Cambium during the provision of services, work or reports.

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Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Cambium's work or report considers any locations or times other than those from which information, sample results and data was specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those extrapolations.

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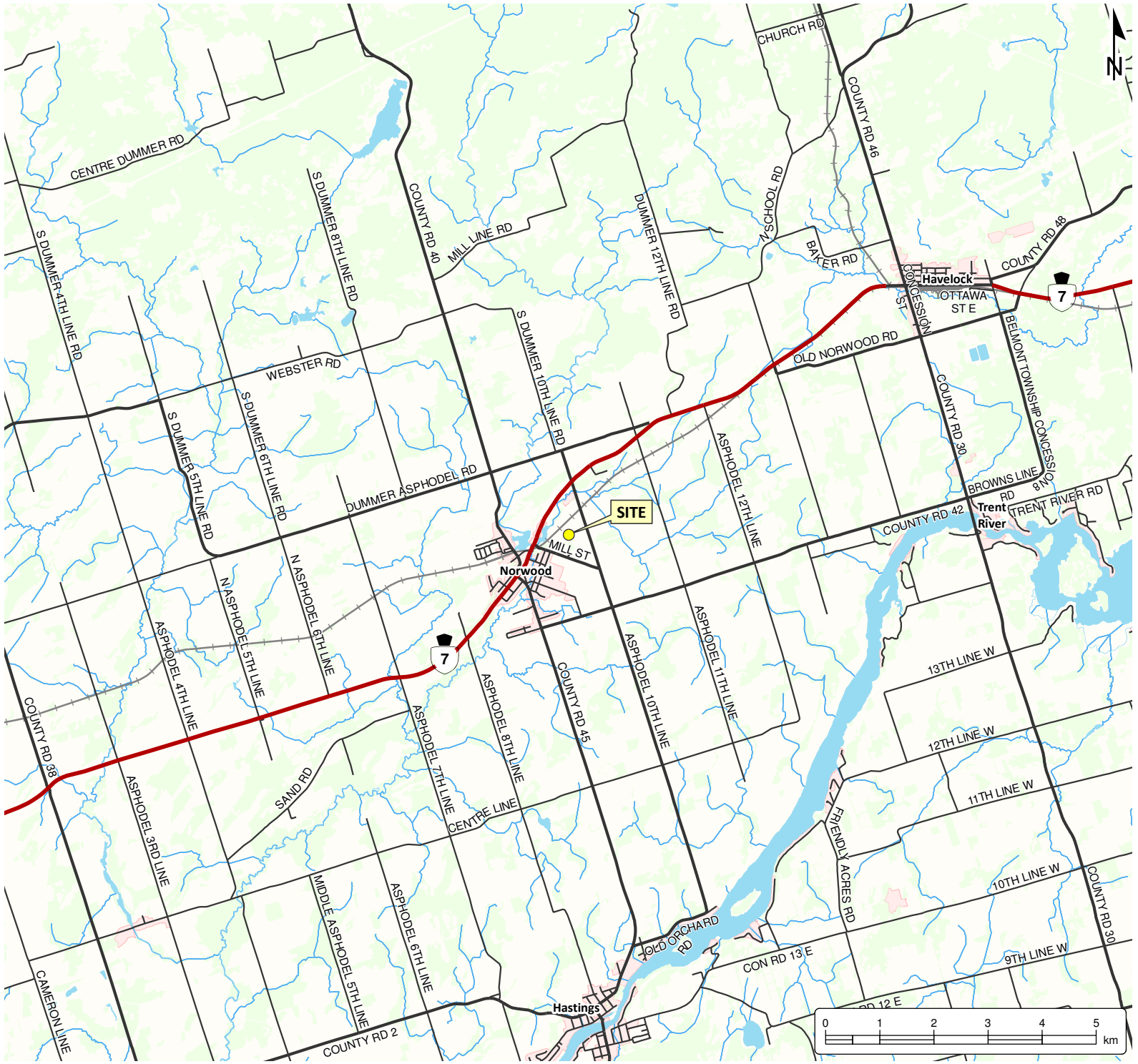
Potential liability to the client arising out of the report is limited to the amount of Cambium's professional liability insurance coverage. Cambium shall only be liable for direct damages to the extent caused by Cambium's negligence and/or breach of contract. Cambium shall not be liable for consequential damages.

Personal Liability

The client expressly agrees that Cambium employees shall have no personal liability to the client with respect to a claim, whether in contract, tort and/or other cause of action in law. Furthermore, the client agrees that it will bring no proceedings nor take any action in any court of law against Cambium employees in their personal capacity.

Appended Figures



PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

- Highway
- Major Road
- Minor Road
- Railroad
- Watercourse
- Water Area
- Wooded Area
- Built Up Area

Notes:
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
- Cambium Inc. makes every effort to ensure this map is free from errors but cannot be held responsible for any damages due to error or omissions. This map should not be used for navigation or legal purposes. It is intended for general reference use only.

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SITE LOCATION MAP

Project No.: 14288-001		Date: April 2022	Rev.:
Scale: 1:100,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure: 1	

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 1 - Site Location Map.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

LAND USE

Notes:
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
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- Cambium Inc. makes every effort to ensure this map is free from errors but cannot be held responsible for any damages due to error or omissions. This map should not be used for navigation or legal purposes. It is intended for general reference use only.

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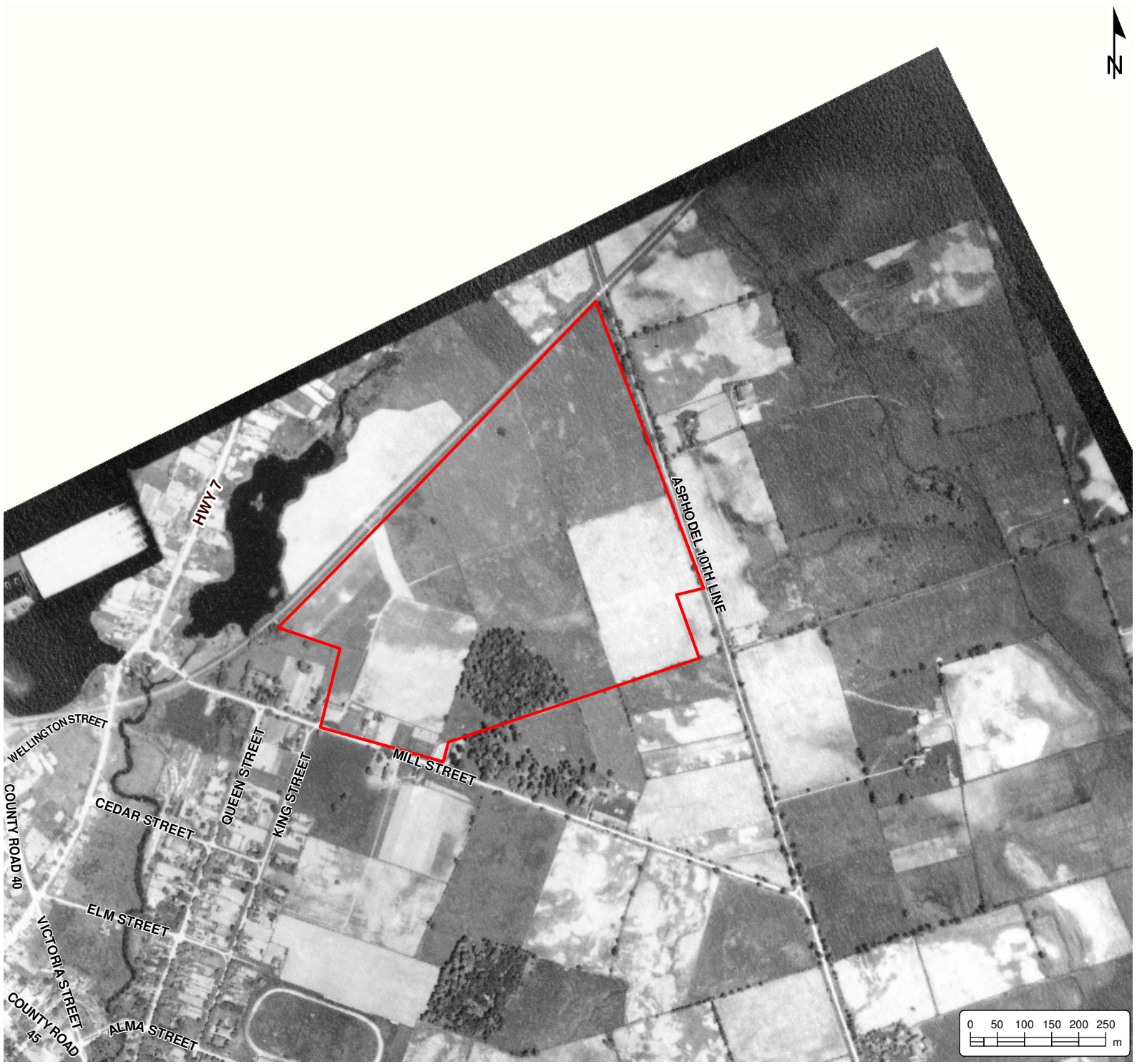
SITE PLAN AND SURROUNDING LAND USE

Project No.: 14288-001		Date: April 2022	Rev.:
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure: 2	

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 2 - Site Plan.mxd



PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 1929 imagery was obtained from the National Air Photo Library.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
- Cambium Inc. makes every effort to ensure this map is free from errors but cannot be held responsible for any damages due to error or omissions. This map should not be used for navigation or legal purposes. It is intended for general reference use only.

CAMBIUM
194 Sophia Street
Peterborough, Ontario, K9H 1E5
Tel: (705) 742.7900 Fax: (705) 742.7907
www.cambium-inc.com

1929 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022	Rev.:
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure: 3	

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 3 - 1929 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 1959 imagery was obtained from the National Air Photo Library.
- Site is approximate and was obtained from the County of Peterborough online GIS.
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1959 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022 Rev.:	
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure:	4

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 4 - 1959 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 1965 imagery was obtained from the National Air Photo Library.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
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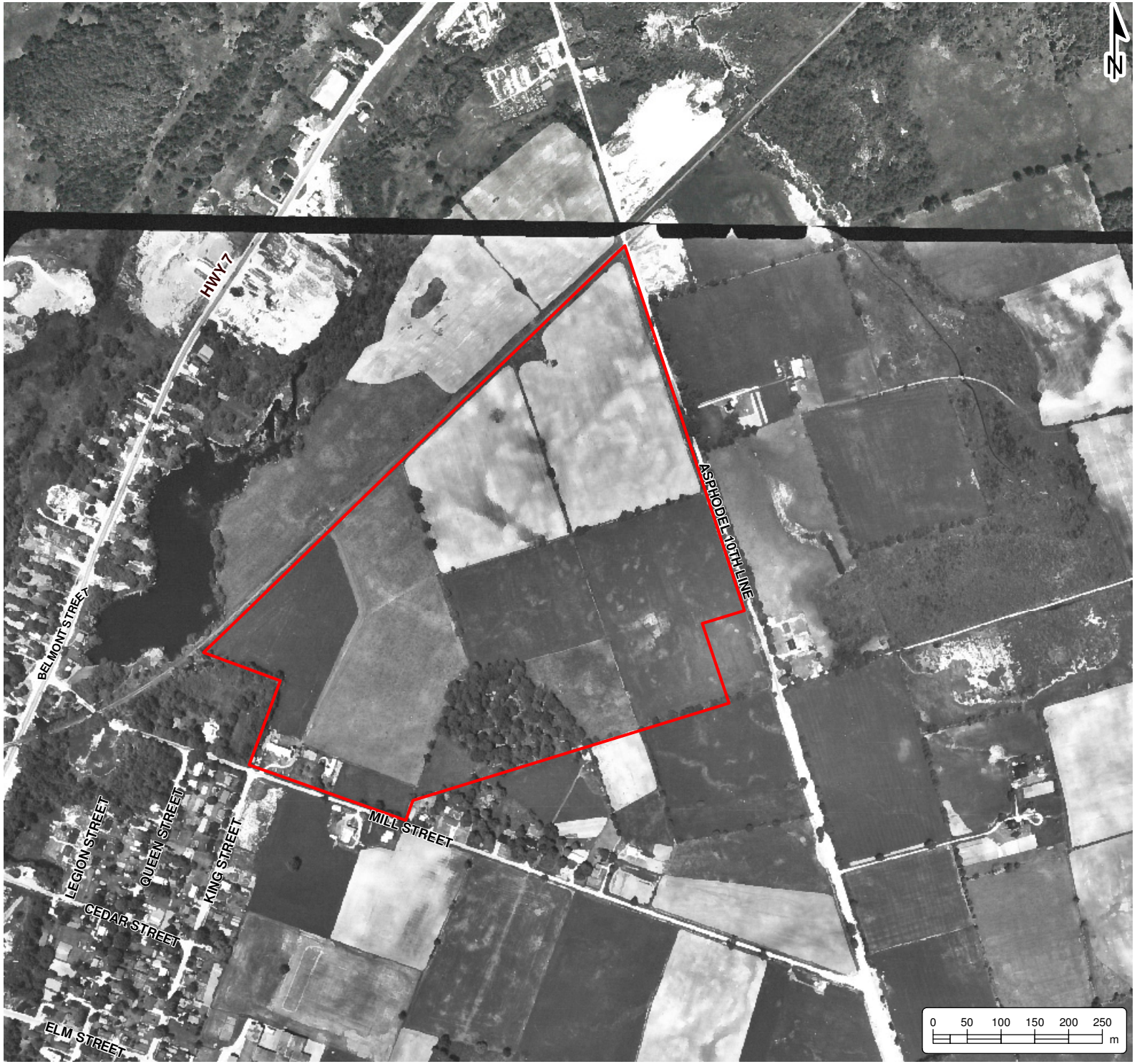
1965 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022 Rev.:	
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure:	5

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 5 - 1965 Aerial Imagery.mxd



PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
52 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 1978 imagery was obtained from the National Air Photo Library.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
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www.cambium-inc.com

1978 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022	Rev.:
Scale: 1:8,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure: 6	

O:\GIS\MXDs\1:4200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 6 - 1978 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 1987 imagery was obtained from the National Air Photo Library.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
- Cambium Inc. makes every effort to ensure this map is free from errors but cannot be held responsible for any damages due to error or omissions. This map should not be used for navigation or legal purposes. It is intended for general reference use only.

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1987 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022 Rev.:	
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure:	7

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 7 - 1987 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 1995 imagery was obtained from the National Air Photo Library.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
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1995 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022	Rev.:
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure: 8	

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 8 - 1995 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 2002 imagery was obtained from the County of Peterborough online GIS.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
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Peterborough, Ontario, K9H 1E5
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2002 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022	Rev.:
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure: 9	

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 9 - 2002 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
- 2013 imagery was obtained from the County of Peterborough online GIS.
- Site is approximate and was obtained from the County of Peterborough online GIS.
- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
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CAMBIUM
194 Sophia Street
Peterborough, Ontario, K9H 1E5
Tel: (705) 742.7900 Fax: (705) 742.7907
www.cambium-inc.com

2013 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022 Rev.:	
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure:	10

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 10 - 2013 Aerial Imagery.mxd

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ANGELO PUGLISI
50 Mill Street
Norwood, Ontario

LEGEND

Site (approximate)

Notes:
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- Base mapping features are © Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).
- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.
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CAMBIUM
194 Sophia Street
Peterborough, Ontario, K9H 1E5
Tel: (705) 742.7900 Fax: (705) 742.7907
www.cambium-inc.com

2017 AERIAL IMAGERY

Project No.: 14288-001		Date: April 2022 Rev.:	
Scale: 1:10,000		Projection: NAD 1983 UTM Zone 18N	
Created by: TLC	Checked by: DF	Figure:	**11**

O:\GIS\MXDs\14200-14299\14288-001 Angelo Puglisi - Preliminary Constraints - 52 Mill St, Norwood\2022-03-31 FIG 11 - 2017 Aerial Imagery.mxd

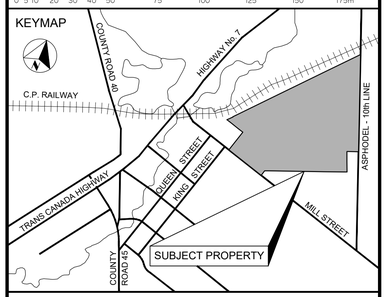
DEVELOPMENT CONCEPT FOR DRAFT PLAN OF SUBDIVISION
UPPER MILL POND

PART OF BLOCK H, REGISTERED PLAN 6
FORMERLY VILLAGE OF NORWOOD
AND PART OF LOTS 17, 18 AND 19
CONCESSION 9
GEOGRAPHIC TOWNSHIP OF ASPHODEL
TOWNSHIP OF ASPHODEL-NORWOOD
COUNTY OF PETERBOROUGH

SCALE = 1:1500

0 5 10 20 30 40 50 75 100 125 150 175m

KEYMAP



LAND USE SUMMARY

LAND USE	AREA(ha)	AREA%	UNITS	UNITS
12.2m - SINGLE DETACHED LOTS	3.27	9.2	71	
13.7m - SINGLE DETACHED LOTS	3.04	8.6	52	
15.0m - SINGLE DETACHED LOTS	4.41	12.4	73	
6.1m - 2 STOREY TOWNHOUSES (INCLUDING LANES)	4.26	12.0	134	
7.4m - BUNGALOW TOWNHOUSES	2.07	5.8	70	
LOW DENSITY TOTAL - 17.05ha				400
2 - 12 UNIT, 3 STOREY, STACKED TOWNHOUSE BUILDINGS	0.55	1.5	24	
5 - 12 UNIT, 3 STOREY, BUILDINGS	1.21	3.4	60	
3 STOREY APARTMENT BUILDING WITH COMMERCIAL AT GRADE (SOUTH WEST SIDE) 1842sq.m GFA	1.08	3.0	40	
MEDIUM DENSITY CONDOMINIUM BLOCK	4.03	11.4		
29 - 4 PLEX BUNGALOW UNITS			116	
MEDIUM DENSITY TOTAL - 6.87ha				240
PARKLAND, WALKWAYS & SERVICE EASEMENTS	1.84	5.2		
STORM WATER POND	1.75	4.9		
SAFETY BERM & ACOUSTIC FENCE	0.92	2.6		
20.0m MUNICIPAL ROAD ALLOWANCE = 3607.0m (STREETS A, B, C, D, E, F, G & H)	7.07	20.0		
TOTAL	35.50ha	100.0%		640

LOW DENSITY RESIDENTIAL
400 UNITS/17.05ha. = 24 UNITS/ha (NET)

MEDIUM DENSITY RESIDENTIAL
240 UNITS/6.87ha. = 35 UNITS/ha (NET)

OVERALL NET DENSITY
640 UNITS/23.92ha. = 27 UNITS/ha (NET)

SURVEYOR'S CERTIFICATE

I CERTIFY THAT THE BOUNDARIES OF THE LAND TO BE SUBDIVIDED ARE CORRECTLY SHOWN.

STEVE GIFFORD — DATE
ONTARIO LAND SURVEYOR,

GIFFORD, HARRIS SURVEYING LTD.
ONTARIO LAND SURVEYORS
255 GLEN MILLER ROAD, UNIT 1, TRENTON ONTARIO
613-392-2177

No.	REVISION	DATE	APPR'D

DRAWN BY: L.B. | CHECKED BY: R.F.A. | DATE: NOV. 6, 2023 | SCALE: 1:1500

METRIC NOTE:
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO IMPERIAL BY DIVIDING BY 0.3048.

CONTOURS NOTE:
CONTOURS PROVIDED BY CANADIAN LIDAR DATA AND DRAWING AT X.Xm INTERVALS.

NOVEMBER 6, 2023

JOB No. 852

RFA PLANNING CONSULTANT INC
211 Dundas Street East, Suite 202,
Belleville, Ontario, K8N 1E2

Appendix A
Photographs

Photo 1 General overview of Site, cell tower in background, March 2022.

Photo 2 Cell tower located on central portion of the Site, March 2022.

Photo 3 Residential Dwelling locate on-site, March 2022.

Photo 4 Residential dwelling and barn located on-site, March 2022.

Photo 5 Barn located on-site, March 2022.

Photo 6 Railway line and lumber yard beyond, facing north, March 2022.

Photo 7 Asphodel 10th Line, south of railway line, March 2022.

Photo 8 North portion of Site, rolling hills, March 2022.

Photo 9 Tree line in central portion of Site, March 2022.

Photo 10 Overview of Site, facing south, March 2022.

Photo 11 Railway line, at Asphodel 10th Line facing west, March 2022.

Photo 12 2450 Asphodel 10th Line, March 2022.

Appendix B

Freedom of Information Requests

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

March 29, 2022

David Fleming
Cambium Inc.
194 Sophia Street
Peterborough, ON K9H 1G5

Dear David Fleming:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2022-02265, Your Reference 14288-001

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee).

The search will be conducted on the following: 52 Mill Street, Norwood. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search and preparation time.

Due to the COVID-19 outbreak, requesters may experience some delays with FOI requests at this time.

This is to advise you, we've gone digital! Requests submitted by fax will no longer be accepted starting August 31, 2021. If you submitted requests by fax before August 31, 2021, we'll process it. Please don't re-submit it using the online form or you might get charged twice. The online form can be found on the central forms repository at the following link https://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/FormDetail?OpenForm&ACT=RDR&TAB=PROFILE&SRCH=1&ENV=WWE&TIT=freedom+of+information&NO=012-2146E.

If you have any questions regarding this matter, please contact Nasreen Salar at or nasreen.salar@ontario.ca.

Yours truly,

Ryan Gunn
Manager (A), Access and Privacy Office

Appendix C
City Directories

ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property: *52 Mill Street, Norwood, ON*
Report Type: *City Directory*
Order No: *22032200447*
Information Source: *No Source Information*
Date Completed: *2022/03/22*

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

City Directory Information Source
No Source Information

PROJECT NUMBER: 22032200447	
Site Address:	52 Mill Street, Norwood, ON
Year:	
Site Listing:	-Site Not Listed
Adjacent Properties:	
42 Mill Street	-Address Not Listed
78 Mill Street	-Address Not Listed
2366 Asphodel 10th Line	-Address Not Listed
2370 Asphodel 10th Line	-Address Not Listed
2413 Asphodel 10th Line	-Address Not Listed
2445 Asphodel 10th Line	-Address Not Listed
2450 Asphodel 10th Line	-Address Not Listed

2461 Asphodel 10th Line	-Address Not Listed
2488 Asphodel 10th Line	-Address Not Listed
4459 Highway 7	-Address Not Listed

Norwood, Ontario is not listed within the city directory archives.

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

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

Appendix D

ERIS Report

DATABASE REPORT

Project Property:	*Phase I Environmental Site Assessment (14288-001)* *52 Mill Street* *Norwood ON K0L 2V0*
Project No:	*14288-001*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*22032200447*
Requested by:	*Cambium Inc.*
Date Completed:	*March 25, 2022*

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:	*Phase I Environmental Site Assessment (14288-001)* *52 Mill Street Norwood ON K0L 2V0*
Project No:	*14288-001*

Order Information:

Order No:	*22032200447*
Date Requested:	*March 22, 2022*
Requested by:	*Cambium Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

City Directory Search	*CD - Subject Site plus 10 Adjacent Properties*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.15km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.15km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	3	8	11
	Total:		3	8	11

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 17 con 9 ON ***Well ID:*** 5100149	SSW/0.0	-2.07	13
2	WWIS		lot 18 con 9 ON ***Well ID:*** 5115821	W/0.0	-5.00	15
3	WWIS		lot 18 con 9 ON ***Well ID:*** 7110601	SW/0.0	-4.66	18

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	WWIS		lot 17 con 9 ON ***Well ID:*** 5100148	SSW/3.8	-1.15	24
5	WWIS		ASPHODEL 10TH LINE lot 18 con 9 ON ***Well ID:*** 7294205	E/30.0	2.00	27
6	WWIS		lot 18 con 10 ON ***Well ID:*** 5105780	NE/54.4	4.75	33
7	WWIS		52 MILL ST lot 18 con 9 ON ***Well ID:*** 7189653	ESE/57.1	1.00	35
8	WWIS		2447 ASHODEL 10TH LINE lot 19 con 10 ON ***Well ID:*** 7189660	NE/71.7	2.00	42
9	WWIS		lot 18 con 10 ON ***Well ID:*** 5109754	E/72.7	0.69	48
10	WWIS		2413 10TH LINE lot 18 con 10 NORWOOD ON ***Well ID:*** 7047958	ENE/122.6	5.08	51
11	WWIS		lot 18 con 10 ON ***Well ID:*** 5100163	NE/136.0	4.31	58

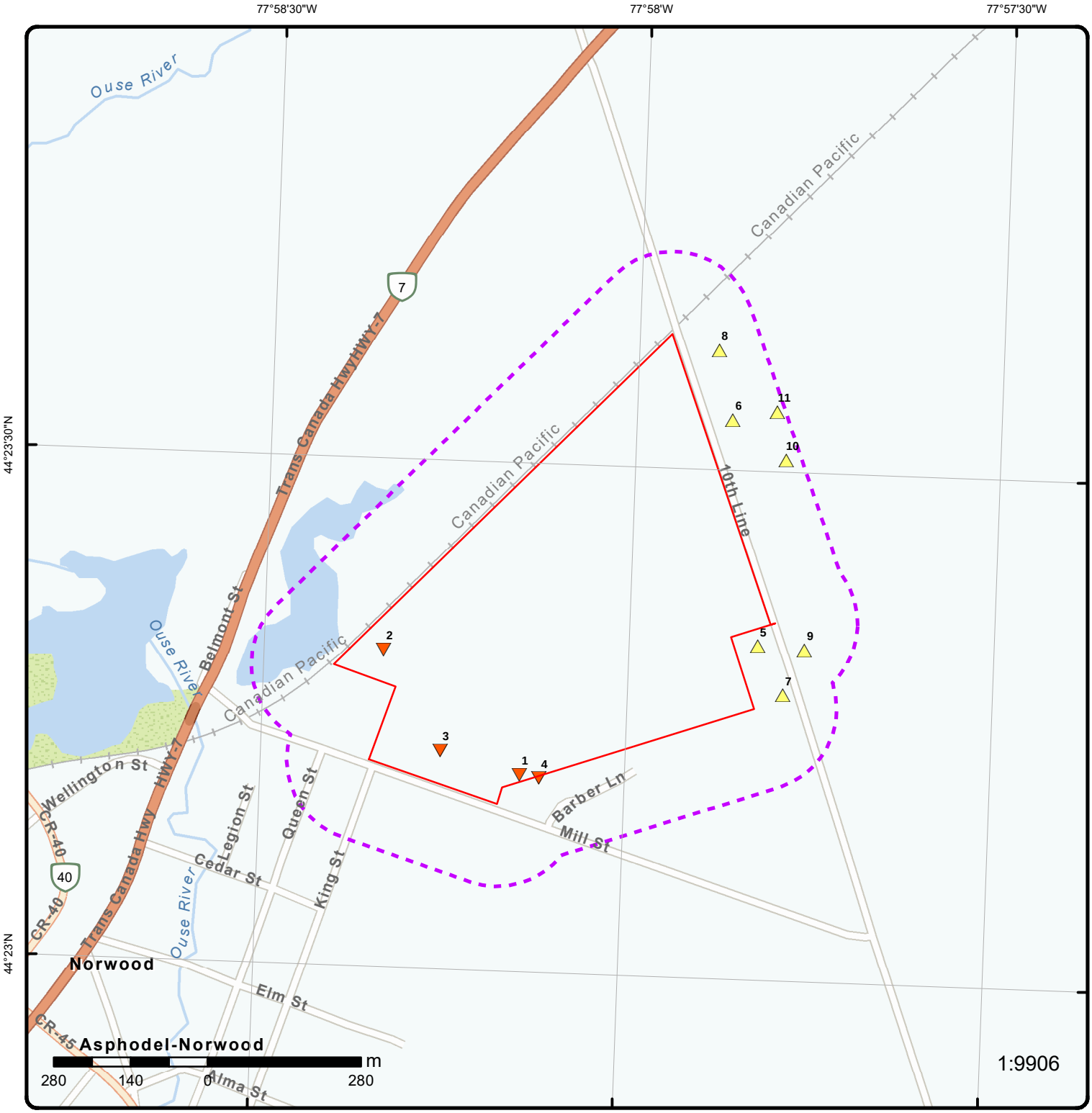
Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 11 WWIS site(s) within approximately 0.15 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 17 con 9 ON ***Well ID:*** 5100149	0.0	1
	lot 18 con 9 ON ***Well ID:*** 5115821	0.0	2
	lot 18 con 9 ON ***Well ID:*** 7110601	0.0	3
	lot 17 con 9 ON ***Well ID:*** 5100148	3.8	4
	ASPHODEL 10TH LINE lot 18 con 9 ON ***Well ID:*** 7294205	30.0	5
	lot 18 con 10 ON ***Well ID:*** 5105780	54.4	6
	52 MILL ST lot 18 con 9 ON ***Well ID:*** 7189653	57.1	7
	2447 ASHODEL 10TH LINE lot 19 con 10 ON ***Well ID:*** 7189660	71.7	8
	lot 18 con 10 ON ***Well ID:*** 5109754	72.7	9

Site	Address	Distance (m)	Map Key
	2413 10TH LINE lot 18 con 10 NORWOOD ON ***Well ID:*** 7047958	122.6	10
	lot 18 con 10 ON ***Well ID:*** 5100163	136.0	11



Map: 0.15 Kilometer Radius

Order Number: 22032200447

Address: 52 Mill Street, Norwood, ON

ERIS

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

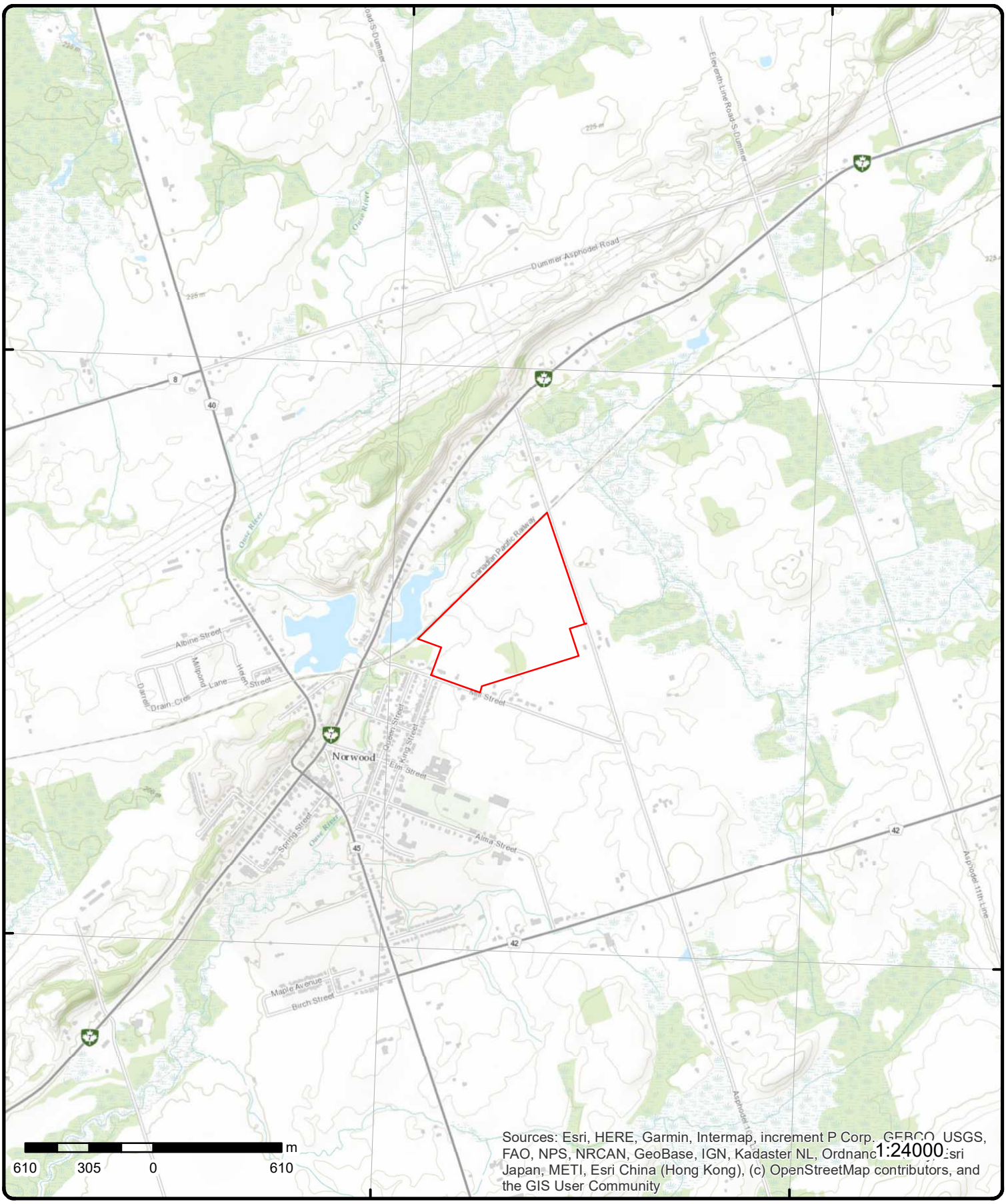
Aerial

Year: 2017

Order Number: 22032200447

Address: 52 Mill Street, Norwood, ON

Source: ESRI World Imagery



Topographic Map

Address: 52 Mill Street, ON

Source: ESRI World Topographic Map

Order Number: 22032200447

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SSW/0.0	207.8 / -2.07	lot 17 con 9 ON	WWIS

Well ID:	5100149	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:		**Date Received:**	11/16/1959
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Abandoned-Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4104
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	ASPHODEL TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	017
Well Depth:		**Concession:**	09
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\5100149.pdf

Additional Detail(s) (Map)

Well Completed Date:	1959/10/19
Year Completed:	1959
Depth (m):	30.48
Latitude:	44.3865540587355
Longitude:	-77.9690132310917
Path:	510\5100149.pdf

Bore Hole Information

Bore Hole ID:	10328432	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263510.50
Code OB Desc:		**North83:**	4919096.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	19-Oct-1959 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932092051
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932092050
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965100149
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10877002
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930543890
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	W/0.0	204.8 / -5.00	lot 18 con 9 ON	WWIS

Well ID:	5115821	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Commerical	**Date Received:**	5/5/1992
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	2104
Casing Material:		**Form Version:**	1
Audit No:	118284	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	NORWOOD VILLAGE
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	09
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/511\5115821.pdf

Additional Detail(s) (Map)

Well Completed Date:	1992/04/06
Year Completed:	1992
Depth (m):	27.1272
Latitude:	44.3885233436393
Longitude:	-77.9722138773215
Path:	511\5115821.pdf

Bore Hole Information

Bore Hole ID:	10343865	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263263.50
Code OB Desc:		**North83:**	4919324.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	06-Apr-1992 00:00:00	**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:	932145103
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	11

Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	45.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932145102
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	30
Mat2 Desc:	MEDIUM GRAVEL
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932145104
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Mat2 Desc:	STONES
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	45.0
Formation End Depth:	87.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932145106
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	88.0
Formation End Depth:	89.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932145105
Layer: 4
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 87.0
Formation End Depth: 88.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965115821
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10892435
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930564930
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 86.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995115821
Pump Set At:
Static Level: 75.0
Final Level After Pumping: 80.0
Recommended Pump Depth: 85.0
Pumping Rate: 80.0
Flowing Rate:
Recommended Pump Rate: 80.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 11
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID:	933819448
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	87.0
Water Found Depth UOM:	ft

3 | **1 of 1** | **SW/0.0** | **205.2 / -4.66** | **lot 18 con 9 ON** | **WWIS**

Well ID:	7110601	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	8/28/2008
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3651
Casing Material:		**Form Version:**	7
Audit No:	Z92914	**Owner:**	
Tag:	A076407	**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	ASPHODEL TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	09
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/711\7110601.pdf

Additional Detail(s) (Map)

Well Completed Date:	2008/08/19
Year Completed:	2008
Depth (m):	42.672
Latitude:	44.3869025049007
Longitude:	-77.9708449633396
Path:	711\7110601.pdf

Bore Hole Information

Bore Hole ID:	1001767042	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263366.00
Code OB Desc:		**North83:**	4919140.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	19-Aug-2008 00:00:00	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001871337
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1001871338
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	140.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1001871341
Layer:	1
Plug From:	0.0
Plug To:	23.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1001871373
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1001871335
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001871344
Layer:	1

Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 23.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1001871345
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: 1001871336
Pump Set At: 120.0
Static Level: 22.0
Final Level After Pumping: 23.600000381469727
Recommended Pump Depth: 130.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1001871361
Test Type: Recovery
Test Duration: 20
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871363
Test Type: Recovery
Test Duration: 25
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871346
Test Type: Draw Down
Test Duration: 1
Test Level: 22.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871347
Test Type: Recovery
Test Duration: 1
Test Level: 22.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871348
Test Type: Draw Down
Test Duration: 2
Test Level: 22.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871351
Test Type: Recovery
Test Duration: 3
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871362
Test Type: Draw Down
Test Duration: 25
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871369
Test Type: Recovery
Test Duration: 50
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871359
Test Type: Recovery
Test Duration: 15
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871370
Test Type: Draw Down
Test Duration: 60
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871354
Test Type: Draw Down
Test Duration: 5
Test Level: 23.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871358
Test Type: Draw Down
Test Duration: 15
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871360
Test Type: Draw Down
Test Duration: 20
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871365
Test Type: Recovery
Test Duration: 30
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871366
Test Type: Draw Down
Test Duration: 40
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871371
Test Type: Recovery
Test Duration: 60
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871349
Test Type: Recovery
Test Duration: 2
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871352
Test Type: Draw Down
Test Duration: 4
Test Level: 23.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871353
Test Type: Recovery
Test Duration: 4
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871350
Test Type: Draw Down
Test Duration: 3
Test Level: 23.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871355
Test Type: Recovery
Test Duration: 5
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871356
Test Type: Draw Down
Test Duration: 10
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871357
Test Type: Recovery
Test Duration: 10
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871367
Test Type: Recovery
Test Duration: 40
Test Level: 22.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871368
Test Type: Draw Down
Test Duration: 50
Test Level: 23.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1001871364
Test Type: Draw Down
Test Duration: 30
Test Level: 23.600000381469727
Test Level UOM: ft

Water Details

Water ID: 1001871343
Layer: 2
Kind Code: 8
Kind: Untested
Water Found Depth: 135.0
Water Found Depth UOM: ft

Water Details

Water ID: 1001871342
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 60.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1001871340
Diameter: 6.0625
Depth From: 23.0
Depth To: 140.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1001871339
Diameter: 10.0
Depth From: 0.0
Depth To: 23.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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4 | **1 of 1** | **SSW/3.8** | **208.7 / -1.15** | **lot 17 con 9 ON** | **WWIS**

Well ID: 5100148
Construction Date:
Primary Water Use: Domestic
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:

Data Entry Status:
Data Src: 1
Date Received: 12/3/1959
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4104
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: ASPHODEL TOWNSHIP
Site Info:
Lot: 017
Concession: 09
Concession Name: CON
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\5100148.pdf

Additional Detail(s) (Map)

Well Completed Date:	1959/11/06
Year Completed:	1959
Depth (m):	12.192
Latitude:	44.3865115295811
Longitude:	-77.9685716801798
Path:	510\5100148.pdf

Bore Hole Information

Bore Hole ID:	10328431	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	263545.50
Code OB Desc:		***North83:***	4919090.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	06-Nov-1959 00:00:00	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932092048
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932092049
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965100148
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10877001
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930543888
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930543889
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 40.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930543887
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995100148
Pump Set At:

Static Level:	20.0
Final Level After Pumping:	39.0
Recommended Pump Depth:	39.0
Pumping Rate:	0.0
Flowing Rate:	
Recommended Pump Rate:	0.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	5
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933802702
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

---

5 | ***1 of 1*** | ***E/30.0*** | ***211.8 / 2.00*** | ***ASPHODEL 10TH LINE lot 18 con 9 ON*** | ***WWIS***

Well ID:	7294205	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	9/6/2017
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3651
Casing Material:		**Form Version:**	7
Audit No:	Z260634	**Owner:**	
Tag:	A212429	**Street Name:**	ASPHODEL 10TH LINE
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	ASPHODEL TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	09
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/729\7294205.pdf

Additional Detail(s) (Map)

Well Completed Date:	2017/07/11
Year Completed:	2017
Depth (m):	30.48
Latitude:	44.388799185844
Longitude:	-77.963684338419
Path:	729\7294205.pdf

Bore Hole Information

Bore Hole ID:	1006719154	**Elevation:**	

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263944.00
Code OB Desc:		**North83:**	4919330.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11-Jul-2017 00:00:00	**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:	1006871198
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006871197
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006871232
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006871231

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

Pipe Information

Pipe ID: 1006871195
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006871202
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 20.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006871203
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: 1006871196
Pump Set At: 90.0
Static Level: 17.0
Final Level After Pumping: 76.80000305175781
Recommended Pump Depth: 90.0
Pumping Rate: 3.5
Flowing Rate:
Recommended Pump Rate: 3.5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1006871212
Test Type: Draw Down
Test Duration: 5
Test Level: 25.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871204
Test Type: Draw Down
Test Duration: 1
Test Level: 20.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871210
Test Type: Draw Down
Test Duration: 4
Test Level: 24.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871217
Test Type: Recovery
Test Duration: 15
Test Level: 53.900001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871224
Test Type: Draw Down
Test Duration: 40
Test Level: 62.599998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871226
Test Type: Draw Down
Test Duration: 50
Test Level: 70.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871205
Test Type: Recovery
Test Duration: 1
Test Level: 76.19999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871214
Test Type: Draw Down
Test Duration: 10
Test Level: 31.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871218

Test Type: Draw Down
Test Duration: 20
Test Level: 42.099998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871220
Test Type: Draw Down
Test Duration: 25
Test Level: 47.400001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871221
Test Type: Recovery
Test Duration: 25
Test Level: 42.900001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871222
Test Type: Draw Down
Test Duration: 30
Test Level: 53.099998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871225
Test Type: Recovery
Test Duration: 40
Test Level: 34.099998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871228
Test Type: Draw Down
Test Duration: 60
Test Level: 76.80000305175781
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871229
Test Type: Recovery
Test Duration: 60
Test Level: 26.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871207
Test Type: Recovery
Test Duration: 2
Test Level: 74.0999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871208
Test Type: Draw Down
Test Duration: 3
Test Level: 23.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871209
Test Type: Recovery
Test Duration: 3
Test Level: 72.19999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871211
Test Type: Recovery
Test Duration: 4
Test Level: 70.30000305175781
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871213
Test Type: Recovery
Test Duration: 5
Test Level: 68.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871216
Test Type: Draw Down
Test Duration: 15
Test Level: 36.599998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871227
Test Type: Recovery
Test Duration: 50
Test Level: 29.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006871206
Test Type: Draw Down
Test Duration: 2
Test Level: 21.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1006871215
Test Type:	Recovery
Test Duration:	10
Test Level:	60.099998474121094
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006871219
Test Type:	Recovery
Test Duration:	20
Test Level:	48.70000076293945
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006871223
Test Type:	Recovery
Test Duration:	30
Test Level:	39.0
Test Level UOM:	ft

Water Details

Water ID:	1006871201
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	88.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006871199
Diameter:	10.0
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006871200
Diameter:	6.0
Depth From:	20.0
Depth To:	100.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	NE/54.4	214.6 / 4.75	lot 18 con 10 ON	WWIS

Well ID:	5105780	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:		**Date Received:**	1/19/1972
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Unfinished	**Abandonment Rec:**	
Water Type:		**Contractor:**	4811
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	

Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	ASPHODEL TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	10
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\5105780.pdf

Additional Detail(s) (Map)

Well Completed Date:	1971/09/20
Year Completed:	1971
Depth (m):	19.812
Latitude:	44.3924889141655
Longitude:	-77.9644294305071
Path:	510\5105780.pdf

Bore Hole Information

Bore Hole ID:	10333970	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263899.50
Code OB Desc:		**North83:**	4919742.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	20-Sep-1971 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932109957
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932109956

Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932109958
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965105780
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10882540
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930552764
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

7	***1 of 1***	***ESE/57.1***	***210.8 / 1.00***	***52 MILL ST lot 18 con 9 ON***	***WWIS***

Well ID:	7189653	**Data Entry Status:**	
Construction Date:		**Data Src:**	

Primary Water Use:	Domestic	**Date Received:**	10/16/2012
Sec. Water Use:		**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3651
Casing Material:		**Form Version:**	7
Audit No:	Z151258	**Owner:**	
Tag:	A131212	**Street Name:**	52 MILL ST
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	ASPHODEL TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	09
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/718\7189653.pdf

Additional Detail(s) (Map)

Well Completed Date:	2012/09/06
Year Completed:	2012
Depth (m):	30.48
Latitude:	44.3880139780271
Longitude:	-77.9630671707217
Path:	718\7189653.pdf

Bore Hole Information

Bore Hole ID:	1004180066	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263990.00
Code OB Desc:		**North83:**	4919241.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06-Sep-2012 00:00:00	**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:	1004499001
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004499002
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004499036
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004499035
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1004498999
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004499006
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 20.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004499007
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: 1004499000
Pump Set At: 90.0
Static Level: 12.0
Final Level After Pumping: 69.80000305175781
Recommended Pump Depth: 90.0
Pumping Rate: 3.5
Flowing Rate:
Recommended Pump Rate: 3.5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1004499010
Test Type: Draw Down
Test Duration: 2
Test Level: 15.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499018
Test Type: Draw Down
Test Duration: 10
Test Level: 29.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499028
Test Type: Draw Down
Test Duration: 40
Test Level: 59.400001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499016
Test Type: Draw Down
Test Duration: 5
Test Level: 21.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499020
Test Type: Draw Down

Test Duration: 15
Test Level: 36.400001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499023
Test Type: Recovery
Test Duration: 20
Test Level: 44.099998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499027
Test Type: Recovery
Test Duration: 30
Test Level: 36.79999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499024
Test Type: Draw Down
Test Duration: 25
Test Level: 47.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499031
Test Type: Recovery
Test Duration: 50
Test Level: 27.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499033
Test Type: Recovery
Test Duration: 60
Test Level: 24.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499015
Test Type: Recovery
Test Duration: 4
Test Level: 61.29999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499021
Test Type: Recovery
Test Duration: 15
Test Level: 48.70000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499030
Test Type: Draw Down
Test Duration: 50
Test Level: 65.4000015258789
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499008
Test Type: Draw Down
Test Duration: 1
Test Level: 13.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499012
Test Type: Draw Down
Test Duration: 3
Test Level: 17.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499013
Test Type: Recovery
Test Duration: 3
Test Level: 62.900001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499014
Test Type: Draw Down
Test Duration: 4
Test Level: 19.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499019
Test Type: Recovery
Test Duration: 10
Test Level: 53.900001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499026
Test Type: Draw Down
Test Duration: 30
Test Level: 51.900001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499011

Test Type: Recovery
Test Duration: 2
Test Level: 64.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499017
Test Type: Recovery
Test Duration: 5
Test Level: 60.29999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499022
Test Type: Draw Down
Test Duration: 20
Test Level: 42.400001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499032
Test Type: Draw Down
Test Duration: 60
Test Level: 69.80000305175781
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499009
Test Type: Recovery
Test Duration: 1
Test Level: 66.5999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499025
Test Type: Recovery
Test Duration: 25
Test Level: 40.20000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499029
Test Type: Recovery
Test Duration: 40
Test Level: 31.200000762939453
Test Level UOM: ft

Water Details

Water ID: 1004499005
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 90.0

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004499004
Diameter: 6.0
Depth From: 20.0
Depth To: 100.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1004499003
Diameter: 10.0
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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8 | ***1 of 1*** | ***NE/71.7*** | ***211.8 / 2.00*** | ***2447 ASHODEL 10TH LINE lot 19 con 10 ON*** | ***WWIS***

Well ID: 7189660
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z151257
Tag: A131266
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: 10/16/2012
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3651
Form Version: 7
Owner:
Street Name: 2447 ASHODEL 10TH LINE
County: PETERBOROUGH
Municipality: ASPHODEL TOWNSHIP
Site Info:
Lot: 019
Concession: 10
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7189660.pdf

Additional Detail(s) (Map)

Well Completed Date: 2012/09/06
Year Completed: 2012
Depth (m): 18.288
Latitude: 44.3936227674261
Longitude: -77.9647943369369
Path: 718\7189660.pdf

Bore Hole Information

Bore Hole ID: 1004180087
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Elevation:
Elevrc:
Zone: 18
East83: 263875.00
North83: 4919869.00

Open Hole:
Cluster Kind:
Date Completed: 06-Sep-2012 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004499359
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: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004499360
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004499395
Layer: 1
Plug From: 0.0
Plug To: 31.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004499394
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID:	1004499357
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004499365
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2.0
Depth To:	31.0
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004499366
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:	1004499358
Pump Set At:	50.0
Static Level:	12.399999618530273
Final Level After Pumping:	25.399999618530273
Recommended Pump Depth:	50.0
Pumping Rate:	3.5
Flowing Rate:	
Recommended Pump Rate:	3.5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1004499370
Test Type:	Recovery
Test Duration:	2
Test Level:	23.100000381469727
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1004499388
Test Type:	Recovery

Test Duration: 40
Test Level: 12.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499384
Test Type: Recovery
Test Duration: 25
Test Level: 12.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499389
Test Type: Draw Down
Test Duration: 50
Test Level: 25.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499390
Test Type: Recovery
Test Duration: 50
Test Level: 12.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499369
Test Type: Draw Down
Test Duration: 2
Test Level: 16.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499371
Test Type: Draw Down
Test Duration: 3
Test Level: 17.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499374
Test Type: Recovery
Test Duration: 4
Test Level: 19.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499375
Test Type: Draw Down
Test Duration: 5
Test Level: 18.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499378
Test Type: Recovery
Test Duration: 10
Test Level: 14.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499379
Test Type: Draw Down
Test Duration: 15
Test Level: 21.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499367
Test Type: Draw Down
Test Duration: 1
Test Level: 14.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499387
Test Type: Draw Down
Test Duration: 40
Test Level: 24.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499391
Test Type: Draw Down
Test Duration: 60
Test Level: 25.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499383
Test Type: Draw Down
Test Duration: 25
Test Level: 22.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499386
Test Type: Recovery
Test Duration: 30
Test Level: 12.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499372

Test Type: Recovery
Test Duration: 3
Test Level: 21.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499381
Test Type: Draw Down
Test Duration: 20
Test Level: 22.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499382
Test Type: Recovery
Test Duration: 20
Test Level: 12.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499368
Test Type: Recovery
Test Duration: 1
Test Level: 25.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499385
Test Type: Draw Down
Test Duration: 30
Test Level: 23.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499373
Test Type: Draw Down
Test Duration: 4
Test Level: 17.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499376
Test Type: Recovery
Test Duration: 5
Test Level: 17.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004499377
Test Type: Draw Down
Test Duration: 10
Test Level: 20.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1004499380
Test Type:	Recovery
Test Duration:	15
Test Level:	13.600000381469727
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1004499392
Test Type:	Recovery
Test Duration:	60
Test Level:	12.399999618530273
Test Level UOM:	ft

Water Details

Water ID:	1004499363
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	40.0
Water Found Depth UOM:	ft

Water Details

Water ID:	1004499364
Layer:	2
Kind Code:	8
Kind:	Untested
Water Found Depth:	45.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004499362
Diameter:	6.0
Depth From:	31.0
Depth To:	60.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1004499361
Diameter:	10.0
Depth From:	0.0
Depth To:	31.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	E/72.7	210.5 / 0.69	lot 18 con 10 ON	WWIS

Well ID:	5109754	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/2/1980
Sec. Water Use:	0	***Selected Flag:***	TRUE

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1921
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	ASPHODEL TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	10
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\5109754.pdf

Additional Detail(s) (Map)

Well Completed Date:	1975/07/21
Year Completed:	1975
Depth (m):	21.336
Latitude:	44.3887550939723
Longitude:	-77.9626086807016
Path:	510\5109754.pdf

Bore Hole Information

Bore Hole ID:	10337855	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	264029.50
Code OB Desc:		***North83:***	4919322.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	21-Jul-1975 00:00:00	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932122955
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932122954
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	965109754
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10886425
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930558122
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	12.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	995109754
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	65.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934794460
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934269756
Test Type:	Draw Down
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934541229
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935060014
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.0
Test Level UOM:	ft

Water Details

Water ID:	933812684
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65.0
Water Found Depth UOM:	ft

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10 ***1 of 1*** ***ENE/122.6*** ***214.9 / 5.08*** ***2413 10TH LINE lot 18 con 10 NORWOOD ON*** ***WWIS***

Well ID:	7047958	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	8/9/2007
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6564
Casing Material:		***Form Version:***	3
Audit No:	Z66049	***Owner:***	
Tag:	A055898	***Street Name:***	2413 10TH LINE
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	ASPHODEL TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	10
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/704\7047958.pdf

Additional Detail(s) (Map)

Well Completed Date:	2007/06/11
Year Completed:	2007
Depth (m):	25.908
Latitude:	44.3918640086846
Longitude:	-77.9631862603597
Path:	704\7047958.pdf

Bore Hole Information

Bore Hole ID:	23047958	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263996.00
Code OB Desc:		**North83:**	4919669.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11-Jun-2007 00:00:00	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	30547958
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30.0
Formation End Depth:	85.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	30347958
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES

Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 30447958
Layer: 4
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 30147958
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 30247958
Layer: 2
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.5
Formation End Depth: 4.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 44003213
Layer: 1

Plug From: 0.0
Plug To: 30.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 25947958
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 29047958
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 42147958
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 30.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 42247958
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 30.0
Depth To: 85.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 27047958
Pump Set At: 80.0
Static Level: 19.799999237060547
Final Level After Pumping: 34.52000045776367
Recommended Pump Depth: 80.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 45022921
Test Type: Recovery
Test Duration: 10
Test Level: 22.030000686645508
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022924
Test Type: Draw Down
Test Duration: 2
Test Level: 24.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022930
Test Type: Draw Down
Test Duration: 1
Test Level: 22.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022922
Test Type: Recovery
Test Duration: 40
Test Level: 19.979999542236328
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022923
Test Type: Recovery
Test Duration: 1
Test Level: 30.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022926
Test Type: Draw Down
Test Duration: 3
Test Level: 25.850000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022929
Test Type: Draw Down
Test Duration: 10
Test Level: 30.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022940

Test Type: Draw Down
Test Duration: 30
Test Level: 33.869998931884766
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022942
Test Type: Draw Down
Test Duration: 60
Test Level: 34.52000045776367
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022925
Test Type: Recovery
Test Duration: 2
Test Level: 28.649999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022931
Test Type: Recovery
Test Duration: 4
Test Level: 25.780000686645508
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022933
Test Type: Draw Down
Test Duration: 25
Test Level: 33.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022935
Test Type: Recovery
Test Duration: 15
Test Level: 21.1200008392334
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022928
Test Type: Draw Down
Test Duration: 4
Test Level: 26.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022934
Test Type: Draw Down
Test Duration: 40
Test Level: 34.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022938
Test Type: Recovery
Test Duration: 50
Test Level: 19.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022939
Test Type: Recovery
Test Duration: 25
Test Level: 20.549999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022941
Test Type: Draw Down
Test Duration: 50
Test Level: 34.439998626708984
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022944
Test Type: Draw Down
Test Duration: 15
Test Level: 32.20000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022927
Test Type: Recovery
Test Duration: 3
Test Level: 27.049999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022943
Test Type: Recovery
Test Duration: 30
Test Level: 20.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022932
Test Type: Draw Down
Test Duration: 5
Test Level: 27.850000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022936
Test Type: Draw Down
Test Duration: 20
Test Level: 33.02000045776367
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022937
Test Type: Recovery
Test Duration: 5
Test Level: 24.75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 45022945
Test Type: Recovery
Test Duration: 20
Test Level: 20.75
Test Level UOM: ft

Water Details

Water ID: 41247958
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 78.0
Water Found Depth UOM: ft

Water Details

Water ID: 41147958
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 81.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 46002176
Diameter: 6.0
Depth From: 30.0
Depth To: 85.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 46002177
Diameter: 8.0
Depth From: 0.0
Depth To: 30.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

11	1 of 1	NE/136.0	214.1 / 4.31	lot 18 con 10 ON	WWIS

Well ID:	5100163	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/6/1966
Sec. Water Use:	0	**Selected Flag:**	TRUE
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4901
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PETERBOROUGH
Elevation (m):		**Municipality:**	ASPHODEL TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	018
Well Depth:		**Concession:**	10
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\5100163.pdf

Additional Detail(s) (Map)

Well Completed Date:	1966/08/03
Year Completed:	1966
Depth (m):	18.288
Latitude:	44.3926501550459
Longitude:	-77.9634205751428
Path:	510\5100163.pdf

Bore Hole Information

Bore Hole ID:	10328446	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	263980.50
Code OB Desc:		**North83:**	4919757.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	03-Aug-1966 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932092085
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	

Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932092087
Layer: 3
Color:
General Color:
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932092086
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965100163
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10877016
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930543911
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18.0

Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930543912
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995100163
Pump Set At:
Static Level: 21.0
Final Level After Pumping: 58.0
Recommended Pump Depth: 57.0
Pumping Rate: 1.0
Flowing Rate:
Recommended Pump Rate: 1.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933802715
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35.0
Water Found Depth UOM: ft

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	PETERBOROUGH UTILITIES COMMISSION	KING ST.	PETERBOROUGH ON	
CA	The Corporation of the City of Peterborough	King St	Peterborough ON	
CA	PETERBOROUGH CITY	KING ST. STORM SEWER OUTFALL	PETERBOROUGH CITY ON	
ECA	The Corporation of the City of Peterborough	King St	Peterborough ON	K9H 3R9
LIMO	Norwood Waste Disposal Site The Corporation of the Township of Asphodel-Norwood	Township of Asphodel-Norwood West 1/2 of Lot 19, Concession 9 Peterborough	ON	
PTTW	Pine Crest Golf Course	Lot 16, Concession 11 and Lot 17, Concession 10 Peterborough	ON	
WWIS		lot 18	ON	
WWIS		lot 19	ON	
WWIS		lot 17	ON	
WWIS		lot 19	ON	
WWIS		lot 17	ON	
WWIS		lot 18	ON	
WWIS		lot 17	ON	

Unplottable Report

Site: ***PETERBOROUGH UTILITIES COMMISSION***
KING ST. PETERBOROUGH ON

Database: ***CA***

Certificate #: 7-0134-85-006
Application Year: 85
Issue Date: 4/25/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Peterborough***
King St Peterborough ON

Database: ***CA***

Certificate #: 5284-72MKZB
Application Year: 2007
Issue Date: 5/6/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PETERBOROUGH CITY***
KING ST. STORM SEWER OUTFALL PETERBOROUGH CITY ON

Database: ***CA***

Certificate #: 3-0491-96-
Application Year: 96
Issue Date: 5/31/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Peterborough***
King St Peterborough ON K9H 3R9

Database: ***ECA***

Approval No: 5284-72MKZB ***MOE District:***

Approval Date: 2007-05-06
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the City of Peterborough
Address: King St
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1139-6YKPT3-14.pdf
PDF Site Location:

Site: ***Norwood Waste Disposal Site The Corporation of the Township of Asphodel-Norwood Township of Asphodel-Norwood West 1/2 of Lot 19, Concession 9 Peterborough ON***

Database: ***LIMO***

ECA/Instrument No: A680053
Oper Status 2016: Open
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
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:
Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfll Gas:
Lndfll Gas Coll:
Total Waste Rec:
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: Norwood Waste Disposal Site
The Corporation of the Township of Asphodel-Norwood
Township of Asphodel-Norwood
Site Location Details:
Service Area:
Page URL:

Site: ***Pine Crest Golf Course Lot 16, Concession 11 and Lot 17, Concession 10 Peterborough ON***

Database: ***PTTW***

EBR Registry No: IA05E0075
Ministry Ref No: ER-6618-67NSMG
Notice Type: Instrument Decision
Notice Stage:
Notice Date: March 21, 2005
Proposal Date: January 19, 2005
Year: 2005
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Pine Crest Golf Course
Site Address:
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Location Other:
Proponent Name:
Proponent Address: RR 8, Peterborough Ontario, K9J 6X9
Comment Period:
URL:

Site Location Details:

Lot 16, Concession 11 and Lot 17, Concession 10 Peterborough

Site:
lot 18 ON

Database:
WWIS

Well ID: 5119689
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 252452
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/2/2003
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2662
Form Version: 2
Owner:
Street Name:
County: PETERBOROUGH
Municipality: INDIAN RESERVE CURVE LAKE 35
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11099481
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Apr-2003 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932949203
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932949207
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 54.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932949206
Layer: 4
Color: 4
General Color: GREEN
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 52.0
Formation End Depth: 54.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932949204
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 1.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932949205
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932949208
Layer: 6
Color: 7
General Color: RED
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933246915
Layer: 1
Plug From: 0.0
Plug To: 14.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933246916
Layer: 2
Plug From: 14.0
Plug To: 18.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933246917
Layer: 3
Plug From: 18.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965119689
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11103196
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930835164
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930835163
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	995119689
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	55.0
Recommended Pump Depth:	68.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934800253
Test Type:	Draw Down
Test Duration:	45
Test Level:	45.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935063034
Test Type:	Draw Down
Test Duration:	60
Test Level:	55.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934274397

Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934544565
Test Type: Draw Down
Test Duration: 30
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 934044766
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 52.0
Water Found Depth UOM: ft

Site:
lot 19 ON

Database:
WWIS

Well ID: 5113739
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 54754
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/3/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3129
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: INDIAN RESERVE CURVE LAKE 35A
Site Info:
Lot: 019
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10341785
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06-Feb-1983 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 932137533
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932137534
Layer: 3
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 14.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932137535
Layer: 4
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 29.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932137532
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965113739
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10890355
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930562597
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 29.0
Casing Diameter: 30.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995113739
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 12.0
Recommended Pump Depth: 27.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 4.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934263832
Test Type: Draw Down
Test Duration: 15
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934534849
Test Type: Draw Down
Test Duration: 30
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	935054156
Test Type:	Draw Down
Test Duration:	60
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934796801
Test Type:	Draw Down
Test Duration:	45
Test Level:	11.0
Test Level UOM:	ft

Water Details

Water ID:	933817201
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20.0
Water Found Depth UOM:	ft

Site:
lot 17 ON

Database:
WWIS

Well ID:	5115468	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/20/1991
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5020
Casing Material:		***Form Version:***	1
Audit No:	88103	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	INDIAN RESERVE CURVE LAKE 35
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10343512	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-Aug-1991 00:00:00	***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: 932143800
Layer: 1
Color: 2
General Color: GREY
Mat1: 12
Most Common Material: STONES
Mat2: 02
Mat2 Desc: TOPSOIL
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932143801
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 81.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933173559
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965115468
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10892082
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930564497
Layer: 1
Material:

Open Hole or Material:
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995115468
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 80.0
Recommended Pump Depth: 75.0
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate: 3.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935059125
Test Type: Recovery
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934802196
Test Type: Recovery
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934268874
Test Type: Recovery
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934539839
Test Type: Recovery
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933819055
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 45.0
Water Found Depth UOM: ft

Site:
lot 19 ON

Database:
WWIS

Well ID: 5116250
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 134179
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: 7/8/1993
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2104
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: INDIAN RESERVE CURVE LAKE 35
Site Info:
Lot: 019
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10344294
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08-Jun-1993 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932146754
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932146757

Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 41.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932146756
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 6.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932146755
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965116250
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10892864
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930565460

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995116250
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 36.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934804427
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934262377
Test Type: Draw Down
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934542095
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935052564
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933819937
Layer: 1

Kind Code:	5
Kind:	Not stated
Water Found Depth:	28.0
Water Found Depth UOM:	ft

Site:

lot 17 ON

Database:
WWIS

Well ID:	5117071	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/4/1995
Sec. Water Use:		***Selected Flag:***	TRUE
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2104
Casing Material:		***Form Version:***	1
Audit No:	163778	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PETERBOROUGH
Elevation (m):		***Municipality:***	INDIAN RESERVE CURVE LAKE 35
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10345105	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	22-Sep-1995 00:00:00	***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:	932149887
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	13.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932149888
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 102.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933174665
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965117071
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10893675
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930566533
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995117071
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 90.0
Recommended Pump Depth: 97.0
Pumping Rate: 0.0
Flowing Rate:
Recommended Pump Rate: 1.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

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

Draw Down & Recovery

Pump Test Detail ID: 934797427
Test Type: Draw Down
Test Duration: 45
Test Level: 90.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934273238
Test Type: Draw Down
Test Duration: 15
Test Level: 90.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934535532
Test Type: Draw Down
Test Duration: 30
Test Level: 90.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935063504
Test Type: Draw Down
Test Duration: 60
Test Level: 90.0
Test Level UOM: ft

Water Details

Water ID: 933820908
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 28.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 5118083
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 190850
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 3/30/1999
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1455
Form Version: 1
Owner:
Street Name:
County: PETERBOROUGH
Municipality: PETERBOROUGH CITY
Site Info:
Lot: 018
Concession:
Concession Name:

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

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10346112
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 22-Oct-1998 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932153857
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932153858
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932153860
Layer: 4
Color: 2
General Color: GREY

Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 27.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932153859
Layer: 3
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933175628
Layer: 1
Plug From: 0.0
Plug To: 10.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965118083
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10894682
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930567996
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 27.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995118083
Pump Set At:
Static Level: 24.0
Final Level After Pumping: 36.0
Recommended Pump Depth:
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934278147
Test Type: Recovery
Test Duration: 15
Test Level: 26.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934547229
Test Type: Recovery
Test Duration: 30
Test Level: 24.0
Test Level UOM: ft

Water Details

Water ID: 933822075
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 42.0
Water Found Depth UOM: ft

Site:
lot 17 ON

Database: ***WWIS***

Well ID: 5119642
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 252493
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/2/2003
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2662
Form Version: 2
Owner:
Street Name:
County: PETERBOROUGH
Municipality: INDIAN RESERVE CURVE LAKE 35
Site Info:
Lot: 017
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	11099434	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05-May-2003 00:00:00	***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:	932948986
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932948987
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932948985
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932948988
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 27.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933246853
Layer: 1
Plug From: 0.0
Plug To: 18.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 965119642
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11103149
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930835089
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 27.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930835090
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 35.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 995119642
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 33.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935062993
Test Type: Draw Down
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934799795
Test Type: Draw Down
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934273938
Test Type: Draw Down
Test Duration: 15
Test Level: 19.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934544524
Test Type: Draw Down
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 934044706
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 27.0

Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of 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 Nov 2021

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-Sep 30, 2021

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 2019

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Sep 30, 2021

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 -Nov 2021

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Jan 2022

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 - Feb 28, 2022

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011- Feb 28, 2022

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 - Feb 28, 2022

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- Feb 28, 2022

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-Nov 30, 2021

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

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

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: May 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-Nov 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: May 31, 2021

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-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: 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-Feb 2022

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, 2020

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-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jan 2021

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 - Feb 28, 2022

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- 28 Feb 2022

Pipeline Incidents: Provincial PINC

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

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Feb 28, 2022

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2022

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-Sep 30, 2021

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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

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, 2019

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: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011- Feb 28, 2022

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: Sep 30, 2021

Definitions

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

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

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

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

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

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

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

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

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

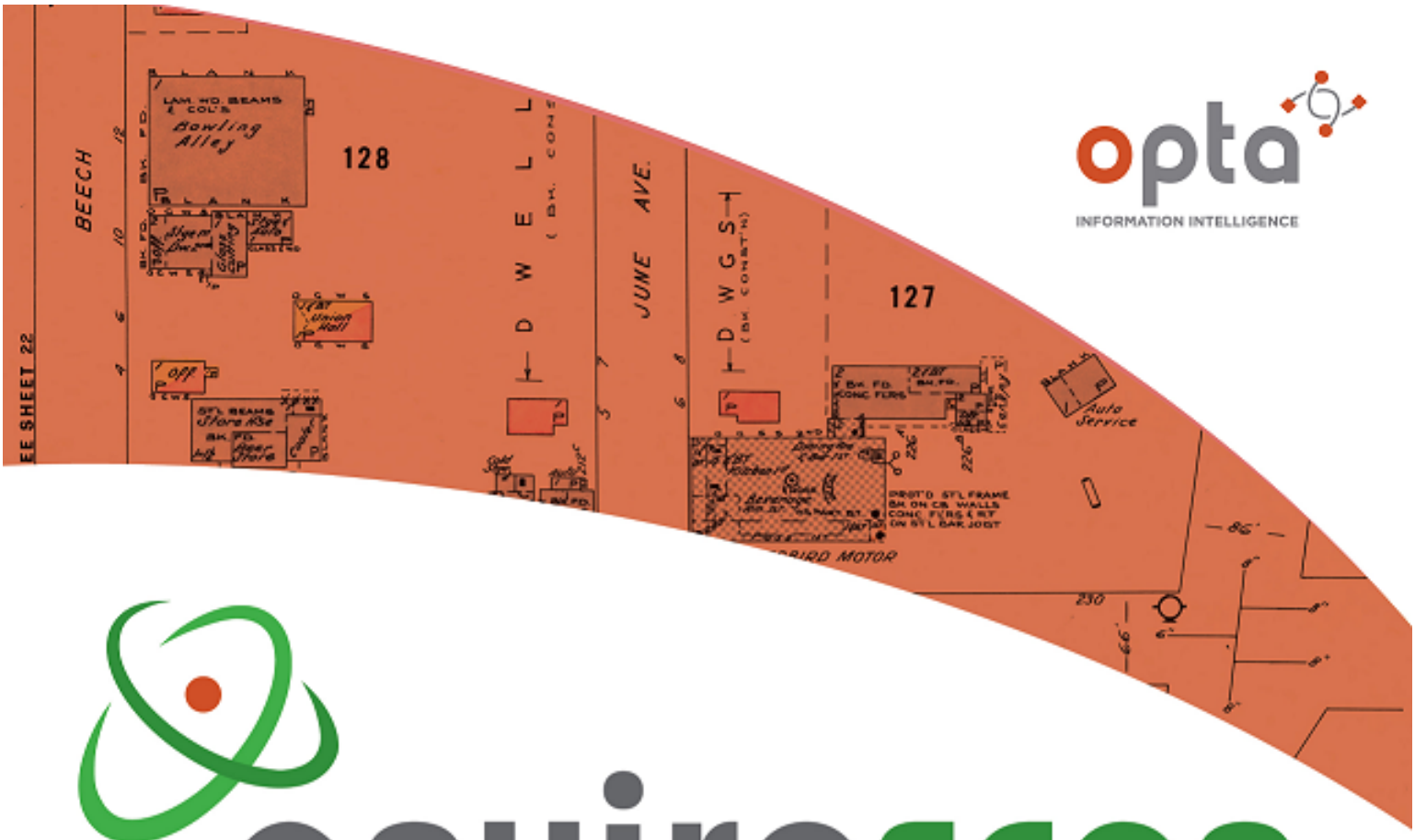
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number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

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

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

Appendix E

Opta Report



opta
INFORMATION INTELLIGENCE

enviroscan

An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Swati

Site Address:

52 Mill StreetNorwood On Canada

Project No:

22032200447

Opta Order ID:

106873

Requested by:

Eleanor Goolab
ERIS

Date Completed:

3/29/2022 8:58:25 AM

Project Name: Phase I Environmental Site Assessment 14288001

Project #: 22032200447

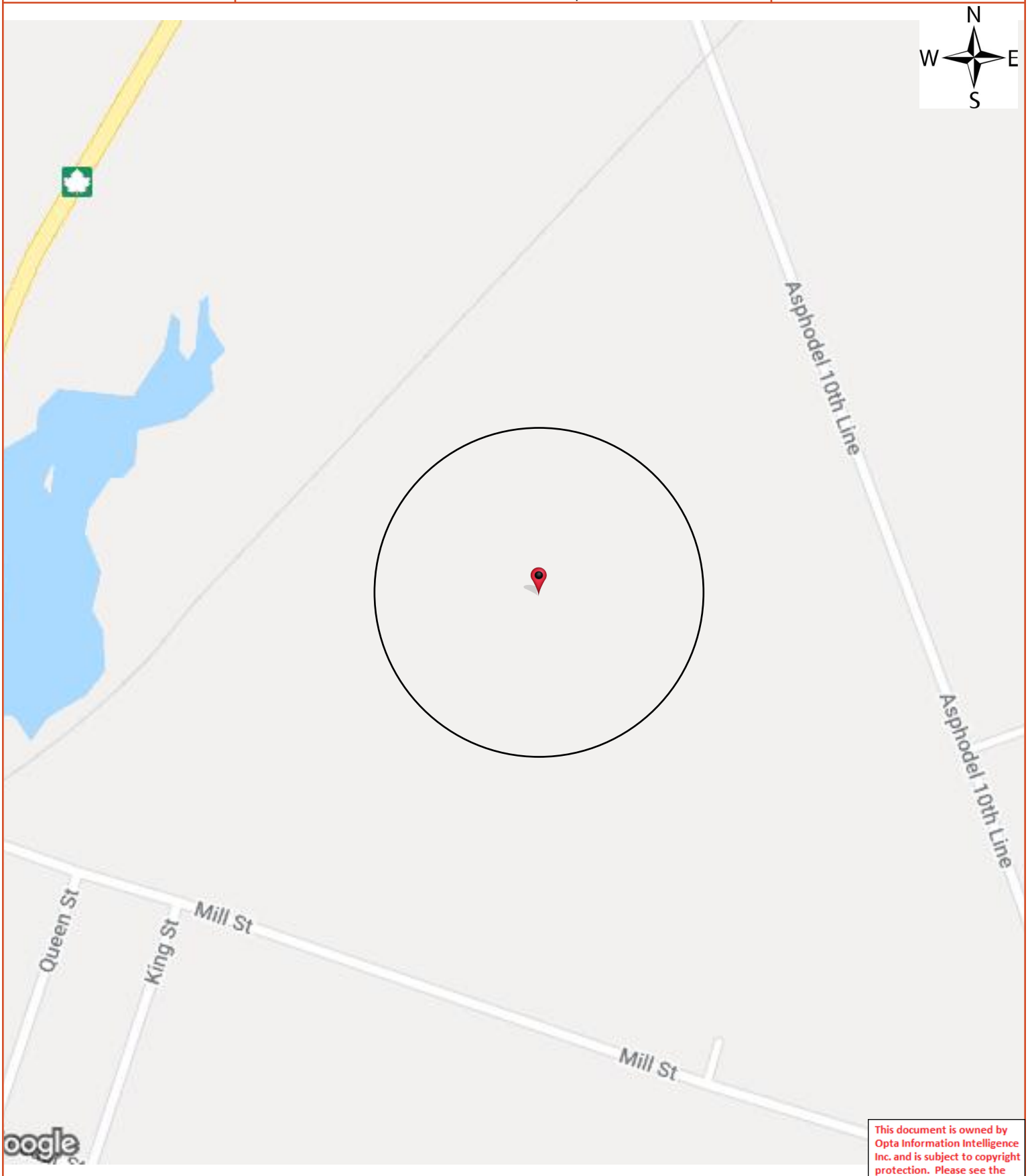
P.O. #: 14288001

ENVIROSCAN Report

Search Area: 52 Mill StreetNorwood On Canada

Requested by:
Eleanor Goolab
Date Completed: 03/29/2022 08:58:25

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

Appendix F

Aerial Imagery Review

Year	Source	Notes
1929	NAPL	The Site and surrounding properties are used for agricultural purposes. The residential dwelling and barn are present on-site and in a similar configuration to today. A wood lot is present in the south-central portion of the Site. There are few residential homes along Mill Street.
1959	NAPL	No significant change to the Site or surrounding properties from the 1929 image.
1965	NAPL	No significant change to the Site or surrounding properties from the 1959 image.
1978	NAPL	No significant change to the Site from the 1965 image. The property occupied by Richard Lutes Cedar, north of the Site, has been cleared.
1987	NAPL	No significant change to the Site or surrounding properties from the 1978 image.
1995	NAPL	No significant change to the Site or surrounding properties from the 1987 image.
2002	GIS	No significant change to the Site or surrounding properties from the 1995 image. Additional development has occurred at Richard Lutes Cedar.
2013	GIS	The Site and surrounding properties are as they appear today. A driveway is present from Mill Street, which crosses the west portion of the Site to give access to 2450 Asphodel 10th Line
2017	GIS	No significant change to the Site or surrounding properties from the 2013 image.

Sources: NAPL – National Air Photo Library
GIS – County of Peterborough online GIS

Appendix G
Curriculum Vitae

CHRISTINE WILSON, B.A. *Senior Project Manager*

Ms. Wilson holds a Bachelor of Arts Honours degree in Environmental Studies from Carleton University. With 13 years of environmental consulting experience, Ms. Wilson has provided both project management and technical support to numerous private Clients on various environmental projects across Canada. Her roles and responsibilities have been at all phases of a project, which include proposal generation, fieldwork, project supervision, report preparation and/or senior reviewing Environmental Site Assessments.

SUMMARY OF PROFESSIONAL EXPERIENCE

September 2021 - Present	Senior Project Manager. Cambium Inc. Kingston, Ontario, Canada *Responsible for senior project management on environmental projects, including proposal preparation, client liaison and project delivery.*
March 2021 - September 2021	Project Manager. Paradigm Properties Inc. Ottawa, Ontario, Canada *Responsibilities included obtaining construction permits for tenants fit-ups and coordinating/supervising commercial construction projects.*
2017 - 2021	Senior Project Manager. Pinchin Ltd. Ottawa, Ontario, Canada *Responsibilities included senior project management on national environmental projects, which included budgeting, coordination of multi-disciplinary project staff, liaison with clients, data analysis and interpretation, report preparation, senior technical review and business development.*
2013 - 2017	Project Manager. Pinchin Ltd. Ottawa, Ontario, Canada *Responsibilities included proposal preparation, conducting Environmental Site Assessments, report preparation and business development.*
2011 - 2013	Environmental Technologist. Franz Environmental Inc. Ottawa, Ontario, Canada *Responsibilities included completing Environmental Site Assessments, groundwater sampling programs and at various properties located across Canada.*
2008 - 2013	Project Technologist. Pinchin Ltd. Ottawa, Ontario, Canada *Responsibilities included completing historical research (i.e., city directories and aerial photographs) at the Library and Archives of Canada and the National Air Photo Library, conducting field assessments and reporting on findings.*

EDUCATION & TRAINING

Education

2008	Bachelor of Arts Honours in Environmental Studies. Carleton University Ottawa, Ontario, Canada

Courses

2018	Mini MBA. McGill Executive Institute Toronto, Ontario, Canada
2013	Leadership/Business Development. Awesome Journey Ottawa, Ontario, Canada
2013	Asbestos Awareness. Pinchin Ltd. Toronto, Ontario, Canada

SELECTED EXPERIENCE

Ms. Wilson has completed hundreds of Environmental Site Assessments for due-diligence purposes on residential, commercial, institutional and industrial properties across Canada. Various assessments have also included completing environmental assessments in support of a Site Plan Application for properties located in Ottawa and Toronto.

David Fleming, B.Sc. *Senior Technologist*

SUMMARY OF PROFESSIONAL EXPERIENCE

2020 – Present Senior Technologist, Cambium Inc.
Peterborough, Ontario, Canada
Assisting Senior Engineers and Project Managers in the preparation and execution of project proposals, field programs, analysis, and reporting.

2018 - 2020 Technologist, Cambium Inc.
Peterborough, Ontario, Canada

2017-2018 Part-Time Professor, Loyalist College
Belleville, Ontario

2011 - 2015 Environmental Technician. GHD Inc. Peterborough, Ontario

EDUCATION & TRAINING

2018 Radiation Safety & Transportation of Dangerous Goods Class 7. Stuart Hunt
Working at Heights. Ministry of Labour WHMIS
2015

2017 Bachelor of Science, Biology. Trent University
Peterborough, Ontario, Canada

2014 Ontario Wetland Evaluation System Certification
CCIL Certified Concrete Field-Testing Technician

2011 Environmental Technology Diploma. Sir Sandford Fleming College Lindsay, Ontario, Canada

SELECTED EXPERIENCE

WASTE DISPOSAL SITE ENVIRONMENTAL MONITORING – VARIOUS LOCATIONS, ONTARIO

Cambium is responsible for solid waste disposal site environmental monitoring, compliance, annual reporting, permitting, and approvals for over forty-eight (48) sites for numerous small to medium-sized municipal and private clients in central and eastern Ontario. As a Field Technologist, Mr. Fleming was responsible for the field scope of services which included coordination with client and laboratories, collection of all required samples and sampling data at each site (groundwater and surface water samples, data pertaining to surface water discharge volumes, landfill gas, and soil samples).

PETERBOROUGH AIRPORT CONTAMINATED STOCKPILE SAMPLING

Responsible for collecting soil samples from contaminated stockpiles at the Peterborough Airport and submit to lab for testing to confirm the level s of contamination. Also responsible for species at risk monitoring of Bank Swallow that were nesting in the piles.

STORMWATER POND DREDGING SOIL SAMPLING AND CLASSIFICATION

The project entailed dredging a storm pond and to sets soils for contaminants, with all soil remaining on site. Responsible for field work of collecting sediment samples to test and categorize soils according to table guidelines for future use (relating to the implementation of Excess Soils Management Regulation Policy).

HEATING OIL SPILL REMEDIATION - PETERBOROUGH

Cambium was retained to remediate soils because of a heating oil spill. Mr. Fleming was responsible for collecting follow-up water samples for testing measures to ensure the remediation was successful.

TRENT VALLEY HONDA IN-SITU REMEDIATION SYSTEM MAINTENANCE - ONGOING

Cambium was responsible for the investigation and the installation of an in-situ remediation system to delineate a petroleum plume. The system is maintained by Cambium and Mr. Fleming's responsibilities include inspections, maintenance, sampling, data interpretation and reporting of all aspects of the pump and treat systems.

GE CANADA ENERGY POWER CONVERSION MONITORING AND MAINTENANCE - ONGOING

Cambium is a local consultant contracted by AECOM for GE Energy Power Conversion onsite work to monitor/maintain operations of treatment system for trichloroethylene. Mr. Fleming is responsible for the routine maintenance which requires onsite work twice a week.

TRENT SEVERN WATERWAY (TSW) NASSAU GUARD GATE REPLACEMENT - PETERBOROUGH

Responsible for the ecological monitoring component of Cambium's Environmental Monitoring Program during the construction of the gate replacement. Monitoring included weekly bio sweeps of bird nest sweeps, fish salvages, tree inventories, surface water sampling in addition to turbidity monitoring and fish salvages at times of in water works construction.

TSW EARTH DAM PRE-CONSTRUCTION SURVEYS - PETERBOROUGH

Responsible for the ecological assessments prior to commencement of construction and implementation of the Cambium's Environmental Monitoring Program which included bird nest sweeps, fish salvages, tree inventories, and surface water sampling.

ENVIRONMENTAL SITE ASSESSMENTS –VARIOUS SITES

As a field technologist, Mr. Fleming has been responsible for completing multiple Phase I and Phase II Environmental Site Assessments for municipal and commercial clients. His role generally included a site walkover, personnel interviews, and a drinking well survey. Mr. Fleming has supervised the detailed subsurface investigations contingent with Phase II assessments including: the excavation of test pits, advancement of overburden and bedrock wells, obtaining overburden soil samples and groundwater samples and soil vapour samples.