

**PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT**

**343 WATERLOO AVENUE
GUELPH, ON**

For:

**2448987 ONTARIO INC.
343 WATERLOO AVENUE
GUELPH, ON. N1H 3K1**

ATTENTION: MR. MORGAN ADAMS

**BLUEWATER GEOSCIENCE
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Project No.: BG-913

December 2024



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December 20, 2024

2448987 Ontario Inc.
343 Waterloo Avenue,
Guelph, ON. N1H 3K1

Attention: Mr. Morgan Adams

Dear Mr. Adams:

Re: **Phase One Environmental Site Assessment
343 Waterloo Avenue; Guelph, ON**

Bluewater Geoscience Consultants Inc. (Bluewater) is pleased to submit this report for the Phase One Environmental Site Assessment (ESA) recently completed for the above captioned property. Bluewater was retained by Mr. Morgan Adams of 2448987 Ontario Inc. (the Client and RSC property owner) to complete a Phase One Environmental Site Assessment (ESA) for a commercial property located at 343 Waterloo Avenue, in Guelph, Ontario (the RSC property). The Client requires a Record of Site Condition (RSC) for a proposed mixed-use re-development of the RSC property; and has commissioned this assessment to support the RSC and the requirements of the City of Guelph.

The following report outlines the assessment procedures and identifies areas of potential and/or actual environmental concern based on information obtained on specific dates through historical reviews, interviews, and site visits. This assessment was conducted in accordance with the requirements of the Ontario Ministry of the Environment, Conservation and Parks (MECP) Ontario Regulation 153/04, as amended; and CSA Standard Z768-01 for Phase One ESAs. A visual reconnaissance of the RSC property and Study Area was completed on November 6, 2024. The investigation completed for this Phase One ESA and the findings and conclusions are briefly summarized in the Executive Summary in Section 1.0, and discussed in greater detail in the body of this report.

We trust that this report is complete within our terms of reference and suitable for your present requirements. If you have any questions or require further information, please do not hesitate to contact our office.

Sincerely,
BLUEWATER GEOSCIENCE CONSULTANTS INC.



Bill Leedham, P. Geo., CESA, QP_{ESA}
Senior Geoscientist



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1.0 EXECUTIVE SUMMARY

Bluewater Geoscience Consultants Inc. (Bluewater) was retained by Mr. Morgan Adams of 2448987 Ontario Inc. (the Client and RSC property owner) to conduct a Phase One Environmental Site Assessment (ESA) of the Commercial Use property located at the municipal address of 343 Waterloo Avenue in Guelph, Ontario (the 'RSC property').

The purpose of the Phase One ESA was to provide the Client with an evaluation of known and potential environmental contaminant issues at the RSC property resulting from current and/or historical activities conducted at the RSC property and/or nearby properties. The client is considering a proposed mixed-use re-development, and requires a Record of Site Condition (RSC) for the re-development. The Phase One ESA involved a review of historical information related to the RSC property and surrounding area, a review of information in publicly-available regulatory databases regarding the RSC property and surrounding area, a walk-through Site reconnaissance, interviews with available persons knowledgeable about past and present activities at the RSC property, observations of activities on properties within 250 metres from the RSC property boundary (the Phase One ESA Study Area for this assessment), and preparation of a report summarizing Bluewater's findings and recommendations. The findings, observations and conclusions of this Phase One ESA report are presented in detail in the text and appendices; and are briefly summarized below.

Based on the Phase One ESA completed, it is Bluewater's opinion that there may be potential environmental concerns present at the RSC property. Potentially Contaminating Activities (PCA) were identified on-Site, and at off-Site properties within the Phase One ESA Study Area. For the purpose of obtaining a Record of Site Condition, a total of nine identified PCA are considered to represent Areas of Potential Environmental Concern (APEC). The identified PCA and associated APEC are summarized below.

On-Site PCA: Application of de-icing agents for winter safety (Not defined as PCA by MECP) – de-icing salt has been applied to the on-site parking lot for the purpose of winter safety, creating an APEC related to the parking area in the western portion of RSC property (referred to as APEC 1). As such, salt-related parameters such as Sodium, SAR and Electrical Conductivity may potentially be present at the RSC property. Based on the findings of the Phase One ESA, no other sources were identified on or off-site, and the potential presence of salt-related parameters can be attributed to de-icing activities at the RSC property (and adjacent municipal roadways), and are therefore being discounted as potential Contaminants of Concern per exemptions set out in paragraphs 1 and 2 of section 49.1 of OR 153/04, as amended.

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – Three underground storage tanks (UST) for gasoline were reportedly located at 335 Waterloo Avenue, adjacent to the east of the RSC property, related to the historical operation of an off-site gasoline service station. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 335 Waterloo Avenue (APEC 2).

Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – A vehicle repair garage is located at 335 Waterloo Avenue, adjacent to the east of the RSC property. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to off-site garage at 335 Waterloo Avenue (APEC 3).

Off-Site PCA: Commercial Autobody Shops (PCA 10) – An historic auto body repair business was formerly located at 335 Waterloo Avenue, adjacent to the east of the RSC property. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to former off-site auto body repair shop at 335 Waterloo Avenue (referred to as APEC 4)

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – Two underground fuel storage tanks (UST) were reportedly located at 371 Waterloo Avenue, to the west of the RSC property, related to the historical operation of a former bus garage and transit facility. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the underground fuel storage tanks at 371 Waterloo Avenue (APEC 5).

Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – An historic municipal bus garage was formerly located at 371 Waterloo Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the former bus garage at 371 Waterloo Avenue (APEC 6).

Off-Site PCA: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems (PCA 52) – The Guelph Transit Commission facility was formerly located at 371 Waterloo Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the historic transit facility at 371 Waterloo Avenue (APEC 7).

Off-Site PCA: Pulp, Paper and Paperboard Manufacturing and Processing (PCA 45) – an historic paper manufacturing facility was formerly located at 103 Beechwood Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the former paper manufacturing facility at 103 Beechwood Avenue (APEC 8).

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – Two underground storage tanks (UST) for gasoline were reportedly located at 338 Waterloo Avenue, across Waterloo Avenue to the south of the RSC property, related to the historical operation of an off-site gasoline service station. This off-site PCA creates an APEC for the southern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 338 Waterloo Avenue (APEC 9).

Five other PCA were identified at off-Site properties within the Phase One Study Area that are not considered to represent an APEC for the RSC property based on the distance from the RSC property and the inferred downgradient location relative to the RSC property. The identified off-Site, non-APEC PCA include:

- Off-Site PCA: Chemical Manufacturing, Processing and Bulk Storage (PCA 8) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Rubber Manufacturing and Processing (PCA 47) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Solvent Manufacturing, Processing and Bulk Storage (PCA 51) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Waste Disposal and Waste Management, including thermal treatment, landfilling & transfer of waste, other than use of biosoils as soil conditioners (PCA 58) – the former Sterling Rubber factory and associated landfill was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – a former vehicle repair garage was historically located at 268 Waterloo Ave., approx. 200 m to east and cross grade of RSC property.

Based on the results of the findings of this Phase One ESA, a total of nine Potentially Contaminating Activities (PCA) have been identified on and off-Site, which have resulted in identification of nine Areas of Potential Environmental Concern (APEC), as noted above. Therefore, a Phase Two ESA is considered necessary to prepare a Record of Site Condition for the RSC property.

2.0 INTRODUCTION

Bluewater Geoscience Consultants Inc. (Bluewater) has conducted a Phase One Environmental Site Assessment (Phase One ESA) of a commercial use property located at 343 Waterloo Avenue in Guelph, Ontario (the RSC property). The RSC property is located on the north side of Waterloo Avenue, east of Beechwood Avenue, as shown in Figure 1, Location Plan of Appendix A. *Note – for the purposes of this report and as illustrated in the appended figures, Waterloo Avenue in the vicinity of the RSC property is considered to run in a west to east direction (relative to ‘Project North’), however, its actual orientation is more southwest to northeast (relative to ‘True North’).*

As shown in Figure 2, Site Plan, and Figure 3 Site Survey Plan, the RSC property consists of an irregular shaped parcel approximately 0.09 ha (0.223 acres) in total area. The RSC property is bordered by residential properties to the north, by Beechwood Avenue to the west with residential and (vacant) industrial/commercial properties beyond, by a commercial auto repair garage to the east with residential and commercial properties beyond, and by Waterloo Avenue to the south with residential and commercial properties beyond.

The RSC property is legally described as “Part Lots 11 and 12, Registered Plan 274, as in ROS 629146, City of Guelph, County of Wellington”. A copy of the legal survey plan is shown in Figure 3, and enclosed in Appendix E. Based on this information the Municipal Assessment Roll Numbers, the Property Identification Number (PIN) and ownership for the RSC property are as follows:

- Municipal Address: 343 Waterloo Avenue
- Roll Number: 2308 050 014 17500 0000
- PIN: 71280-0013 (LT)
- Owner: 2448987 Ontario Inc.

The geo-referencing coordinates for the approximate centre of the RSC property are as follows:

- Latitude: 43.53241 North
- Longitude: -80.2598254 West
- UTM: Zone 17T 4820207N - 559807E

Bluewater was retained by Mr. Morgan Adams, of 2448987 Ontario Inc, to conduct the Phase One ESA. At the time of the Phase One ESA, the contact information for the project sponsor is as follows:

2448987 Ontario Inc.
343 Waterloo Avenue,
Guelph, ON. N1H 3K1
Attn: Mr. Morgan Adams

Throughout this report and in the supporting documents and environmental databases, reference is made to the provincial environmental regulator. In Ontario, this regulatory agency was originally established as the 'Ministry of the Environment' (MOE), which was later changed to the 'Ministry of Environment and Energy' (MOEE), then to the 'Ministry of Environment and Climate Change' (MOECC), and most recently to the 'Ministry of Environment, Conservation and Parks' (MECP). For clarity and consistency, the reader can interpret the use of any or all of these ministry names and corresponding acronyms in this report as referring to the same environmental regulator in the Province of Ontario.

3.0 SCOPE OF INVESTIGATION

Bluewater understands that the Client is considering re-developing the RSC property for mixed use Commercial/Residential Use and requires a Record of Site Condition (RSC) for the RSC property as per Ontario Regulation 153/04 (i.e., Records of Site Condition - Part XV.1 of the Act, made under the Ontario Environmental Protection Act, R.S.O. 1990) (hereafter referred to as "O.R. 153/04", or the "RSC Regulation"), as amended. The City of Guelph has further required the RSC for the planned redevelopment. As such, the purpose of Bluewater's Phase One ESA was to provide the Client with an evaluation of known and/or potential environmental issues at the RSC property resulting from current and/or historic activities conducted at the RSC property and/or adjacent properties in accordance with the requirements of the RSC Regulation.

Bluewater's scope of work for the Phase One ESA involved the following:

- A review of available records pertaining to the current and past uses of the RSC property and surrounding properties wholly or partly located within 250 metres from the boundary of the RSC property (the Study Area);
- Interviews with available persons knowledgeable about the current and past activities at the RSC property;
- Conducting a walk-through visual inspection of the RSC property and making observations of activities on properties wholly or partly located within 250 metres from the RSC property;
- Completing an evaluation of the information gathered from the records review, interviews and Site reconnaissance;
- Preparing a report summarizing Bluewater's findings and recommendations; and
- Submitting the Phase One ESA report to the owner of the RSC property.

The scope of work for the Phase One ESA did not include:

- Conducting any intrusive investigations or preparing detailed cost estimates associated with addressing environmental issues identified during the ESA;
- An assessment of biological features or aspects of the natural environment; or,
- An assessment of permits or licenses that may be required for Site re-development.

4.0 RECORDS REVIEW

4.1 GENERAL

4.1.1 Phase One Study Area Determination

Properties identified within the study radii of 250 metres (per O.R. 153/04, as amended) were evaluated to determine if they were likely to have had an adverse impact on the RSC property. The criteria used to evaluate properties located within the study radii include:

- Distance from the RSC property;
- Expected direction of groundwater flow;
- Presence/absence of large constructed features that may influence groundwater flow direction;
- Likely storm water flow direction;
- Presence/absence of documented contaminant releases at the identified properties; and,
- Industrial activities or other operations of potential concern.

The RSC property is located within the City of Guelph and industrial, commercial, institutional and residential land uses occur within a 250 m radius of the RSC property. As some industrial and commercial land uses may undertake potential contaminating activities, as defined by O.R. 153/04, Bluewater has determined that the Phase One Study Area should include a 250 m radius from the property boundary of the RSC property (Phase One Study Area). The Phase One Study Area, and the land uses at the RSC property and surrounding area are shown in Figure 4 of Appendix A.

4.1.2 First Developed Use Determination

Based on data collected during this assessment; the RSC property was first developed for commercial use in 1966 with construction of the current commercial office building. Bluewater determined this first developed use from a review of aerial photographs, historical maps, municipal records, interviews, and title search data for the RSC property. Based on information from the above noted sources, the historical chronology of the RSC property development is briefly summarized below:

- The site and surrounding land were historically in agricultural/pastoral land use since Guelph was first settled in the early 1800's. The RSC property was part of an original larger parcel of agricultural land, which was subsequently severed into smaller parcels. Crown Grant to the Canada Land Company occurred in 1829, and the current RSC property was severed from the original parcel and the Plan of Subdivision was registered in 1878. The property was subsequently owned by a series of individuals or families from 1878 until first developed use in 1966.

- The RSC property was first developed in 1966 with the construction of an office building for The Guelph & District Association for Retarded Children Inc. (operating as ARC Industries).
- From 1966 to present day, the RSC property has been owned and/or occupied by a series of commercial businesses for their own and/or tenant office space, including but not limited to: ARC, The Canadian Jersey Cattle Club Association of Canada, law offices, real estate agents, mortgage consultants, and financial advisors.
- The current owner, 2448987 Ontario Inc acquired the RSC property in 2015, and the building continued to be used for commercial office space by the owner and tenants.
- Site activities ceased after an interior fire in 2024, and the building has been vacant and unoccupied since that time.

4.1.3 Fire Insurance Plans

Historical Fire Insurance Plans (FIP) for the City of Guelph from 1992, 1897, 1911, 1922, 1929, 1946 and 1960 were reviewed at the Guelph Public Library, and using in-house resources. The following relevant data was noted in the FIP reviewed:

- 1892/1897/1911:
 - No coverage for RSC property or Study Area in the FIP available for review.
- 1922/1929:
 - RSC property is shown as undeveloped.
 - A residence and garage are shown at 337/339 Waterloo Avenue to the east.
 - Residential dwellings are shown to the north and northwest fronting on Beechwood Avenue and Hearn Avenue.
 - The Guelph Transportation Commission facility is shown at 367/371 Waterloo Avenue across Beechwood Avenue to the west, including a Bus Garage and two underground storage tanks (USTs) located in the southeast corner of this off-site property.
 - Two USTs are shown across Waterloo Avenue to the south, at 338 Waterloo Avenue.
 - The Sterling Rubber factory is shown to the southwest across Waterloo Avenue at 364-374 Waterloo Avenue.
- 1946:
 - RSC property is shown as undeveloped.
 - Adjacent and surrounding developments are shown as generally similar to the 1922/1929 FIP.
- 1960:
 - RSC property is shown as undeveloped.

- Except as noted below, the adjacent and surrounding developments are shown as generally similar to the 1922/1929 FIP, including the bus garage, and Sterling Rubber facility to the west and southwest respectively.
- The adjacent property to the east at 337/339 Waterloo Avenue is shown as occupied by a Gasoline Service Station, with a service garage and Oiling bay, and three USTs located on the east side of the garage building.
- PFAFF Refrigeration and Cold Storage is shown to the west across Beechwood Avenue at 103 Beechwood Avenue.
- The two USTs that were shown in 1922-1946 across Waterloo Avenue to the south, at 338 Waterloo Avenue, are no longer shown on the 1960 FIP.

4.1.4 Chain of Title Review

A historical chain of title search was conducted by a freelance title searcher retained by Bluewater. Based on this chain of title data, the chronological history of the development of the RSC property is presented in Section 8.1 of this report.

4.1.5 Environmental Reports

According to the owner's representative, no prior environmental reports are available for the RSC property. The owner reported that a Phase I ESA was completed in 2015 prior to their purchase for transactional due diligence and mortgage financing purposes; however, no copies of this report could be found by the owner, and the original consultant is no longer in business.

4.1.6 Street Directories

Vernon's Street Directories for the City of Guelph were reviewed at the Guelph Public Library in approximate ten-year intervals from 1938 to 2012 (the most recent directory available). Significant findings of the street directory review are summarized below:

- The RSC property is first listed in 1970 at 343 Waterloo Avenue with ARC Industries.
- From 1970 to 2012, the RSC property at 343 Waterloo Avenue is listed as occupied by a variety of office uses, including:
 - ARC Industries (1970's)
 - Jersey Cattlemen/Breeders Association (1980's)
 - Sutton Group Realty, Massage Therapist (1990's)
 - McSherry Law Offices, Insurance Agent(s), Realtor(s), Mortgage Broker(s), Financial Consultants/Advisors, (1990's to 2000's)
- Adjacent or nearby properties with activities of note include:
 - A gasoline station across Waterloo Avenue to the south at 338 Waterloo Avenue, (1930's – 1950's)
 - The Guelph Transit facility and bus garage across Beechwood Avenue to the west at 371 Waterloo Avenue, (1930's – 1970's)

4.2 ENVIRONMENTAL SOURCE INFORMATION

4.2.1 Environmental Risk Information Services (ERIS) Report

ERIS was contracted by Bluewater to conduct a database search for records applicable to the RSC property and properties within a 250 m radius of the RSC property (the Study Area). ERIS responded with a report dated November 1, 2024 for the RSC property. Bluewater makes no warranty as to the accuracy or completeness of the database search conducted by ERIS, nor the records prepared by federal and provincial agencies.

The identification of a property as potentially up-gradient or down-gradient is based on the expected direction of groundwater flow. Groundwater flow direction beneath the Site has not been determined; however topographic contours for the area suggest shallow groundwater flow is generally to the south towards the Speed River. A summary of the relevant information contained in the ERIS database is provided below and includes the number of listings identified in the specified radius. The ERIS report is included as Appendix C.

RSC property:

No database entries were reported for the RSC property.

Properties within the Phase One Study Area:

A total of 49 database entries were reported for off-Site properties located within the Phase One ESA Study Area (i.e., within a 250 m radius of the Site); including the following off-site records of note:

- 22 records were reported for water well/monitoring well/well abandonment; including monitoring wells at several properties along Waterloo Avenue and Beechwood Avenue.
- 8 records were reported for prior ERIS searches; including several properties along Waterloo Avenue and Beechwood Avenue.
- 7 records were reported related to waste generation at commercial facilities; including records for 371 Waterloo Avenue, and 103 Beechwood Avenue.
- 7 records were reported in various databases for spills, releases, or discharges.
- 2 records were reported in databases for fuel storage tanks at the adjacent garage property at 335 Waterloo Avenue.
- 3 records were reported in various databases for environmental permits, approvals or compliance.

Based on review of the database records contained in the ERIS report, no records were identified at the subject Site. The records listed for off-Site commercial properties could indicate a potential for environmental concern based on reported commercial activities, waste generation, and the potential use, storage, releases or disposal of fuels, chemicals or other hazardous materials.

4.2.2 Technical Standards & Safety Authority

The TSSA was contacted by e-mail on December 16, 2024 regarding records of fuel storage tanks that may be listed at the RSC property and adjacent sites. TSSA responded that they have no records of any fuel storage tanks in its database for the RSC property. One TSSA record was reported for an expired full-service gasoline station at 355 Waterloo Avenue, located adjacent to the east of the RSC property (see Appendix D).

4.2.3 Regulatory Databases and Municipal Information Search

Bluewater conducted a search of a number of online databases, including, but not limited to: the Ontario Environmental Registry, the National Pollutant Release Inventory (NPRI), the MECP Landfill Inventory, and the Ontario Brownfields Environmental Site Registry. Additional information was obtained online from the City of Guelph and County of Wellington. Based on this review, Bluewater identified the following relevant information for the RSC property and other properties within the Study Area:

- The RSC property is not listed in the Ontario Environmental Registry.
- The RSC property is not listed in the Ontario Inventory of PCB Storage Sites.
- The RSC property is not listed in the 2010, 2014 and 2017 NPRI databases.
- The MECP Inventory of Landfill Sites did not identify any closed or active landfills located in the Study Area.
- According to the MECP's 1987 Inventory of Coal Gasification Plant Waste Sites in Ontario, and their 1997 report of Coal Tar Site Investigations; there are no historical coal tar sites located within the Study Area.
- According to the Ontario Brownfields Environmental Site Registry, no Records of Site Condition have been filed for the RSC property, and one RSC has been filed for an off-site property at 89 Beechwood Avenue, located 187 m to the NW of the RSC property.
- The Site is zoned OR-36 for Office Residential land use.
- The Site is located within a designated wellhead protection area – WHPA -B for moderate sensitivity.
- The nearest municipal well is located approximately 600 m to the southeast of the RSC property.
- The Site is not located in a wetland, floodplain or other environmentally sensitive area.
- The nearest potentially environmentally sensitive area in the Study Area is located approximately 55 m to the south of the RSC property, associated with the GRCA regulated floodplain of the Speed River.
- A freedom-of-Information request with the City of Guelph reported they have no environmental records for the RSC property (see Appendix D).

4.2.4 Ministry of the Environment Freedom of Information

Bluewater contacted the MECP's Environmental Property Information (EPI) Program to determine if there are MECP records for the RSC property. The EPI Office responded on November 7, 2024 that the MECP do not hold records for the RSC property (see Appendix D).

4.2.5 Property Underwriters' Report and Plans

The owner was not aware of Property Underwriters' Reports or Property Underwriters' Plans available for the RSC property; and no insurance reports or plans were available through ERIS.

4.2.6 Ministry of Natural Resources and Local Conservation Authority

Bluewater reviewed Natural Heritage Area mapping for the Study Area on the Ontario Ministry of Natural Resources (MNR) website for information on areas of natural significance that may be located within the Phase One ESA Study Area. The MNR mapping indicated there are no provincially significant wetlands (PSW), Areas of Natural Scientific Interest (ANSI) or other potentially sensitive areas on or adjacent to the RSC property, or within the Phase One Study Area. According to the Grand River Conservation Authority (GRCA), there are no designated wetlands, regulated areas or other potentially environmentally sensitive lands on, or adjacent to the RSC property. The following potentially environmentally sensitive areas were identified by GRCA mapping within the Study Area:

- the GRCA regulated floodplain of the Speed River and Special Policy Area are located ~55 m to the southeast of the RSC property,
- the Estimated Floodplain of Howitt Creek is located ~78 m to the west,
- Howitt Creek is located ~82 m to the west,
- The Speed River is located ~260 m to the south.

4.3 PHYSICAL SETTING SOURCES

4.3.1 Aerial Photographs

Bluewater completed a review of available historical aerial photographs showing the Phase One ESA study area. Aerial photographs were obtained from a number of sources, including: County of Wellington, GRCA, ERIS report, Archives of Ontario, Guelph Public Library, Google Earth, and Bluewater in-house resources. Aerial photographs and/or satellite imagery for the years, 1930, 1954, 1955, 1966, 1978, 1982, 2000, 2006, 2010, 2015, 2020 and 2022 were reviewed from these sources.

The following is a summary of the photographic review:

1930 - Lands and Forests, Line A2214 #37, Scale 1:15,840

1954 - Hunting Survey Corporation, Photomap Southern Ontario, Scale variable

1955 - Lands and Forests, Line 4325, #24-196, Scale 1:15,840

The RSC property appears to be undeveloped. The surrounding properties appear developed with a mix of industrial/commercial and residential properties along the Waterloo Avenue corridor. The Bus Garage facility and Sterling Rubber facility are present to the west and southwest of the RSC property respectively. Individual details are difficult to distinguish due to the scale and/or quality of the images.

1966 - Energy, Mines and Resources, Line A19049, #81, Scale 1:15,840

1978 - Ministry of Natural Resources, Scale 1:15,840

1982 - Ministry of Natural Resources, Scale 1:15,840

2000 to 2022 – GRCA/Google Earth, Scale Variable

2022 - ESRI (ERIS Report), Scale 1: 10,000

The Site appears to be developed with a commercial-type building, generally similar to present day conditions. Individual details are hard to distinguish in the images prior to 1982 due to image quality and scale. The surrounding area appear to be developed with a mix of residential and commercial properties. The adjacent property to the east appears to be developed with a garage-type facility, generally similar to present day conditions. The Bus Garage facility and Sterling Rubber facility are present in the images prior to 1982, after which they appear to have been redeveloped for residential use.

4.3.2 Topography, Hydrology, Geology, Physiography

Bluewater conducted a review of the following maps and reference documents showing the study area, and relevant information pertaining to the RSC property is summarized below.

- A topographic map available online from Natural Resources Canada - National Topographic System, scale 1:6,000;
- Ontario Department of Mines and Northern Affairs, Pleistocene Geology (1972), and the Ontario Geology Survey (OGS Earth) interactive mapping;
- MNDM Map 2554, entitled “*Bedrock Geology of Ontario, Southern Sheet*”, scale 1:1,000,000, dated 1991; and,
- “*The Physiography of Southern Ontario*”, Third Edition; Chapman, L.J., Putman, D.F., dated 1984.

The RSC property is relatively flat, with an approximate Site elevation of 314.5 masl, and the UTM coordinates are 4820207N / 559807E. The regional topographic gradient and inferred direction of groundwater flow is generally to the south, towards the Speed River, located approximately 260m south of the Site. A topographic map including the Site and Study Area, is provided on page 20 of the ERIS report in Appendix C.

According to Chapman and Putnam in the Physiography of Southern Ontario, the City of Guelph (which includes the Site) is situated in the physiographic region known as the Guelph Drumlin Field. Surficial geology mapping published by the Geological Survey of Canada indicates that the surface geology in the area is primarily fluvial and glacio-fluvial outwash deposits consisting of silts, sands, and gravels. In the area of the Site, bedrock is reported to consist primarily of Paleozoic Era limestone and dolostone of the Guelph and Amabel Formations, which is generally encountered at shallow depths of 2 to 3 m below ground surface, according to off-site well records in the Study Area. Regional groundwater flow in the area is assumed to follow the regional topographic gradient to the south, towards the Speed River.

4.3.3 Fill Materials

Apart from surficial, granular pavement structure, no evidence of potential deposits of imported fill was observed or reported during the Site inspection.

4.3.4 Water Bodies and Areas of Natural Significance

No water bodies or Areas of Natural Significance were observed or reported at the RSC property, or within 30 m of the RSC property boundary. Mapping from the local Conservation Authority and MNR was reviewed, and no floodplains, natural areas or other environmentally sensitive lands were reported at the RSC property, within 30 m of the RSC property boundary. The closest surface water body is Howitt Creek, located ~ 82 m to the west of the RSC property. Based on a review of available data, Bluewater did not identify any areas of natural significance or potential environmental sensitivity at the RSC property, within 30 m of the RSC property.

4.3.5 Well Records

According to online well records from the MECP and Ontario Groundwater Resources, there are no monitoring or water supply wells recorded for the RSC property. There are numerous off-site Well Records for construction and/or abandonment of observation and monitoring wells in the Study Area. Well records in the Study Area generally reported encountering surficial fill/topsoil/pavement structure underlain by native sand and gravel overlying limestone/dolostone bedrock. The closest municipal water supply wells are located, approximately 600m to the southeast.

4.4 SITE OPERATING RECORDS

No current or historical Site operating records were available from the owner of the RSC property, and it is considered unlikely that historical site operations would have any available records, if any were even maintained during the former office activities. The RSC property was first developed in 1966 with the construction of a commercial office building until it closed in 2024. From 1966 to present day, the RSC property has been occupied by a series of

commercial tenant businesses for office space, including but not limited to: ARC, The Canadian Jersey Cattle Club, Jersey Cattle Association of Canada, law offices, real estate agents, mortgage consultants, and financial advisors. No records or evidence of the current or historical presence of industrial activities including bulk liquid dispensing, or dry-cleaning operations were observed or reported for the RSC property.

4.4.1 Regulatory Permits and Records

The owner was not aware of any regulatory permits or records relating to the current operations at the RSC property. During the RSC property reconnaissance, Bluewater was not provided with any regulatory permits and/or records for review.

4.4.2 Material Safety Data Sheets (MSDS)

No MSDS data was available for review for the RSC property.

4.4.3 Underground Utility Drawings

No current Site servicing plans were available for review, and no comments can be provided regarding the current presence or absence of potential site services. Based on utility locates obtained for the pending Phase Two investigation, the RSC property is serviced with municipal water, sanitary sewer, phone, electricity and natural gas.

4.4.4 Chemical Inventories

The owner reportedly does not currently use or store bulk quantities of liquid chemicals, fuels, oils or paints. No chemical inventories would be expected to be associated with historical office activities conducted at the RSC property. During the RSC property reconnaissance, Bluewater was not provided with any chemical inventories for review, and no bulk storage of chemicals was observed during the RSC property inspection.

4.4.5 Inventory of Storage Tanks

No evidence of the current presence of aboveground storage tanks was observed or reported at the Site. The TSSA reported that they had no records of fuel storage tanks at the Site.

4.4.6 Environmental Monitoring Data

The owner was not aware of any environmental monitoring data associated with Site activities. During the RSC property reconnaissance, Bluewater was not provided with any environmental monitoring data for review.

4.4.7 Waste Management Records

According to the ERIS report and the MECP EPI inquiry, the RSC property is not listed in the Reg. 347 Waste Generators database. The owner reported that no hazardous or domestic wastes are currently generated at the Site. No waste management records or activities are reported to be associated with RSC property.

4.4.8 Process, Production and Maintenance Documents

No process, production or maintenance records or activities are reported to be associated with RSC property. During the RSC property reconnaissance, Bluewater was not provided with any process, production or maintenance records for review.

4.4.9 Spill Records

No spill records are reported to be associated with RSC property. During the RSC property reconnaissance, Bluewater was not provided with any spill records for review. No evidence of spills was observed or reported at the RSC property.

4.4.10 Emergency Response Plans

The owner was not aware of any emergency response plans associated with current or former operations. During the RSC property reconnaissance, Bluewater was not provided with any emergency response plans for review.

4.4.11 Environmental Audit Reports

The owner was not aware of any environmental audit reports associated with current or former operations. During the RSC property reconnaissance, Bluewater was not provided with any environmental audit reports for review.

4.4.12 Site Plans

A Survey Plan for the RSC property is shown in Figure 3 and Appendix E.

5.0 INTERVIEWS

Prior to and following the site reconnaissance, further information was gathered from discussions or telephone interviews with the following individuals or agencies, as summarized below:

- **Mr. Morgan Adams** - Mr. Adams is the RSC property owner's representative, and has worked at the property since their purchase in 2015. Mr. Adams provided information

and documents regarding site activities and operations, and accompanied Bluewater on the site reconnaissance.

- **TSSA** – A Public Information Agent with the TSSA reported they have no records on file for the RSC property (see Appendix D).
- **City of Guelph Engineering Services** – Ms. Alexandra Marson with the City of Guelph responded to Bluewater's FOI request, indicating the City has no records of environmental concerns at the RSC property (see Appendix D).
- **MECP Environmental Property Information (EPI) Program** - A Customer Service Representative with the MECP's provided a response to our inquiry, indicating there are MECP records on file for the RSC property (see Appendix D).

The information obtained during the interviews generally corresponds with data obtained from the various other sources of information utilized for the records review; and with conditions observed during the RSC property reconnaissance.

6.0 SITE RECONNAISSANCE

6.1 GENERAL REQUIREMENTS

Mr. Bill Leedham, P. Geo. QP_{ESA} and Mr. Breton Lemieux, P. Geo. QP_{ESA} of Bluewater, visited the RSC property on November 6, 2024; accompanied by Mr. Morgan Adams, the owner's representatives, to conduct a walk-through visual reconnaissance of the RSC property, to evaluate potential on-Site issues, and identify whether any surrounding land uses could impact the environmental condition of the RSC property.

During the RSC property visit, representative photographs of the RSC property were collected, including photographs of the RSC property and surrounding developments. Representative photographs and detailed descriptions are provided in the Photographic Logs in Appendix B. The RSC property reconnaissance commenced at approximately 1:00 pm and terminated at approximately 3:00 pm. At the time of the RSC property reconnaissance the weather was sunny and approximately -2 degrees Celsius.

The visual Site inspection included the entire RSC property. There were no physical barriers, structural restraints or other limitations to the visual inspection of the Site. The adjacent properties were viewed from the limits of the subject property, or from publicly accessible vantage points.

Physical Impediments

There were no physical impediments at the time of the site reconnaissance.

6.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

6.2.1 Site Description

The RSC property is an irregular-shaped parcel, approximately 0.09 ha (0.223 acres) in total area. A Site Plan showing the general layout of the RSC property is presented in Figures 2 and 3 and the Plan of Survey in Appendix E. The property consists of the building envelope, with a paved driveway from Beechwood Avenue, providing access to the concrete surface parking lot and building. The Site contains one commercial building, which has been vacant and unoccupied since an interior fire in May 2024. The perimeter of the property is landscaped with grass and shrubs. The building at the RSC property comprises an approximately 280 m² (3,000 ft²) single storey structure with a concrete/block foundation, slab-on-grade floor with no basement, wood framing, sloped shingled roof, and exterior brick veneer finish. The building interior was completely gutted to the wood framing after the interior fire. The building formerly contained office space, utility/storage room and washrooms. Heating was provided by a natural gas-fired furnace.

6.2.2 Utilities and Mechanical Systems

To the best of our knowledge, the building is serviced by municipal potable water and sewer, electricity, and natural gas. Nearby developments are assumed to be connected to municipal water and sewer services.

Water

The site is serviced by the municipal water system. The City of Guelph's municipal water supply is supplied by treated water obtained from a groundwater source (municipal wells). No municipal supply wells are reported to be located within the Study Area. Bluewater does not anticipate any environmental issues regarding water use at the RSC property.

Wastewater

Sanitary wastewater is reported to be disposed of via the municipal sewers.

Storm Water

Precipitation landing on the RSC property is expected to infiltrate the ground surface, and/or be directed to the municipal storm sewer system via storm drain catch basins in the roadway.

Electricity

Electricity is provided to the buildings via overhead lines from Waterloo Avenue.

Heating and Cooling

Heating and cooling were provided by a natural gas-fired furnace, and central air conditioning unit.

Hydraulic Equipment

No hydraulic equipment was observed or reported at the RSC property.

6.2.3 Above and Underground Storage Tanks

Aboveground Storage Tanks (ASTs)

No evidence of the current or historical presence of aboveground fuel storage tanks was observed or reported at the RSC property.

Underground Storage Tanks (USTs)

No evidence of the current or historical presence of underground fuel storage tanks was observed or reported at the RSC property.

6.2.4 Chemical Storage and Handling

Liquid Chemicals

Bluewater did not observe any current bulk use or storage of chemicals or petroleum products at the RSC property during the RSC property reconnaissance. Historical tenant activities for office use would not be expected to involve the use and storage of fuel or chemical products.

Compressed Gas Storage

Bluewater did not observe the storage of compressed gases at the RSC property during the RSC property reconnaissance.

6.2.6 Unidentified Substances

Bluewater did not observe any unidentified substances at the RSC property at the time of the RSC property reconnaissance.

6.2.7 Spills and Releases (Areas of Stained Soil, Vegetation or Pavement)

The owner was not aware of any spills or releases at the RSC property. No evidence of surface staining was observed at the time of the site visit.

6.2.8 Stressed Vegetation

No evidence of stressed vegetation was observed at the time of the site visit.

6.2.9 Railway Lines

Bluewater did not observe any railway lines at the RSC property or within the Study Area during the RSC property reconnaissance.

6.2.10 Air Emissions

Apart from comfort heating, no current sources of air emissions were observed or reported at the RSC property. No information is available regarding historical sources of air emissions at the RSC property.

6.2.11 Potentially Contaminating Activity

Equipment Maintenance Operations

The owner advised Bluewater that there are no current equipment maintenance operations performed at the RSC property. Bluewater did not observe any equipment maintenance operations at the RSC property during the RSC property reconnaissance which would be associated with potentially contaminating activities.

Fuelling Operations

The owner advised Bluewater that there are no fuelling operations currently performed at the RSC property. Bluewater did not observe any fuelling operations at the RSC property during the RSC property reconnaissance

Dry Cleaning Operations

The owner advised Bluewater that there are no dry-cleaning operations at the RSC property. Bluewater did not observe any dry-cleaning operations at the RSC property during the RSC property reconnaissance.

6.2.12 Fill and Debris Materials

Imported granular materials may be present related to the construction and grading of the surface parking area of the RSC property. Apart from this surficial pavement structure, no evidence of potential deposits of imported fill was observed or reported during the Site inspection.

6.3 ENHANCED INVESTIGATION PROPERTY

Based on the historical commercial office use of the RSC property, the property is not considered to be an Enhanced Investigation property.

6.3.1 Operations (Processing or Manufacturing)

Bluewater did not observe any current industrial processing or manufacturing operations at the RSC property at the time of the RSC property reconnaissance. No evidence of historical processing or manufacturing activities was observed or reported.

6.3.2 Hazardous Materials (Used or Stored)

No evidence of the current use or storage of bulk quantities of potentially hazardous materials was observed or reported at the RSC property during this assessment. Historical tenant activities for office use would not be expected to involve the use and storage of potentially hazardous materials. Although substances that create potential concern such as asbestos, lead paint, and PCB-containing electrical equipment are addressed in this report, the scope of the study is not comparable to nor a substitute for a building materials survey for these substances.

Based on the age of construction of Site building (circa 1966), it is considered possible that Asbestos-Containing Materials, lead-containing paint, or PCB-containing electrical equipment could be present at the site. If asbestos, lead paint or other designated substances were actually present, they would be of concern if significant renovation, construction or demolition were to occur that could expose or damage such materials. If necessary, these potential concerns could be addressed at such time as this type of work may take place. Demolition of the structure would require a Designated Substances Survey (DSS) prior to demolition.

6.3.2.1 Polychlorinated Biphenyls (PCBs)

The building is lit using a mix of fluorescent, incandescent and HID light fixtures. Based on the age of construction, it is considered possible that (original) PCB-containing light ballasts or electrical equipment could be present on-site.

6.3.2.2 Asbestos Containing Materials (ACM)

The term asbestos is applied to a group of naturally occurring fibrous hydrated silicates, which are distinguished from other minerals by their easily separated long thin fibres. The commercially important members of the asbestos family are actinolite, amosite, anthophyllite, chrysotile, crocidolite, and tremolite. The use of asbestos for commercial and industrial applications became commonplace in the late 1800s. Because of its versatility (incombustibility, heat/chemical resistance, and reinforcing properties), asbestos has been used in many products such as thermal insulation, fireproofing, floor tiles, ceiling tiles, cement piping, and corrugated pipe insulating wrap.

Based on the age of construction it is possible that Asbestos Containing Materials (ACM) could be present in building materials in the subject building (i.e., wall board, plaster finishes, floor and ceiling tiles, etc.).

6.3.2.3 Lead

Lead is a heavy metal which has been used in industrial applications. The three forms of lead typically encountered are:

- Metallic Lead - used to make pipes, electrical batteries, lead solder, and electric cable sheaths;
- Inorganic Compounds - usually occurring as constituents of products such as pigments, paints, insecticides, and glass; and,
- Organic Lead Compounds - The most commonly of which are tetramethyl lead and tetraethyl lead, which are used as antiknock additives to gasoline.

Based on the age of construction, it is considered possible that lead-containing paints could be present in the building.

6.3.2.4 Urea Formaldehyde Foam Insulation (UFFI)

Urea Formaldehyde Foam Insulation (UFFI) is low-density foam prepared from a mixture of urea formaldehyde resin, an acid hardening agent solution and a propellant, and was used primarily to insulate cavities in a retrofit of older homes. The use of UFFI was banned in 1980 by the Federal Hazardous Products Act (RF 1985). Although a detailed assessment was not conducted at the time of the site reconnaissance, no visual evidence of sprayed Urea Formaldehyde Foam Insulation (UFFI) (e.g., vent holes and injection points) was found in the readily accessible areas of the building.

6.3.2.5 Ozone Depleting Substances (ODS)

The Site building may have utilized HVAC equipment that could contain potential Ozone-Depleting Substances (ODS). It is possible that Ozone-Depleting Substances (ODS) may be present in cooling equipment at the RSC property.

6.3.3 Products Manufactured

Bluewater did not observe any industrial manufacturing processes or any products being manufactured at the RSC property at the time of the RSC property reconnaissance. No historical on-site manufacturing was reported to have occurred.

6.3.4 By-products and Wastes

Bluewater did not observe any manufactured by-products or manufactured wastes at the RSC property at the time of the site reconnaissance. No records were reported in the Waste Generation (GEN) database or the ERIS report.

6.3.5 Raw Materials Handling and Storage

Historical tenant activities for office use would not be expected to involve the use and storage of potentially hazardous raw materials.

6.3.6 Drums, Totes and Bins

Bluewater did not observe any drums, totes or bins containing liquid chemicals or wastes at the RSC property at the time of the Site reconnaissance.

6.3.7 Oil/Water Separators

Bluewater did not observe any oil/water separators at the RSC property at the time of the Site reconnaissance.

6.3.8 Vehicle and Equipment Maintenance Areas

No evidence of vehicle or equipment repair operations was observed or reported for the RSC property.

6.3.9 Spills and Releases

Bluewater did not observe evidence of spills, accidental releases at the RSC property at the time of the Site reconnaissance. The owner was not aware of any accidental chemical or fuel spills or releases at the RSC property.

6.3.10 Liquid Discharge Points

Bluewater did not observe any liquid discharge points of potential environmental significance at the RSC property at the time of the Site reconnaissance.

6.4 REVIEW OF NEARBY/ADJACENT PROPERTIES

Bluewater reviewed the current land uses of properties within the Phase One ESA Study Area from publicly accessible locations to assess potential environmental contaminant impacts to the RSC property that may arise from off-Site operations. Property uses within the Phase One ESA study area are summarized below and illustrated on the appended Figure 4.

Note – for the purposes of this report and as illustrated in the appended figures, Waterloo Avenue in the vicinity of the RSC property is considered to run in a west to east direction (relative to 'Project North'), however, its actual orientation is more southwest to northeast (relative to 'True North').

No watercourses, wetlands or other areas of natural significance were observed or reported at or within 30 m of the RSC property. Howitt Creek is located ~ 82 m west of the RSC property, and within the Phase One ESA Study Area.

North of the RSC property

Immediately to the north are residential properties fronting on Beechwood Avenue and Hearn Avenue; which are assumed to be located up gradient of the Site.

East of the RSC property

Immediately to the east is an auto repair garage located at 335 Waterloo Avenue, followed by residential and commercial properties fronting on Hearn Avenue and Waterloo Avenue; which are assumed to be located cross-gradient of the Site.

South of the RSC property

Immediately to the south of the Site is Waterloo Avenue, followed by residential and commercial properties fronting on Waterloo Avenue; which are assumed to be located down gradient of the Site.

West of the RSC property

Immediately to the west is Beechwood Avenue, followed by residential and commercial properties fronting on Waterloo Avenue and Beechwood Avenue; which are assumed to be located cross-gradient of the Site.

Summary

Bluewater reviewed the current land uses of properties surrounding the RSC property from publicly accessible locations to assess potential environmental contaminant issues to the RSC property that may arise from off-Site operations. Based on observations of the surrounding properties operations from publicly accessible locations, it is Bluewater's opinion that there are potentially contaminating activities associated with current and/or historic off-site developments in the vicinity of the RSC property.

7.0 WRITTEN DESCRIPTION OF INVESTIGATION

This Phase One ESA comprised a detailed records review and historical research, completed both prior, and subsequent to, the RSC property inspection. A site reconnaissance visit was conducted on November 6, 2024; to visually inspect the RSC property and surrounding properties. Interviews were conducted with the owner's representatives, and other people with knowledge of the RSC property. The information obtained was reviewed and assessed in order to determine if any PCA were present in the Phase One ESA Study Area that could represent an APEC for the RSC property.

Based on this Phase One ESA, a total of fourteen PCA were identified at the Site and within the Study Area, as described in Section 8.2 of this report. Of the identified PCA, nine PCA are considered to result in the identification of nine APEC at the RSC property, as summarized in Section 8.3 of this report. The Phase One Conceptual Site Model is described in Section 8.4. The observations and findings of the various stages of the assessment (records review, site inspections, and interviews) were reviewed and compared for discrepancies and potential data gaps. Based on this review and comparison, the information obtained and the conclusions based on this information are considered to be valid and sufficient to identify the relevant PCA and APEC, and to formulate the Phase One Conceptual Site Model.

8.0 REVIEW AND EVALUATION OF INFORMATION

8.1 CURRENT AND PAST USES

Based on the data collected from the RSC property reconnaissance, interviews and records review; the current and historical property uses are summarized in the tables below:

**"Table of current and past uses of the phase one property"
343 Waterloo Avenue, Guelph, ON**

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
Pre-1829	Crown	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped, and part of larger, original parcel of land. (Source: Title search)
1829-1878	Canada Company	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped, and part of larger, original parcel of land. (Source: Title search, 1862 Wellington County Map)
1878-1878	E. Morris	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. Plan of Subdivision registered in 1878. (Source: Title search)
1878-1904	R. Crowe	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, 1892/1897 FIP)
1904-1911	M. Cheevers	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, 1911 FIP)
1911-1946	T. Cheevers	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, 1922/1929 FIP, 1930 Aerial Photo, City Directories)
1946-1949	C. Clements A. Clements	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, 1946 FIP, City Directories)
1949-1949	I. Awrey	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, City Directories)
1949-1950	C. Clements A. Clements	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, City Directories)
1950-1954	A. Davis E. Davis	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, city Directories)

1954-1955	E. Davis	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, City Directories)
1955-1966	J. Wolfond	Undeveloped	Agricultural or other	RSC property is vacant and undeveloped. (Source: Title search, 1960 FIP, 1955/1966 Aerial Photos, City Directories)
1966-1973	The Guelph & District Association for Retarded Children Inc.	Commercial (Office building)	Commercial	RSC property is first developed in 1966 with construction of a commercial office building for use by ARC. (Source: Title search, City Directories)
1973-1990	The Canadian Jersey Cattle Club Jersey Cattle Association of Canada	Commercial (Office building)	Commercial	RSC property is developed with a commercial office building for use by the Jersey Cattle Assoc. (Source: Title search, 1978/1982 Aerial Photos, City Directories)
1990-2002	L. Starr (nee Gobi) B. Starr	Commercial (Office building)	Commercial	RSC property is developed with a commercial office building for tenant use by a realtor and massage therapist. (Source: Title search, City Directories)
2002-2008	P. McSherry Red Door Holdings Inc. Waterloo Developments	Commercial (Office building)	Commercial	RSC property is developed with a commercial office building for multi-tenant use including: law office, insurance agent, mortgage consultant. (Source: Title search, interviews, City Directories)
2008-2015	Red Door Holdings Inc.	Commercial (Office building)	Commercial	RSC property is developed with a commercial office building for multi-tenant use including: law office, mortgage consultant, real estate agent, financial advisor. (Source: Title search, 2010-2015 Aerial Photos, interviews, City Directories)
2015-Present	2448987 Ontario Inc.	Commercial (Office building)	Commercial	RSC property is developed with a commercial office building for multi-tenant use including: law office, financial planner. Building became vacant and unoccupied in 2024 due to a fire. (Source: Title search, 2015-2023 Aerial Photos, interviews, City Directories, Site reconnaissance)

8.2 POTENTIALLY CONTAMINATING ACTIVITY

According to the Ontario Ministry of the Environment and Climate Change (MECP) under Ontario Regulation 153/04 as amended, a number of on and off-Site activities are defined as a Potentially Contaminating Activity (PCA) and could be considered as an Area of Potential Environmental Concern (APEC).

Based on the Phase One ESA completed, it is Bluewater's opinion that there may be potential environmental concerns present at the RSC property. Potentially Contaminating Activities (PCA) were identified on-Site, and at off-Site properties within the Phase One ESA Study Area. For the purpose of obtaining a Record of Site Condition, a total of nine identified PCA are considered to represent Areas of Potential Environmental Concern (APEC). The identified PCA and associated APEC are summarized below.

On-Site PCA: Application of de-icing agents for winter safety (Not defined as PCA by MECP) – de-icing salt has been applied to the on-site parking lot for the purpose of winter safety, creating an APEC related to the parking area in western portion of RSC property (referred to as APEC 1). As such, salt-related parameters such as Sodium, SAR and Electrical Conductivity may potentially be present at the RSC property. Based on the findings of the Phase One ESA, no other sources were identified on or off-site, and the potential presence of salt-related parameters can be attributed to de-icing activities at the RSC property (and adjacent municipal roadways), and are therefore being discounted as potential Contaminants of Concern per exemptions set out in paragraphs 1 and 2 of section 49.1 of OR 153/04, as amended.

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – three underground storage tanks (UST) for gasoline were reportedly located at 335 Waterloo Avenue, adjacent to the east of the RSC property, related to the historical operation of an off-site gasoline service station. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 335 Waterloo Avenue (APEC 2).

Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – a vehicle repair garage is located at 335 Waterloo Avenue, adjacent to the east of the RSC property. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to off-site garage at 335 Waterloo Avenue (APEC 3).

Off-Site PCA: Commercial Autobody Shops (PCA 10) – an historic auto body repair business was formerly located at 335 Waterloo Avenue, adjacent to the east of the RSC property. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to former off-site auto body repair shop at 335 Waterloo Avenue (referred to as APEC 4)

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – two underground fuel storage tanks (UST) were reportedly located at 371 Waterloo Avenue, to the west of the RSC property, related to the historical operation of a former bus garage and transit facility. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the underground fuel storage tanks at 371 Waterloo Avenue (APEC 5).

Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – an historic municipal bus garage was formerly located at 371 Waterloo Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the former bus garage at 371 Waterloo Avenue (APEC 6).

Off-Site PCA: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems (PCA 52) – the Guelph Transit Commission facility was formerly located at 371 Waterloo Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the historic transit facility at 371 Waterloo Avenue (APEC 7).

Off-Site PCA: Pulp, Paper and Paperboard Manufacturing and Processing (PCA 45) – an historic paper manufacturing facility was formerly located at 103 Beechwood Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the former paper manufacturing facility at 103 Beechwood Avenue (APEC 8).

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – two underground storage tanks (UST) for gasoline were reportedly located at 338 Waterloo Avenue, across Waterloo Avenue to the south of the RSC property, related to the historical operation of an off-site gasoline service station. This off-site PCA creates an APEC for the southern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 338 Waterloo Avenue (APEC 9).

Five other PCA were identified at off-Site properties within the Phase One Study Area, that are not considered to represent an APEC for the RSC property, based on the distance from the RSC property, and the inferred downgradient location relative to the RSC property. The identified off-Site, non-APEC PCA include:

- Off-Site PCA: Chemical Manufacturing, Processing and Bulk Storage (PCA 8) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.

- Off-Site PCA: Rubber Manufacturing and Processing (PCA 47) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Solvent Manufacturing, Processing and Bulk Storage (PCA 51) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Waste Disposal and Waste Management, including thermal treatment, landfilling & transfer of waste, other than use of biosoils as soil conditioners (PCA 58) – the former Sterling Rubber factory and associated landfill was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – a former vehicle repair garage was historically located at 268 Waterloo Ave., approx. 200 m to east and cross grade of RSC property.

Based on the results of the findings of this Phase One ESA, a total of nine Potentially Contaminating Activities (PCA) have been identified on and off-Site, which have resulted in identification of nine Areas of Potential Environmental Concern (APEC), as noted above. Therefore, a Phase Two ESA is considered necessary to prepare a Record of Site Condition for the RSC property.

8.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Based on the MECP definition of Areas of Potential Environmental Concern (APEC) for the purposes of filing the RSC, nine of the PCA identified above are considered to represent nine APEC at the subject Site, as summarized in the table below:

**“Table of Areas of Potential Environmental Concern”
(Refer to Clause 16(2)(a), Schedule D, O. Reg. 153/04)
343 Waterloo Avenue, Guelph, ON**

Area of potential environmental concern ¹	Location of area of potential environmental concern on phase one property	Potentially contaminating activity ²	Location of PCA (on-site or off-site)	Contaminants of potential concern ³	Media potentially Impacted (Ground water, soil and/or sediment)
APEC 1: Winter De-icing	Parking area in western portion of RSC property	Application of de-icing agents for winter safety (Not defined as PCA by MECP)	On-Site	EC, SAR (soil), EC, Na, Cl (GW only)	Soil, Groundwater
APEC 2: Historical fuel storage and dispensing	Eastern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 335 Waterloo Avenue	Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)	Off-Site	PHCs, BTEX, PAHs	Soil, Groundwater
APEC 3: Vehicle Repairs	Eastern boundary of RSC property, adjacent to off-site repair garage at 335 Waterloo Avenue.	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27)	Off-Site	PHCs, VOCs, PAHs, Metals	Soil, Groundwater
APEC 4: Historical Auto Body Repairs	Eastern boundary of RSC property, adjacent to off-site former auto body repair shop at 335 Waterloo Avenue.	Commercial Autobody Shops (PCA 10)	Off-Site	PHCs, VOCs, Metals	Soil, Groundwater
APEC 5: Historical fuel storage	Western boundary of RSC property, across Beechwood Avenue from historical underground fuel storage tanks at 371 Waterloo Avenue	Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)	Off-Site	PHCs, BTEX, PAHs	Groundwater

APEC 6: Historical Bus Garage	Western boundary of RSC property, across Beechwood Avenue from historical bus garage at 371 Waterloo Avenue	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27)	Off-Site	PHCs, VOCs, Metals, PAHs	Groundwater
APEC 7: Historical Transit Commission Facility	Western boundary of RSC property, across Beechwood Avenue from historical Guelph Transit Commission facility at 371 Waterloo Avenue	Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems (PCA 52)	Off-Site	PHCs, VOCs, Metals, PAHs	Groundwater
APEC 8: Historical Paper Manufacturing	Western boundary of RSC property, across Beechwood Avenue from historical paper manufacturing facility at 103 Beechwood Avenue	Pulp, Paper and Paperboard Manufacturing and Processing (PCA 45)	Off-Site	VOCs, metals	Groundwater
APEC 9: Historical fuel storage and dispensing	Southern boundary of RSC property, across Waterloo Avenue from historical underground fuel storage tanks at 338 Waterloo Avenue	Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)	Off-Site	PHCs, BTEX, PAHs	Groundwater

Notes:

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

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

3 - when completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, November 9, 2004, amended as of July 1, 2011, as specified below: Metals; PAHs; VOCs; BTEX; PHCs; EC, SAR, Na, Cl

8.4 PHASE ONE CONCEPTUAL SITE MODEL

A conceptual site model was developed for the RSC property in general accordance with the ASTM International Standard E1689-95 (Reapproved 2008) document, *Standard Guide for Developing Conceptual Site Models for Contaminated Sites*. Based on the available information and data contained in this Phase One ESA report, including our understanding of Site conditions and building construction, Bluewater has developed the following conceptual site model to provide an understanding of the potential sources of contamination, the migration pathways for contamination, and potential receptors as a result of the potential environmental concerns identified in Sections 8.2 and 8.3. The Phase One Conceptual Model is also illustrated graphically in the attached Figures, including:

- Figure 1, Location Plan, shows the location and limits of the RSC property and Study Area, and surrounding properties within the Study Area;
- Figure 2, Site Plan, shows the layout and boundaries of the RSC property;
- Figure 3, Site Survey Plan, shows an excerpt from the OLS Survey depicting boundaries of the RSC property;
- Figure 4, Plan of Study Area - Land Use and PCA, shows land use and the locations and distribution of the PCA identified in the Study Area during the Phase One ESA; and,
- Figure 5, Site Plan of APEC, shows the major components of the Phase One CSM for the RSC property, including the locations, distribution and limits of APEC at the RSC property.

Note – Cross section figures of subsurface conditions at the RSC property will be provided in the final Phase Two CSM for the RSC property.

A description and summary of the Phase One CSM is provided in the text below:

Phase One Conceptual Site Model
<p>Potential Sources:</p> <p><i>Site:</i> One PCA was identified on-Site that is considered to represent an APEC for the western parking lot at the site, specifically: the application of de-icing salt which is considered to be exempt from further investigation, by Regulation (see sections 8.2 and 8.3 for detailed descriptions of the identified PCA and APEC).</p> <p><i>Phase One Study Area:</i> Eight PCA were identified at four off-Site properties within the Phase One ESA Study Area, that are considered to represent APEC for the RSC property, including: historical fuel storage and dispensing, current and historical automotive/vehicle and equipment repairs, historical auto-body repair, and historical paper manufacturing.</p>

Potential Release Mechanisms:

Potential release mechanisms could include spills, leaks, planned or accidental discharges of possible hazardous products during historical and/or current on-site activities (fuel storage and dispensing, automotive/vehicle/equipment and auto-body repairs, industrial activities). Based on the identified PCA and APEC, potential Contaminants of Concern (COC) at the RSC property could include heavy metals, inorganic parameters (EC/SAR, Na, Cl); Petroleum Hydrocarbons (PHC); Volatile Organic Compounds (VOC); Benzene, Toluene, Ethylbenzene and Xylenes (BTEX); and Polycyclic Aromatic Hydrocarbons (PAH);

Potential Pathway and Receptors:

At the RSC property, potential pathways/receptors for contamination were identified as follows:

- Soil: No evidence of actual soil contamination was identified during the Phase One ESA.; however, undiscovered impacts to soil (PHC, VOC/BTEX, metals & inorganics, PAH,) could potentially be present at the RSC property in relation to the identified PCA and APEC.
- Groundwater: No evidence of actual groundwater contamination was identified at the RSC property; however, undiscovered impacts to groundwater (PHC, VOC/BTEX, metals, PAH,) could potentially be present at the RSC property in relation to the identified PCA and APEC.
- Vapour Migration: Although no current soil or groundwater impacts have been identified at the RSC property; vapour migration could be possible, if impacted soil or groundwater from volatile contaminants related to potential off-site contamination were to be present and if vapour migration were to occur.
- Surface Water: No natural surface water bodies or other Potentially Environmentally Sensitive areas were identified at the RSC property or within 30 m of the RSC property.
- Preferential Migration Pathways: Utility services at the RSC property could provide a potential migration pathway, if soil or groundwater impacts are confirmed to be present.

9.0 CONCLUSIONS

Based on the Phase One ESA completed, it is Bluewater's opinion that there may be potential environmental concerns present at the RSC property. Potentially Contaminating Activities (PCA) were identified on-Site, and at off-Site properties within the Phase One ESA Study Area. For the purpose of obtaining a Record of Site Condition, a total of nine identified PCA are considered to represent Areas of Potential Environmental Concern (APEC). The identified PCA and associated APEC are summarized below.

On-Site PCA: Application of de-icing agents for winter safety (Not defined as PCA by MECP) – de-icing salt has been applied to the on-site parking lot for the purpose of winter safety, creating an APEC related to the parking area in western portion of RSC property (referred to as APEC 1). As such, salt-related parameters such as Sodium, SAR and Electrical Conductivity may potentially be present at the RSC property. Based on the findings of the Phase One ESA, no other sources were identified on or off-site, and the potential presence of salt-related parameters can be attributed to de-icing activities at the RSC property (and adjacent municipal roadways), and are therefore being discounted as potential Contaminants of Concern per exemptions set out in paragraphs 1 and 2 of section 49.1 of OR 153/04, as amended.

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – three underground storage tanks (UST) for gasoline were reportedly located at 335 Waterloo Avenue, adjacent to the east of the RSC property, related to the historical operation of an off-site gasoline service station. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 335 Waterloo Avenue (APEC 2).

Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – a vehicle repair garage is located at 335 Waterloo Avenue, adjacent to the east of the RSC property. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to off-site garage at 335 Waterloo Avenue (APEC 3).

Off-Site PCA: Commercial Autobody Shops (PCA 10) – an historic auto body repair business was formerly located at 335 Waterloo Avenue, adjacent to the east of the RSC property. This off-site PCA creates an APEC for the eastern boundary of RSC property, adjacent to former off-site auto body repair shop at 335 Waterloo Avenue (referred to as APEC 4)

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – two underground fuel storage tanks (UST) were reportedly located at 371 Waterloo Avenue, to the west of the RSC property, related to the historical operation of a former bus garage and transit facility. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the underground fuel storage tanks at 371 Waterloo Avenue (APEC 5).

Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – an historic municipal bus garage was formerly located at 371 Waterloo Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the former bus garage at 371 Waterloo Avenue (APEC 6).

Off-Site PCA: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems (PCA 52) – the Guelph Transit Commission facility was formerly located at 371 Waterloo Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the historic transit facility at 371 Waterloo Avenue (APEC 7).

Off-Site PCA: Pulp, Paper and Paperboard Manufacturing and Processing (PCA 45) – an historic paper manufacturing facility was formerly located at 103 Beechwood Avenue, to the west of the RSC property. This off-site PCA creates an APEC for the western boundary of RSC property, across Beechwood Avenue from the reported location of the former paper manufacturing facility at 103 Beechwood Avenue (APEC 8).

Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) – two underground storage tanks (UST) for gasoline were reportedly located at 338 Waterloo Avenue, across Waterloo Avenue to the south of the RSC property, related to the historical operation of an off-site gasoline service station. This off-site PCA creates an APEC for the southern boundary of RSC property, adjacent to off-site underground fuel storage tanks at 338 Waterloo Avenue (APEC 9).

Five other PCA were identified at off-Site properties within the Phase One Study Area that are not considered to represent an APEC for the RSC property based on the distance from the RSC property and the inferred downgradient location relative to the RSC property. The identified off-Site, non-APEC PCA include:

- Off-Site PCA: Chemical Manufacturing, Processing and Bulk Storage (PCA 8) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Rubber Manufacturing and Processing (PCA 47) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Solvent Manufacturing, Processing and Bulk Storage (PCA 51) – the former Sterling Rubber factory was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.

- Off-Site PCA: Waste Disposal and Waste Management, including thermal treatment, landfilling & transfer of waste, other than use of biosoils as soil conditioners (PCA 58) – the former Sterling Rubber factory and associated landfill was historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property.
- Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) – a former vehicle repair garage was historically located at 268 Waterloo Ave., approx. 200 m to east and cross grade of RSC property.

Based on the results of the findings of this Phase One ESA, a total of nine Potentially Contaminating Activities (PCA) have been identified on and off-Site, which have resulted in identification of nine Areas of Potential Environmental Concern (APEC), as noted above. Therefore, a Phase Two ESA is considered necessary to prepare a Record of Site Condition for the RSC property.

9.1 RSC REQUIREMENTS FOR PHASE TWO ESA

Based on the findings of this Phase One ESA; completion of a Phase Two ESA is required before a Record of Site Condition can be submitted.

9.2 RSC BASED ON PHASE ONE ESA ALONE

As detailed in Sections 8.0 and 8.1 above, a Record of Site Condition cannot be filed solely on the basis of the findings of this Phase One ESA.

9.3 SIGNATURES

Prepared by:



Bill Leedham, P. Geo., CESA, QP_{ESA}

Reviewed by:



Breton J. Lemieux, M. Sc., P. Geo., QP_{ESA}

I, Breton Lemieux of Bluewater Geoscience Consultants Inc., confirm the carrying out of this Phase One ESA and the findings and conclusions of this report.

10.0 REFERENCES AND OTHER SOURCES OF INFORMATION

- Barnett, P.J. 1992 Quaternary Geology of Ontario; in Geology of Ontario, Special Volume 4, Part 2, p. 1009-1088.
- Brownfields Environmental Site Registry
- Canadian Standards Association Phase One ESA Standard CSA Z768-01
- Chapman, L.J., Putman, D.F., 1984. The Physiography of Southern Ontario, Third Edition;
- ERIS database report, November 1, 2024
- Google Earth mapping
- Grand River Conservation Authority
- Johnson, M.D., Armstrong, D.K., Sanford, B.V., Telford, P.G., Rutka, M.A., 1992. Paleozoic and Mesozoic Geology in Ontario; in Geology of Ontario, Special Volume 4, Part 2, p.907-1008
- Ministry of the Environment (MOE), June 1991, Waste Disposal Site Inventory
- Ministry of the Environment (MOE), May 1987, Inventory of Coal Gasification Plant Waste Sites in Ontario.
- MNDM Map 2554, "Bedrock Geology of Ontario, Southern Sheet", 1991
- Natural Resources Canada (NRCAN), Toporama, NTS Topographic Map
- National Pollutant Release Inventory, 2015
- Ontario Geological Survey, Special Volume 2
- Ontario Ministry of Natural Resources, Natural Heritage Mapping
- Ontario Regulation 153/04, and 511/096, as amended

11.0 STATEMENT OF LIMITATIONS

The use of this report is subject to the Statement of Limitations presented below. The reader's attention is specifically drawn to the Statement of Limitations as it is considered essential that they be followed for the proper use and interpretation of this report.

This report was prepared for the exclusive use of the Client. This report is based on information and data collected during the completion of Phase One Environmental Site Assessment of the RSC property carried out by Bluewater Geoscience Consultants Inc., and is based solely on the RSC property conditions encountered at the time of the assessment and the applicable guidelines and Standards in place at the time of this investigation. Any use, which a Third Party makes of this report, or any reliance on discussions to be made based on it, is the responsibility of such Third Parties. Bluewater accepts no responsibility for damages, if any, suffered by any Third Party because of decisions made or actions taken based on this report.

The material in this report reflects the judgment of Bluewater in light of the information made available to it at the time of preparation. It should be noted that assessments made throughout this environmental investigation rely heavily on information supplied by others. While every effort has been made to use reliable sources, Bluewater makes no guarantee of the accuracy or completeness of this third-party information. If new information is discovered during future work, including excavation, borings or other studies, Bluewater Geoscience Consultants Inc. should be requested to re-evaluate the conclusions presented in this report and to provide amendments as required.

This assessment does not include, nor is it intended to include, any opinion regarding the suitability of any structure on the RSC property for any particular function, the integrity of the on-site buildings or the geotechnical conditions on the RSC property. Inspections of buildings do not include compliance with building, gas, electrical or boiler codes, or any other federal, provincial or municipal codes not associated with environmental concerns. Should concerns regarding any issue other than environmental matters arise as a result of our investigations, appropriately qualified professionals should address them.

This investigation did not constitute a detailed audit of Asbestos Containing Materials (ACMs), merely a visual observation of potential ACMs in accessible locations. A more in-depth examination of building materials may be required if future renovation, construction or demolition would cause any potential ACMs to become damaged and/or airborne.

This assessment is subject to any restrictions placed by physical obstructions, precipitation, denied access, inaccessible areas, time constraints, cost constraints, readily available documentation, safety considerations, confidentiality, and availability of knowledgeable individuals for interview purposes. A reasonable site evaluation may not identify latent or

hidden contamination. Information in this assessment may also change with time and thus only be accurate on the collection date. This site assessment is a compilation and assessment of available data regarding the subject site and in no way should be considered as a recommendation or rejection of a potential property purchase. This report is not to be reproduced or released to any other party, in whole or in part, without the express written consent of Bluewater Geoscience Consultants Inc.

12.0 QUALIFICATIONS OF SITE ASSESSORS

Bluewater Geoscience Consultants Inc. operates under a Certificate of Authorization from The Professional Geoscientists of Ontario (PGO).

Bill Leedham is a licensed Professional Geoscientist (P. Geo.) registered as a Qualified Person with MECP in accordance with Ontario Regulation 153/04 (as amended); with a Geologic Technologist Diploma from Fleming College in Lindsay, Ontario. Mr. Leedham is the head instructor and course developer for the nationally accredited Phase One and Phase Two ESA Training and Certification courses provided by the Associated Environmental Site Assessors of Canada (AESAC). Mr. Leedham has over thirty-five years of consulting experience in the areas of environmental site assessments, site remediation, geology, contaminant hydrogeology, risk assessment, risk management, pollution prevention, geotechnical investigations and building sciences.

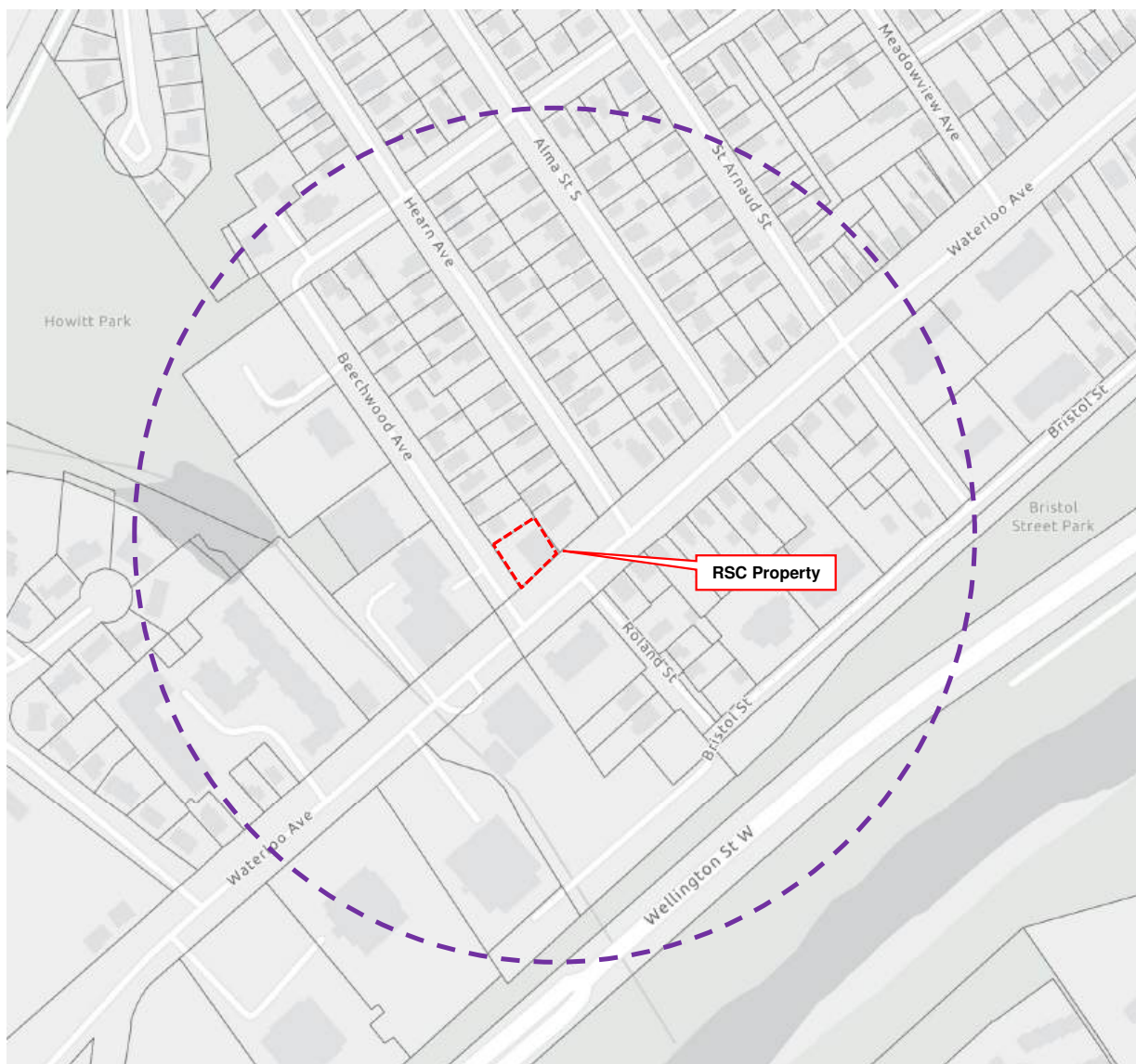
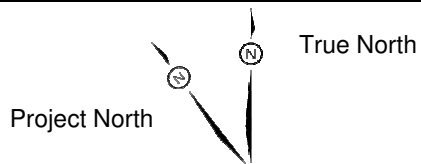
Breton Lemieux is a licensed Professional Geoscientist with over thirty-five years of international environmental consulting experience and is registered as a Qualified Person with MECP in accordance with Ontario Regulation 153/04 (as amended). Mr. Lemieux has a Geologic Technologist Diploma from Fleming College in Lindsay, Ontario, an Honours Bachelor of Science degree in Geology from the University of the West Indies in Kingston, Jamaica and a Master of Science degree from the University of Waterloo. His experience includes conducting Phase One, II and III ESAs at a wide variety of contaminated sites, underground storage tank removal supervision, water supply development, environmental building science and other environmental monitoring projects.

Glossary of Common Acronyms

ACM	Asbestos Containing Material
ANSI	Area of Natural or Scientific Interest
APEC	Area of Potential Environmental Concern
AST	Above Ground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CCME	Canadian Council of Ministers of the Environment
CFC	Chlorofluorocarbons
COA	Certificate of Analysis
COC	Contaminant of Concern <i>or</i> Chain of Custody
CSA	Canadian Standards Association
CSM	Conceptual Site Model
DNAPL	Dense Non-Aqueous Phase Liquid
EPA	Environmental Protection Act
ESA	Environmental Site Assessment
GW	Groundwater
LNAPL	Light Non-Aqueous Phase Liquid
MECP	Ministry of the Environment, Conservation and Parks
MOE	Ministry of the Environment
MOECC	Ministry of the Environment and Climate Change (formerly MOE)
ODS	Ozone Depleting Substances
O.R. 153	Ontario Regulation 153/04, as amended
OWRA	Ontario Water Resources Act
PAH	Polycyclic Aromatic Hydrocarbons
PCA	Potentially Contaminating Activity
PCB	Poly Chlorinated Biphenyls
PHC	Petroleum Hydrocarbons
RA	Risk Assessment
RSC	Record of Site Condition
TPH	Total Petroleum Hydrocarbons
UFFI	Urea Formaldehyde Foam Insulation
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
WT	Water Table

APPENDIX A - FIGURES

- FIGURE 1 - LOCATION PLAN
- FIGURE 2 - SITE PLAN
- FIGURE 3 - SITE SURVEY PLAN
- FIGURE 4 - PLAN OF STUDY AREA AND PCA
- FIGURE 5 - SITE PLAN OF APEC



LEGEND



RSC Property Boundaries



Phase One ESA Study Area (250m radius from Site Boundary)

Base Plan from City of Guelph GIS Mapping

Scale:



42 Shadyridge Place
Kitchener, Ontario
N2N 3J1

Ph: (519) 744-4123
www.bluewatergeoscience.ca

Location Plan

343 Waterloo Avenue
Guelph, Ontario

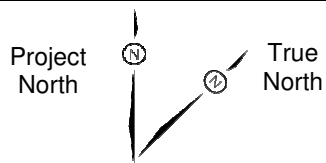
Project No. BG-913 Figure 1

Date:
2024-12-11

Dwn By:
WL

Chkd. By:
BJL

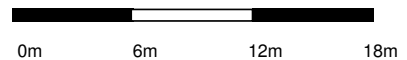
Scale:
As Shown



RSC Property Boundaries

Base Plan from Google Earth

Scale:



42 Shadyridge Place
Kitchener, Ontario
N2N 3J1

Ph: (519) 744-4123
www.bluewatergeoscience.ca

Site Plan

343 Waterloo Avenue
Guelph, Ontario

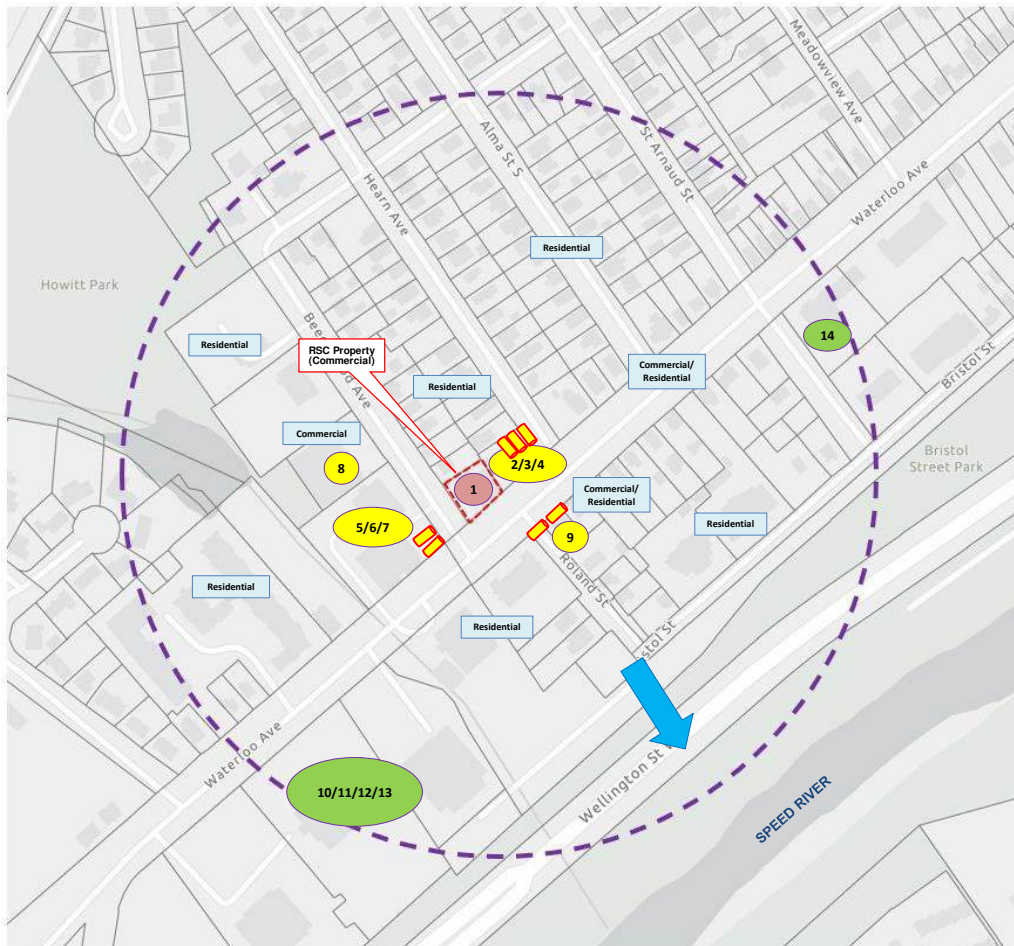
Project No. BG-913 Figure 2

Date:
2024-12-11

Dwn By:
WL

Chkd. By:
BJL

Scale:
As Shown



LEGEND



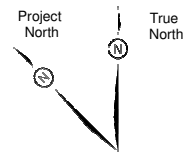
RSC Property Boundaries



Phase One ESA Study Area (250m radius from Site Boundary)

Base Plan from City of Guelph GIS Mapping

Scale:



LEGEND

Summary of Potentially Contaminating Activities

On-Site PCA Which Result in APEC (refer to Figure 5 - Site Plan of APEC)

- 1 On-Site PCA: Non-Defined PCA Application of de-icing salts for winter safety
Western parking lot of RSC Property - Exempt from further investigation

Off-Site PCA Which Result in APEC (refer to Figure 5 - Site Plan of APEC)

- 2 Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)
Eastern boundary of RSC Property, adjacent to 335 Waterloo Ave. with reported USTs
- 3 Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) Eastern boundary of RSC property, adjacent to 335 Waterloo Ave. with vehicle repair garage
- 4 Off-Site PCA: Commercial Autobody Shops (PCA 10) Eastern boundary of RSC property, adjacent to 335 Waterloo Ave. with former autobody shop
- 5 Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) Western boundary of RSC Property, across from 371 Waterloo Ave. with historical USTs
- 6 Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27) Western boundary of RSC Property, across from 371 Waterloo Ave. with historical bus garage
- 7 Off-Site PCA: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems (PCA 52) Western boundary of RSC Property, across from 371 Waterloo Ave. with historical transit facility
- 8 Off-Site PCA: Pulp, Paper and Paperboard Manufacturing and Processing (PCA 45) Western boundary of RSC Property, across from 103 Beechwood Ave. with historical paper manufacturing facility
- 9 Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28) Southern boundary of RSC property, across from 338 Waterloo Ave. with historical gasoline service station and USTs

Off-Site Potentially Contaminating Activities

(that do not result in APEC at the RSC Property)

Denotes Off-Site PCA that is discounted as contributing to APEC at the Site due to distance, topographic gradient and/or low risk nature of operations.

- 10 Off-Site PCA: Chemical Manufacturing, Processing and Bulk Storage (PCA 8) Former Sterling Rubber factory, historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property
- 11 Off-Site PCA: Rubber Manufacturing and Processing (PCA 47) Former Sterling Rubber factory, historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property
- 12 Off-Site PCA: Solvent Manufacturing, Processing and Bulk Storage (PCA 51) Former Sterling Rubber factory, historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property
- 13 Off-Site PCA: Waste Disposal and Waste Management, including thermal treatment, landfilling & transfer of waste, other than use of biosolids as soil conditioners (PCA 58) Former Sterling Rubber factory & landfill, historically located at 264-274 Waterloo Ave., approx. 180 m to southwest and downgrade of RSC property
- 14 Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles (PCA 27) Former vehicle repair garage, historically located at 268 Waterloo Ave., approx. 200 m to east and cross grade of RSC property



Identified Land Use



Inferred Groundwater Flow Direction



Reported UST Location



42 Shadyridge Place
Kitchener, Ontario
N2N 3J1

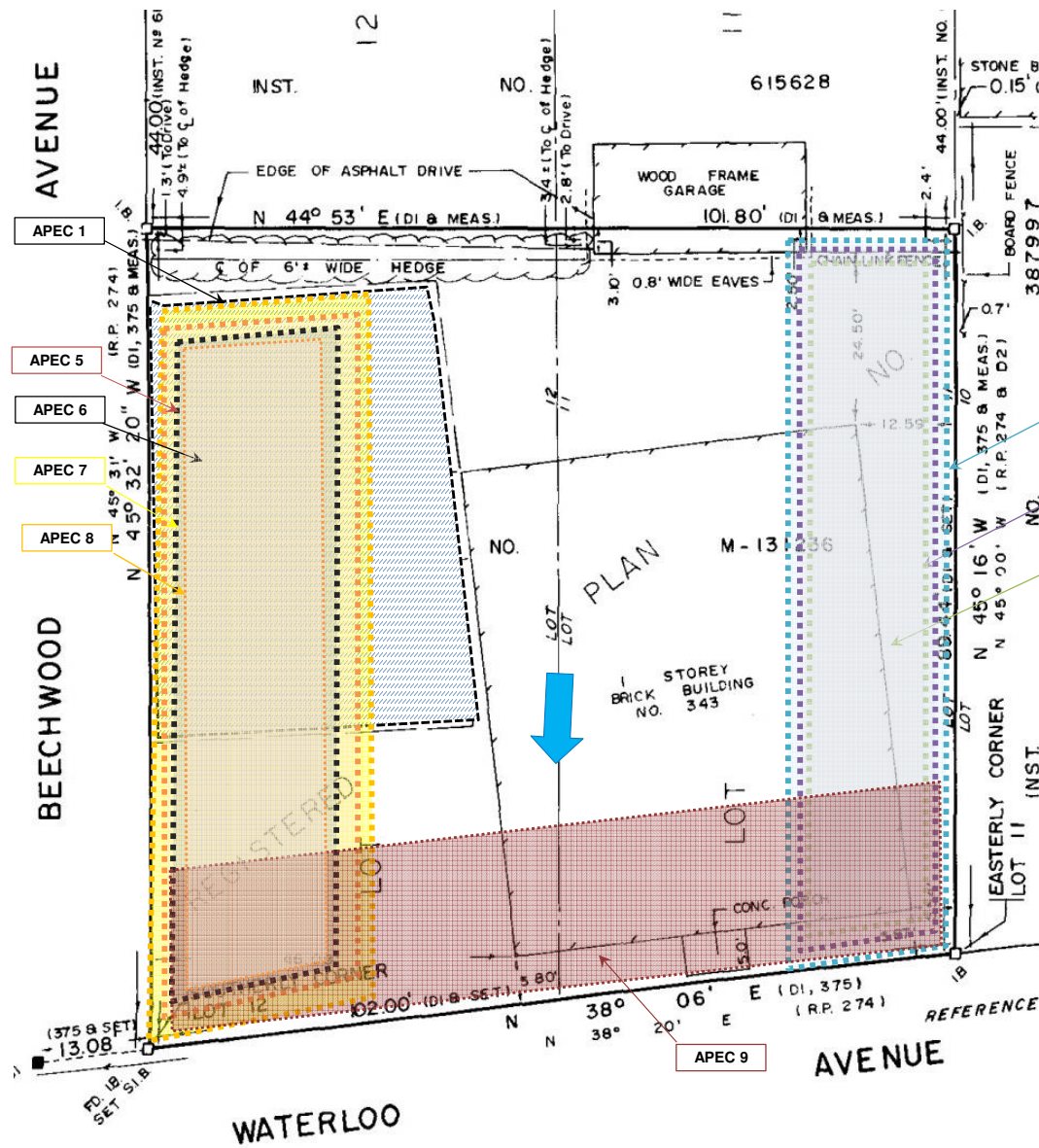
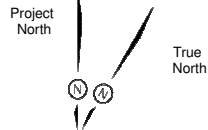
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Plan of Study Area - Land Use and PCA

343 Waterloo Avenue
Guelph, ON

Project No. BG-913 Figure 4

Date: 2024-12-11	Dwn By: WL	Chkd. By: BJL	Scale: As shown
---------------------	---------------	------------------	--------------------



LEGEND

Summary of APEC (See Figure 4 for complete list of PCA)

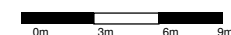
- APEC 1** Parking area in western portion of RSC property
On-Site PCA: Non Defined PCA
Application of de-icing salts for winter safety (exempt from investigation)
- APEC 2** Eastern boundary of RSC property
Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)
Reported USTs & former gasoline service station at 335 Waterloo Ave.
- APEC 3** Eastern boundary of RSC property
Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27)
Operation of repair garage at 335 Waterloo Ave.
- APEC 4** Eastern boundary of RSC property
Off-Site PCA: Commercial Auto Body Shops (PCA 10)
Former Auto body repair shop at 335 Waterloo Ave.
- APEC 5** Western boundary of RSC property
Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)
Reported USTs at former bus garage at 371 Waterloo Ave.
- APEC 6** Western boundary of RSC property
Off-Site PCA: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (PCA 27)
Reported former bus garage at 371 Waterloo Ave.
- APEC 7** Western boundary of RSC property
Off-Site PCA: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems (PCA 52)
Reported former transit facility at 371 Waterloo Ave.
- APEC 8** Western boundary of RSC property
Off-Site PCA: Pulp, Paper and Paperboard Manufacturing and Processing (PCA 45)
Reported former paper manufacturing facility at 103 Beechwood Ave.
- APEC 9** Southern boundary of RSC property
Off-Site PCA: Gasoline and Associated Products Storage in Fixed Tanks (PCA 28)
Reported USTs at former gasoline service station at 338 Waterloo Ave.

Inferred Groundwater Flow Direction

Notes:

- APEC 1 related to winter de-icing of parking lot is exempt from further investigation
APEC 2, 3 and 4 overlap along eastern boundary of RSC Property
APEC 5, 6, 7, and 8 overlap along western boundary of RSC Property

Scale:



Base Plan from Plan of Survey, BSRD, 2009



42 Shadyridge Place
Kitchener, Ontario
N2N 3J1

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Site Plan of APEC

343 Waterloo Avenue
Guelph, ON

Project No. BG-913 Figure 5

Date:
2024-12-11

Dwn By:
WL

Chkd. By:
BJL

Scale:
As shown

APPENDIX B - PHOTOGRAPHIC LOGS

Appendix B
Photo Log - November 2024

343 Waterloo Avenue, Guelph, ON



Photo 1: RSC property, looking northeast from Waterloo Avenue.



Photo 2: RSC property, looking east from Beechwood Avenue.



Photo 3: RSC property, interior of building, shown vacant and gutted.



Photo 4: RSC property, interior of building, shown vacant and gutted.

Appendix B
Photo Log - November 2024

343 Waterloo Avenue, Guelph, ON



Photo 5: Looking northeast at adjacent repair garage at 335 Waterloo Avenue.



Photo 6: Looking west at off-site, former bus garage at 371 Waterloo Avenue.



Photo 7: Looking west at off-site, former paper factory at 103 Beechwood Avenue.



Photo 8: Looking southeast at off-site, former gas station at 338 Waterloo Avenue.

APPENDIX C - ERIS REPORT



DATABASE REPORT

Project Property:	<i>Country Lane 343 Waterloo Avenue Guelph ON N1H 3J8</i>
Project No:	<i>BG-913</i>
Report Type:	<i>Standard Report</i>
Order No:	<i>24110100093</i>
Requested by:	<i>Bluewater Geoscience Consultants Inc.</i>
Date Completed:	<i>November 1, 2024</i>

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Executive Summary

Property Information:

Project Property: Country Lane
343 Waterloo Avenue Guelph ON N1H 3J8

Project No: BG-913

Coordinates:

Latitude: 43.53241
Longitude: -80.2598254
UTM Northing: 4,820,206.87
UTM Easting: 559,806.99
UTM Zone: 17T

Elevation: 1,032 FT
314.58 M

Order Information:

Order No: 24110100093
Date Requested: November 1, 2024
Requested by: Bluewater Geoscience Consultants Inc.
Report Type: Standard Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	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	1	1
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	1	1
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	8	8
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	7	7
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory 1993-2020</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFAS	<i>Ontario PFAS Spills</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PPHA	<i>Potential PFAS Handlers from EASR</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	1	1
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	7	7
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	22	22

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
<hr/>					
		Total:	0	49	49

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	PRT	AVENUE MOTORS LTD	335 WATERLOO AV GUELPH ON N1H 3K1	NNE/27.5	1.33	21
1	DTNK	AVENUE MOTORS LTD	335 WATERLOO AV GUELPH ON N1H 3K1	NNE/27.5	1.33	21
2	WWIS		103 beechwood ave Guelph ON Well ID: 7354189	W/65.1	3.07	21
3	GEN	ENVIRONMENT CANADA	371 WATERLOO AVE., BEHIND SUTTON STEERING & COLLISION LTD. GUELPH ON N1H 3K3	WSW/78.7	1.72	25
3	GEN	GOVT. OF CANADA - ENVIRONMENT CANADA	371 WATERLOO AVENUE REAR OF BUILDING GUELPH ON N1H 3K3	WSW/78.7	1.72	25
3	GEN	J. Lammer Developments Ltd.	371 Waterloo Avenue Guelph ON N1H 3K3	WSW/78.7	1.72	26
4	WWIS		103 beechwood ave Guelph ON Well ID: 7354190	W/89.6	4.22	26
5	GEN	claysam custom homes	32 roland st guelph ON N1H 5Z5	ESE/95.5	-4.28	30
6	EHS		103 beechwood avenue Guelph ON N1H 5Z7	W/95.7	2.85	30
7	GEN	Guelph Police Services	103 Beechwood Ave Guelph ON N1H 5Z7	W/98.0	2.85	30
8	GEN	358 WATERLOO HOLDINGS	ORBIS MANAGEMENT LTD. 358 WATERLOO AVENUE GUELPH ON N1H 7Y3	S/102.7	-3.00	31
9	WWIS		103 beechwood ave Guelph ON	W/111.2	5.27	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7354188			
10	EHS		316 Waterloo Avenue Guelph ON N1H 3J8	ENE/112.2	-1.53	34
11	WWIS		316 Waterloo Avenue lot D Guelph ON Well ID: 7399765	ENE/114.2	-2.78	35
12	WWIS		316 Waterloo Avenue lot D Guelph ON Well ID: 7399766	ENE/117.3	-1.53	38
13	EHS		316 Waterloo Ave Guelph ON N1H3J8	ENE/121.0	-1.53	42
14	WWIS		316 Waterloo Avenue lot D Guelph ON Well ID: 7399826	E/124.8	-3.34	42
15	WWIS		103 beechwood ave Guelph ON Well ID: 7354187	W/133.0	2.81	46
16	SPL		281 Bristol St Guelph ON	E/147.0	-4.73	49
17	WWIS		89 BEECHWOOD AVE Guelph ON Well ID: 7280327	WNW/165.2	6.10	50
17	WWIS		89 Beechwood Ave Guelph ON Well ID: 7378348	WNW/165.2	6.10	53
18	WWIS		89 BEECHWOOD AVE Guelph ON Well ID: 7277024	WNW/178.1	8.40	55
18	WWIS		89 Beechwood Ave Guelph ON Well ID: 7378350	WNW/178.1	8.40	58
19	SPL	AUTOMOTIVE REPAIR SHOP	CREEK BESIDE 364 WATERLOO AVENUE. GUELPH CITY ON N1H 3K2	S/178.9	-7.87	60
19	SPL		Behind 364 Waterloo Ave. Guelph ON	S/178.9	-7.87	61

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	SPL	Unknown<UNOFFICIAL>	catchbasin in front of 364 Waterloo Avenue Guelph ON	S/178.9	-7.87	61
19	SPL	The Corporation of the City of Guelph	364 Waterloo Avenue in Guelph Guelph ON	S/178.9	-7.87	62
20	WWIS		89 BEACHWOOD AVE Guelph ON Well ID: 7286184	W/184.7	4.27	63
20	WWIS		89 Beechwood Ave Guelph ON Well ID: 7378349	W/184.7	4.27	66
21	EHS		89 Beechwood Ave Guelph ON N1H5Z7	WNW/187.6	6.24	68
21	EHS		89 Beechwood Ave Guelph ON N1H5Z7	WNW/187.6	6.24	68
21	ECA	The Corporation of the City of Guelph	89 Beechwood Ave Guelph ON N1H 3A1	WNW/187.6	6.24	68
21	RSC	89 BEECHWOOD INC.	89 BEECHWOOD AVENUE ON Guelph ON	WNW/187.6	6.24	69
22	WWIS		N/A HEARN AVE GUELPH ON Well ID: 7420566	NW/189.8	10.75	69
23	EHS		380 and 400 Waterloo Avenue Guelph ON	SW/193.1	-3.08	72
24	WWIS		ON Well ID: 7176662	WNW/194.2	8.40	72
25	GEN	The Corporation of the County of Wellington Housing Services	387 Waterloo Ave. Guelph ON N1H 3K3	WSW/196.1	0.19	73
26	WWIS		ON	WSW/197.0	-1.73	73

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 6700838			
27	WWIS		89 Beechwood Ave Guelph ON Well ID: 7378347	WNW/202.3	8.89	77
28	WWIS		220 ARKELL RD Guelph ON Well ID: 7286197	WNW/202.6	8.89	79
29	WWIS		89 Beechwood Ave Guelph ON Well ID: 7378346	WNW/203.2	8.89	83
30	WWIS		lot 20 GUELPH ON Well ID: 6715144	S/214.7	-6.34	84
31	SPL	The Corporation of the City of Guelph	70 Alma St Guelph ON	N/229.6	11.23	86
32	WWIS		Wellington Street West Guelph ON Well ID: 7332721	ESE/230.9	-4.60	87
33	EHS		270 Waterloo Avenue Guelph ON N1H 3J5	NE/232.1	-1.70	90
34	WWIS		Wellington Street West Guelph ON Well ID: 7332720	SE/233.6	-4.57	91
35	EHS		270 Waterloo Ave Guelph ON N1H3J5	ENE/239.9	-3.12	94
36	SPL		413 Waterloo Avenue GUELPH ON	SW/241.5	0.17	94
37	CA	BRISTOL ENTERPRISES (GUELPH) LTD.	BRISTOL ST./ST. ARNAUD ST. GUELPH CITY ON	ENE/246.8	-6.65	95

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BRISTOL ENTERPRISES (GUELPH) LTD.	BRISTOL ST./ST. ARNAUD ST. GUELPH CITY ON	ENE	246.80	<u>37</u>

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Oct 2023 has found that there are 1 DTNK site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
AVENUE MOTORS LTD	335 WATERLOO AV GUELPH ON N1H 3K1	NNE	27.47	<u>1</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Aug 31, 2024 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the City of Guelph	89 Beechwood Ave Guelph ON N1H 3A1	WNW	187.60	<u>21</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	103 beechwood avenue Guelph ON N1H 5Z7	W	95.73	<u>6</u>
	89 Beechwood Ave Guelph ON N1H5Z7	WNW	187.60	<u>21</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	89 Beechwood Ave Guelph ON N1H5Z7	WNW	187.60	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	316 Waterloo Avenue Guelph ON N1H 3J8	ENE	112.22	10
	316 Waterloo Ave Guelph ON N1H3J8	ENE	120.96	13
	380 and 400 Waterloo Avenue Guelph ON	SW	193.05	23
	270 Waterloo Avenue Guelph ON N1H 3J5	NE	232.09	33
	270 Waterloo Ave Guelph ON N1H3J5	ENE	239.89	35

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 7 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
J. Lammer Developments Ltd.	371 Waterloo Avenue Guelph ON N1H 3K3	WSW	78.67	3
GOVT. OF CANADA - ENVIRONMENT CANADA	371 WATERLOO AVENUE REAR OF BUILDING GUELPH ON N1H 3K3	WSW	78.67	3
ENVIRONMENT CANADA	371 WATERLOO AVE., BEHIND SUTTON STEERING & COLLISION LTD. GUELPH ON N1H 3K3	WSW	78.67	3

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Guelph Police Services	103 Beechwood Ave Guelph ON N1H 5Z7	W	97.97	7

The Corporation of the County of Wellington Housing Services	387 Waterloo Ave. Guelph ON N1H 3K3	WSW	196.05	25
--	--	-----	--------	--------------------

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
claysam custom homes	32 roland st guelph ON N1H 5Z5	ESE	95.49	5
358 WATERLOO HOLDINGS	ORBIS MANAGEMENT LTD. 358 WATERLOO AVENUE GUELPH ON N1H 7Y3	S	102.73	8

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
AVENUE MOTORS LTD	335 WATERLOO AV GUELPH ON N1H 3K1	NNE	27.47	1

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Aug 2024 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
89 BEECHWOOD INC.	89 BEECHWOOD AVENUE ON Guelph ON	WNW	187.60	21

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024 has found that there are 7 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the City of Guelph	70 Alma St Guelph ON	N	229.60	<u>31</u>
	413 Waterloo Avenue GUELPH ON	SW	241.53	<u>36</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	281 Bristol St Guelph ON	E	146.96	<u>16</u>
	Behind 364 Waterloo Ave. Guelph ON	S	178.91	<u>19</u>
The Corporation of the City of Guelph	364 Waterloo Avenue in Guelph Guelph ON	S	178.91	<u>19</u>
Unknown<UNOFFICIAL>	catchbasin in front of 364 Waterloo Avenue Guelph ON	S	178.91	<u>19</u>
AUTOMOTIVE REPAIR SHOP	CREEK BESIDE 364 WATERLOO AVENUE. GUELPH CITY ON N1H 3K2	S	178.91	<u>19</u>

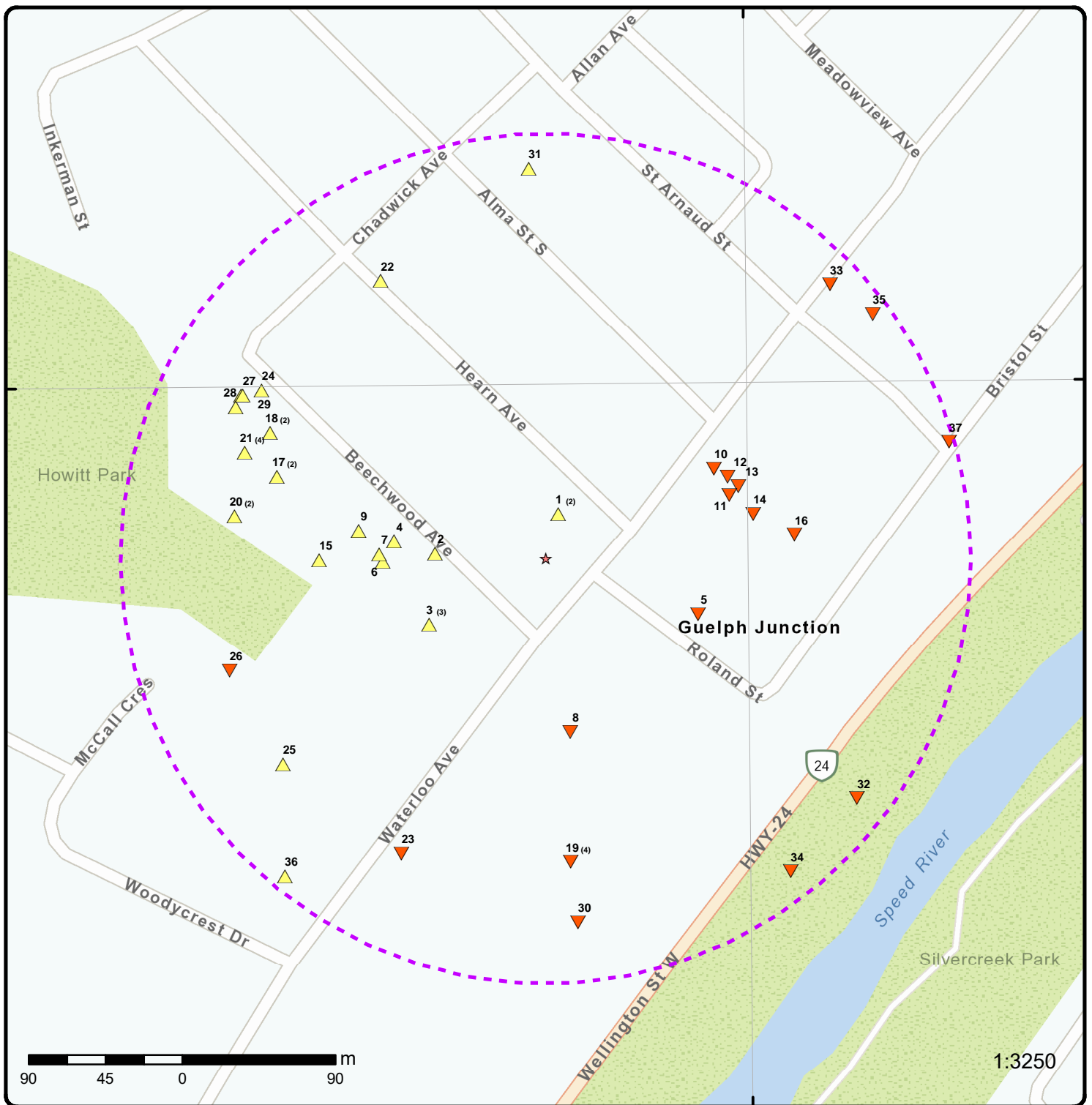
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 22 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	103 beechwood ave Guelph ON <i>Well ID: 7354189</i>	W	65.06	<u>2</u>
	103 beechwood ave Guelph ON <i>Well ID: 7354190</i>	W	89.56	<u>4</u>
	103 beechwood ave Guelph ON	W	111.17	<u>9</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Well ID: 7354188			
	103 beechwood ave Guelph ON	W	132.99	15
	Well ID: 7354187			
	89 BEECHWOOD AVE Guelph ON	WNW	165.16	17
	Well ID: 7280327			
	89 Beechwood Ave Guelph ON	WNW	165.16	17
	Well ID: 7378348			
	89 BEECHWOOD AVE Guelph ON	WNW	178.15	18
	Well ID: 7277024			
	89 Beechwood Ave Guelph ON	WNW	178.15	18
	Well ID: 7378350			
	89 BEACHWOOD AVE Guelph ON	W	184.71	20
	Well ID: 7286184			
	89 Beechwood Ave Guelph ON	W	184.71	20
	Well ID: 7378349			
	N/A HEARN AVE GUELPH ON	NW	189.79	22
	Well ID: 7420566			
	ON	WNW	194.20	24
	Well ID: 7176662			
	89 Beechwood Ave Guelph ON	WNW	202.29	27
	Well ID: 7378347			
	220 ARKELL RD Guelph ON	WNW	202.65	28
	Well ID: 7286197			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	89 Beechwood Ave Guelph ON <i>Well ID: 7378346</i>	WNW	203.17	<u>29</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	316 Waterloo Avenue lot D Guelph ON <i>Well ID: 7399765</i>	ENE	114.22	<u>11</u>
	316 Waterloo Avenue lot D Guelph ON <i>Well ID: 7399766</i>	ENE	117.34	<u>12</u>
	316 Waterloo Avenue lot D Guelph ON <i>Well ID: 7399826</i>	E	124.78	<u>14</u>
	ON <i>Well ID: 6700838</i>	WSW	197.02	<u>26</u>
	lot 20 GUELPH ON <i>Well ID: 6715144</i>	S	214.71	<u>30</u>
	Wellington Street West Guelph ON <i>Well ID: 7332721</i>	ESE	230.95	<u>32</u>
	Wellington Street West Guelph ON <i>Well ID: 7332720</i>	SE	233.55	<u>34</u>



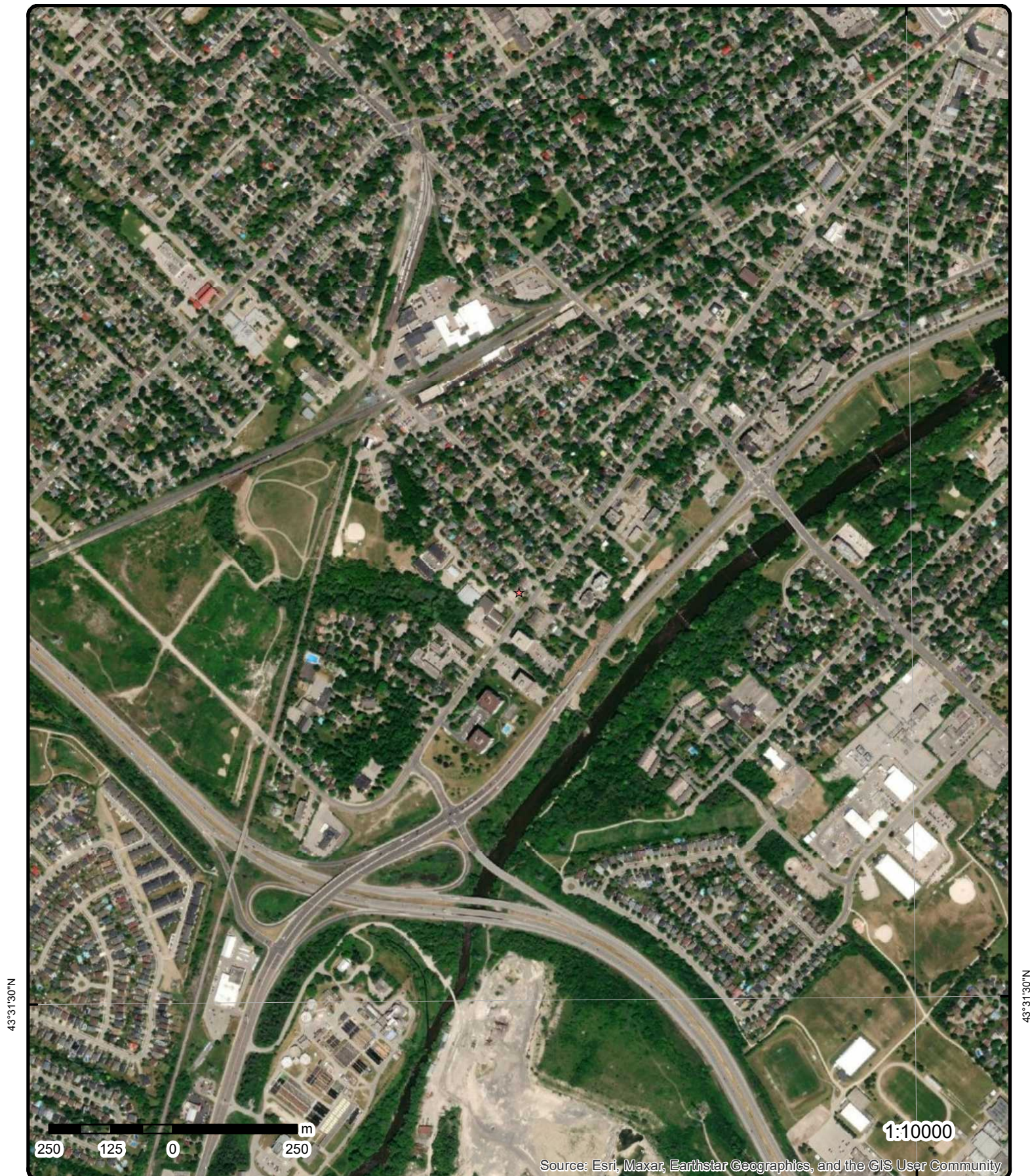
Map: 0.25 Kilometer Radius

Order Number: 24110100093

Address: 343 Waterloo Avenue, Guelph, ON



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



43°31'30"N

43°31'30"N

Aerial**Year: 2022****Order Number: 24110100093****Address: 343 Waterloo Avenue, Guelph, ON****Source:** ESRI World Imagery

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80°16'30"W

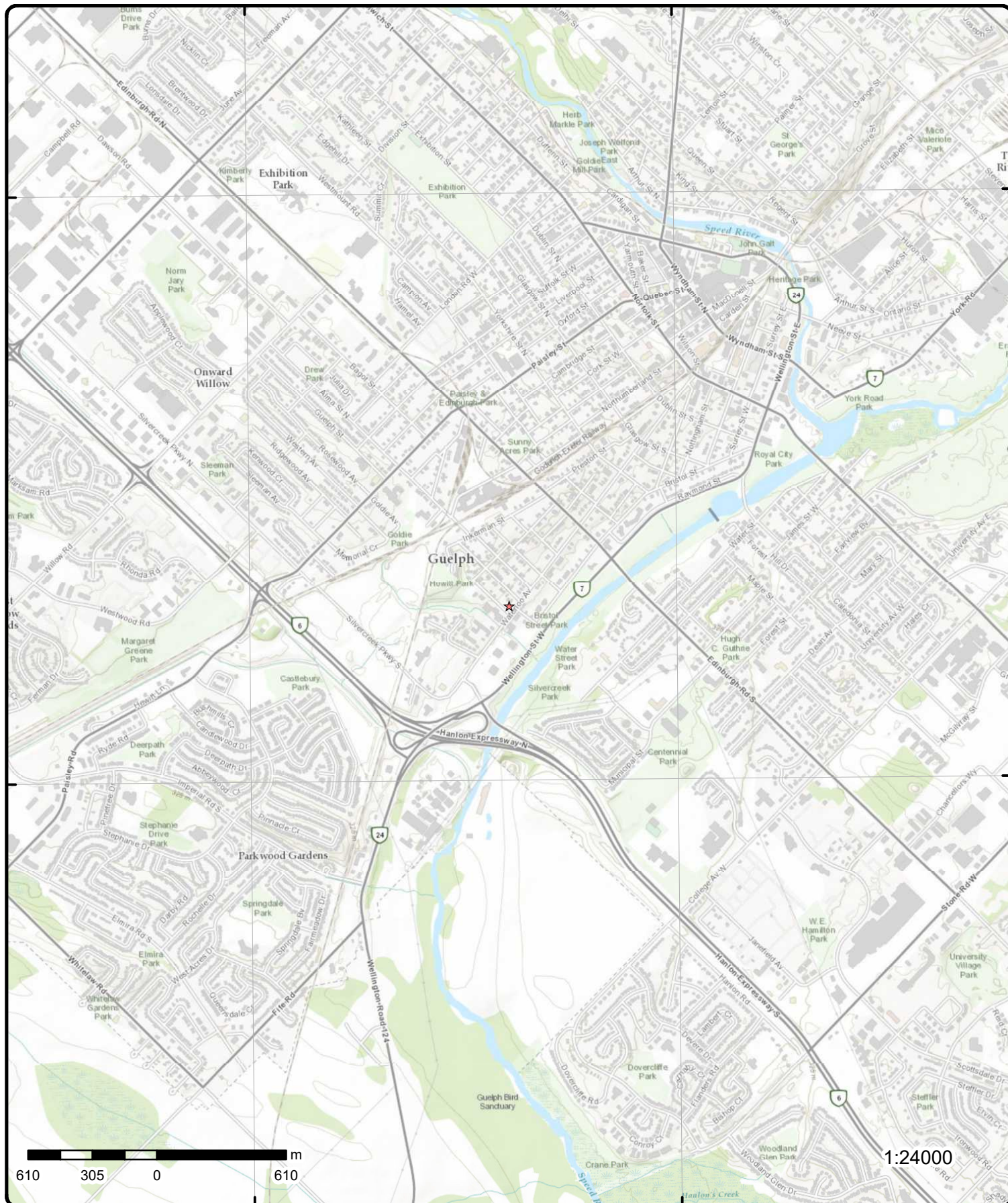
80°15'W

43°33'N

43°33'N

43°31'30"N

43°31'30"N



Topographic Map

Address: 343 Waterloo Avenue, ON

Source: ESRI World Topographic Map

Order Number: 24110100093



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	NNE/27.5	315.9 / 1.33	AVENUE MOTORS LTD 335 WATERLOO AV GUELPH ON N1H 3K1	PRT
Location ID:		5660			
Type:		retail			
Expiry Date:		1991-10-31			
Capacity (L):		0			
Licence #:		0048748001			

<u>1</u>	2 of 2	NNE/27.5	315.9 / 1.33	AVENUE MOTORS LTD 335 WATERLOO AV GUELPH ON N1H 3K1	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	9679337	Expired Date:	11/1/1990
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	Up to May 2013		

2	1 of 1	W/65.1	317.7 / 3.07	103 beechwood ave Guelph ON	WWIS
Well ID:		7354189	Flowing (Y/N):		
Construction Date:			Flow Rate:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:	Monitoring			Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	02/19/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z329813			Contractor:	7241
Tag:	A251930			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GUELPH CITY			
Site Info:					

Additional Detail(s) (Map)

Bore Hole ID:	1008173712	Tag No:	A251930
Depth M:	7.0104	Contractor:	7241
Year Completed:	2019	Latitude:	43.5324434265223
Well Completed Dt:	12/16/2019	Longitude:	-80.2606292961538
Audit No:	Z329813	Y:	43.53244342546759
Path:		X:	-80.26062914747162

Bore Hole Information

Bore Hole ID:	1008173712	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	559742.00
Code OB Desc:		North83:	4820210.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/16/2019	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1008251237
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008251238			
Layer:		2			
Color:		1			
General Color:		WHITE			
Material 1:		18			
Material 1 Desc:		SANDSTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		10.0			
Formation End Depth:		23.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252200			
Layer:		1			
Plug From:		0.0			
Plug To:		0.5			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252201			
Layer:		2			
Plug From:		0.5			
Plug To:		12.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252202			
Layer:		3			
Plug From:		12.0			
Plug To:		23.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008253278			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008249982			
Casing No:		0			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		1008253621			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		13.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1008253972			
Layer:		1			
Slot:		10			
Screen Top Depth:		13.0			
Screen End Depth:		23.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.25			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008254315			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1008252919			
Diameter:		6.0			
Depth From:		0.0			
Depth To:		13.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
<u>Hole Diameter</u>					
Hole ID:		1008252920			
Diameter:		4.0			
Depth From:		13.0			
Depth To:		23.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 3	WSW/78.7	316.3 / 1.72	ENVIRONMENT CANADA 371 WATERLOO AVE., BEHIND SUTTON STEERING & COLLISION LTD. GUELPH ON N1H 3K3	GEN
Generator No:		ON0198120			
SIC Code:		8173			
SIC Description:		ENVIRON. ADMIN.			
Approval Years:		94,95,96,97			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		112			
Waste Class Name:		ACID WASTE - HEAVY METALS			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
3	2 of 3	WSW/78.7	316.3 / 1.72	GOVT. OF CANADA - ENVIRONMENT CANADA 371 WATERLOO AVENUE REAR OF BUILDING GUELPH ON N1H 3K3	GEN
Generator No:		ON0198120			
SIC Code:		8173			
SIC Description:		ENVIRON. ADMIN.			
Approval Years:		98,99,00,01,02,03,04			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		112			
Waste Class Name:		ACID WASTE - HEAVY METALS			
Waste Class:		121			
Waste Class Name:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		263			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			
<hr/>					
<u>3</u>	3 of 3	WSW/78.7	316.3 / 1.72	J. Lammer Developments Ltd. 371 Waterloo Avenue Guelph ON N1H 3K3	GEN
Generator No:		ON4703753			
SIC Code:					
SIC Description:					
Approval Years:		02,03,04			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
 <u>Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<hr/>					
<u>4</u>	1 of 1	W/89.6	318.8 / 4.22	103 beechwood ave Guelph ON	WWIS
Well ID:	7354190			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:	Monitoring			Data Src:	
Final Well Status:	Test Hole			Date Received:	02/19/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z329812			Contractor:	7241
Tag:	A277093			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH CITY				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/735\7354190.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/16/2019			
Year Completed:		2019			
Depth (m):		6.096			
Latitude:		43.532508371319			
Longitude:		-80.2609255276471			
X:		-80.26092537941328			
Y:		43.53250836953579			
Path:		735\7354190.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1008173715			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559718.00
Code OB Desc:				North83:	4820217.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12/16/2019			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1008251239				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	11				
Material 1 Desc:	GRAVEL				
Material 2:	28				
Material 2 Desc:	SAND				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	0.25				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1008251240				
Layer:	2				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.25				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation End Depth:		7.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008251241			
Layer:		3			
Color:		1			
General Color:		WHITE			
Material 1:		18			
Material 1 Desc:		SANDSTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		7.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252204			
Layer:		2			
Plug From:		0.5			
Plug To:		9.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252203			
Layer:		1			
Plug From:		0.0			
Plug To:		0.5			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252205			
Layer:		3			
Plug From:		9.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1008253280			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1008253279			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008249983			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008253622			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		10.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1008253973			
Layer:		1			
Slot:		10			
Screen Top Depth:		10.0			
Screen End Depth:		20.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.25			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008254316			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1008252921			
Diameter:		6.0			
Depth From:		0.0			
Depth To:		7.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1008252922			
Diameter:		4.0			
Depth From:		7.0			
Depth To:		20.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
<u>5</u>	1 of 1	ESE/95.5	310.3 / -4.28	claysam custom homes 32 roland st guelph ON N1H 5Z5	GEN
Generator No:		ON5545442			
SIC Code:					
SIC Description:					
Approval Years:		02,03,04			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		263			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
<u>6</u>	1 of 1	W/95.7	317.4 / 2.85	103 beechwood avenue Guelph ON N1H 5Z7	EHS
Order No:		20191107126		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State:	ON
Report Date:		12-NOV-19		Search Radius (km):	.25
Date Received:		07-NOV-19		X:	-80.26101
Previous Site Name:				Y:	43.532401
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos			
<u>7</u>	1 of 1	W/98.0	317.4 / 2.85	Guelph Police Services 103 Beechwood Ave Guelph ON N1H 5Z7	GEN
Generator No:		ON4547421			
SIC Code:		913130			
SIC Description:		Municipal Police Services			
Approval Years:		2010			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		269			
Waste Class Name:		NON-HALOGENATED PESTICIDES			
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		263			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		147			
Waste Class Name:		CHEMICAL FERTILIZER WASTES			
<u>8</u>	1 of 1	S/102.7	311.6 / -3.00	358 WATERLOO HOLDINGS ORBIS MANAGEMENT LTD. 358 WATERLOO AVENUE GUELPH ON N1H 7Y3	GEN
Generator No:		ON0448200			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
Approval Years:		86,87,88,89,90,92,93,94			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>9</u>	1 of 1	W/111.2	319.9 / 5.27	103 beechwood ave Guelph ON	WWIS
Well ID:	7354188			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:	Monitoring			Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	02/19/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z329814			Contractor:	7241
Tag:	A286429			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH CITY				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/735\7354188.pdf				
Additional Detail(s) (Map)					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Well Completed Date:		12/17/2019			
Year Completed:		2019			
Depth (m):		6.096			
Latitude:		43.5325640719522			
Longitude:		-80.2611847444725			
X:		-80.2611845953879			
Y:		43.53256407080667			
Path:		735\7354188.pdf			

Bore Hole Information

Bore Hole ID:	1008173709	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	559697.00
Code OB Desc:		North83:	4820223.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/17/2019	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1008251235
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	1008251236
Layer:	2
Color:	1
General Color:	WHITE
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252197			
Layer:		1			
Plug From:		0.0			
Plug To:		0.5			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252199			
Layer:		3			
Plug From:		9.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252198			
Layer:		2			
Plug From:		0.5			
Plug To:		9.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008253277			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008253276			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008249981			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008253620			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		10.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Screen</u>					
Screen ID:		1008253971			
Layer:		1			
Slot:		10			
Screen Top Depth:		10.0			
Screen End Depth:		20.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.25			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008254314			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1008252917			
Diameter:		6.0			
Depth From:		0.0			
Depth To:		5.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
<u>Hole Diameter</u>					
Hole ID:		1008252918			
Diameter:		4.0			
Depth From:		5.0			
Depth To:		20.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
10	1 of 1	ENE/112.2	313.1 / -1.53	316 Waterloo Avenue Guelph ON N1H 3J8	EHS
Order No:	21071500179			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	20-JUL-21			Search Radius (km):	.25
Date Received:	15-JUL-21			X:	-80.2585945
Previous Site Name:				Y:	43.532878
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	1 of 1	ENE/114.2	311.8 / -2.78	316 Waterloo Avenue lot D Guelph ON	WWIS
Well ID: 7399765		Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st: Monitoring		Data Entry Status:			
Use 2nd:		Data Src:			
Final Well Status: Observation Wells		Date Received: 10/05/2021			
Water Type:		Selected Flag: TRUE			
Casing Material:		Abandonment Rec:			
Audit No: MJLTUJJ2		Contractor: 7747			
Tag: A333513		Form Version: 9			
Constructn Method:		Owner:			
Elevation (m):		County: WELLINGTON			
Elevatn Reliabilty:		Lot: D			
Depth to Bedrock:		Concession:			
Well Depth:		Concession Name: DIV A			
Overburden/Bedrock:		Easting NAD83:			
Pump Rate:		Northing NAD83:			
Static Water Level:		Zone:			
Clear/Cloudy:		UTM Reliability:			
Municipality: GUELPH TOWNSHIP					
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/739\7399765.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 08/27/2021					
Year Completed: 2021					
Depth (m): 6.7056					
Latitude: 43.53273568028					
Longitude: -80.2584846628517					
X: -80.25848451380877					
Y: 43.53273567891958					
Path: 739\7399765.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 1008809551		Elevation:			
DP2BR:		Elevrc:			
Spatial Status:		Zone: 17			
Code OB:		East83: 559915.00			
Code OB Desc:		North83: 4820244.00			
Open Hole:		Org CS: UTM83			
Cluster Kind:		UTMRC: 4			
Date Completed: 08/27/2021		UTMRC Desc: margin of error : 30 m - 100 m			
Remarks:		Location Method: wwr			
Location Method Desc: on Water Well Record					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 1008809908					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	66				
Material 3 Desc:	DENSE				
Formation Top Depth:	0.0				
Formation End Depth:	5.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1008809909				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:	66				
Material 3 Desc:	DENSE				
Formation Top Depth:	5.0				
Formation End Depth:	22.0				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1008810252				
Layer:	1				
Plug From:	0.0				
Plug To:	0.5				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1008810254				
Layer:	3				
Plug From:	11.0				
Plug To:	22.0				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1008810253				
Layer:	2				
Plug From:	0.5				
Plug To:	11.0				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1008810162				
Layer:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1008809741			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1008809742			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1008809672			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1008809994			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		1.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		1008809993			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		12.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1008810064			
Layer:		1			
Slot:		010			
Screen Top Depth:		12.0			
Screen End Depth:		22.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter:		2.375			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008809673			
Pump Set At:					
Static Level:		15.0			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Water Details</u>					
Water ID:		1008809833			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		15.0			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1008810112			
Diameter:		8.5			
Depth From:		0.0			
Depth To:		22.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
12	1 of 1	ENE/117.3	313.1 / -1.53	316 Waterloo Avenue lot D Guelph ON	WWIS
Well ID:		7399766		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Observation Wells		Date Received:	10/05/2021
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:		J3GS5RTF		Contractor:	7747
Tag:		A333514		Form Version:	9
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	D
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	DIV A
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GUELPH TOWNSHIP			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/739\7399766.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		08/27/2021			
Year Completed:		2021			
Depth (m):		6.4008			
Latitude:		43.532834798967			
Longitude:		-80.2584958244788			
X:		-80.25849567536375			
Y:		43.53283479754841			
Path:		739\7399766.pdf			
Bore Hole Information					
Bore Hole ID:		1008809554		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		08/27/2021		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:		1008809910			
Layer:		1			
Color:		8			
General Color:		BLACK			
Material 1:					
Material 1 Desc:					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.17000000178813934			
Formation End Depth UOM:		ft			
Overburden and Bedrock					
Materials Interval					
Formation ID:		1008809911			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		0.17000000178813934			
Formation End Depth:		7.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008809912			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		7.0			
Formation End Depth:		21.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008810257			
Layer:		3			
Plug From:		9.0			
Plug To:		21.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008810256			
Layer:		2			
Plug From:		0.5			
Plug To:		9.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008810255			
Layer:		1			
Plug From:		0.0			
Plug To:		0.5			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008810163			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Method Construction ID:		1008809743			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1008809744			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1008809674			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1008809996			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		1.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		1008809995			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		11.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1008810065			
Layer:		1			
Slot:		010			
Screen Top Depth:		11.0			
Screen End Depth:		21.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.375			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008809675			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At: Static Level: 15.0 Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:					
<u>Water Details</u>					
Water ID: 1008809834 Layer: 1 Kind Code: 8 Kind: Untested Water Found Depth: 15.0 Water Found Depth UOM: ft					
<u>Hole Diameter</u>					
Hole ID: 1008810113 Diameter: 8.5 Depth From: 0.0 Depth To: 21.0 Hole Depth UOM: ft Hole Diameter UOM: inch					
<u>13</u>	1 of 1	ENE/121.0	313.1 / -1.53	316 Waterloo Ave Guelph ON N1H3J8	EHS
Order No: 20150304089 Status: C Report Type: RSC Report (Urban) Report Date: 11-MAR-15 Date Received: 04-MAR-15 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Guelph Client Prov/State: ON Search Radius (km): .3 X: -80.25842 Y: 43.532785					
<u>14</u>	1 of 1	E/124.8	311.2 / -3.34	316 Waterloo Avenue lot D Guelph ON	WWIS
Well ID: 7399826 Construction Date: Use 1st: Monitoring Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: UJLYEGGT Tag: A337008 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 10/06/2021 Selected Flag: TRUE Abandonment Rec: Contractor: 7190 Form Version: 9 Owner: County: WELLINGTON Lot: D Concession:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:				Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	DIV A
		GUELPH TOWNSHIP			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/739\7399826.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		08/05/2021			
Year Completed:		2021			
Depth (m):		6.7056			
Latitude:		43.5326355180659			
Longitude:		-80.2583126252046			
X:		-80.25831247661391			
Y:		43.53263551679792			
Path:		739\7399826.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1008810584		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				17	
Code OB Desc:				East83:	
Open Hole:				559929.00	
Cluster Kind:				North83:	
Date Completed:		08/05/2021		4820233.00	
Remarks:				Org CS:	
Location Method Desc:		on Water Well Record		UTM83	
Elevrc Desc:				UTMRC:	
Location Source Date:				4	
Improvement Location Source:				UTMRC Desc:	
Improvement Location Method:				margin of error : 30 m - 100 m	
Source Revision Comment:				Location Method:	
Supplier Comment:				wwr	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008810921			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		01			
Material 1 Desc:		FILL			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		8.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008810922			
Laver:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		6			
General Color:		BROWN			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		8.0			
Formation End Depth:		22.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008811240			
Layer:		3			
Plug From:		11.0			
Plug To:		22.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008811239			
Layer:		2			
Plug From:		1.0			
Plug To:		11.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008811143			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008811238			
Layer:		1			
Plug From:		0.0			
Plug To:		1.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008810747			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008810748			
Method Construction Code:		E			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008810694			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008810995			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-3.0			
Depth To:		12.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1008810996			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-3.0			
Depth To:		1.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1008811047			
Layer:		1			
Slot:		010			
Screen Top Depth:		12.0			
Screen End Depth:		22.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.375			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008810695			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div>Pumping Duration HR:</div> <div>Pumping Duration MIN:</div> <div>Flowing:</div>					
<div>Hole Diameter</div>					
Hole ID:		1008811092			
Diameter:		4.0			
Depth From:		10.0			
Depth To:		22.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<div>Hole Diameter</div>					
Hole ID:		1008811091			
Diameter:		8.5			
Depth From:		0.0			
Depth To:		10.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
15	1 of 1	W/133.0	317.4 / 2.81	103 beechwood ave Guelph ON	WWIS
Well ID:	7354187			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:	Monitoring			Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	02/19/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z329815			Contractor:	7241
Tag:	A286395			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH CITY				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/735\7354187.pdf				
<div>Additional Detail(s) (Map)</div>					
Well Completed Date:	12/17/2019				
Year Completed:	2019				
Depth (m):	6.096				
Latitude:	43.5324128513849				
Longitude:	-80.2614712390224				
X:	-80.26147109051273				
Y:	43.5324128499374				
Path:	735\7354187.pdf				
<div>Bore Hole Information</div>					
Bore Hole ID:	1008173706			Elevation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559674.00
Code OB Desc:				North83:	4820206.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12/17/2019			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	rev
Location Method Desc:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008251234			
Layer:		2			
Color:		1			
General Color:		WHITE			
Material 1:		18			
Material 1 Desc:		SANDSTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		5.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008251233			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008252195			
Layer:		2			
Plug From:		0.5			
Plug To:		9.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1008252194			
Layer:		1			
Plug From:		0.0			
Plug To:		0.5			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008252196			
Layer:		3			
Plug From:		9.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008253275			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008249980			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008253619			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		10.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1008253970			
Layer:		1			
Slot:		10			
Screen Top Depth:		10.0			
Screen End Depth:		20.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.25			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008254313			
Pump Set At:					
Static Level:					
Final Level After Pumping:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: Pumping Test Method: 0 Pumping Duration HR: Pumping Duration MIN: Flowing:					
<u>Hole Diameter</u>					
Hole ID: 1008252915 Diameter: 6.0 Depth From: 0.0 Depth To: 5.0 Hole Depth UOM: ft Hole Diameter UOM: Inch					
<u>Hole Diameter</u>					
Hole ID: 1008252916 Diameter: 4.0 Depth From: 5.0 Depth To: 20.0 Hole Depth UOM: ft Hole Diameter UOM: Inch					
16	1 of 1	E/147.0	309.9 / -4.73	281 Bristol St Guelph ON	SPL
Ref No: 6746-8EHM3X Year: Incident Dt: 2/27/2011 Dt MOE Arvl on Scn: MOE Reported Dt: 2/28/2011 Dt Document Closed: 3/2/2011 Site No: MOE Response: No Field Response Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse: Site Name: Condominium<UNOFFICIAL> Site Address: 281 Bristol St Site Region: Site Municipality: Guelph Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Discharge or Emission to Air Incident Preceding Spill: Environment Impact: Confirmed Health Env Consequence: Nature of Impact: Air Pollution Contaminant Qty: 0 other - see incident description Contaminant Qty 1: 0					
Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Unit:		other - see incident description			
Client Type:					
Source Type:					
Contaminant Code:		35			
Contaminant Name:		NATURAL GAS (METHANE)			
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:					
Incident Reason:		Error- Operator error			
Incident Summary:		TSSA: nat gas meter station damaged, media			
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:		Pipeline			
SAC Action Class:		TSSA - Fuel Safety Branch			
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					
Client Name:					

17	1 of 2	WNW/165.2	320.7 / 6.10	89 BEECHWOOD AVE Guelph ON	WWIS
Well ID:	7280327			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	02/01/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z246507			Contractor:	7190
Tag:	A216538			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7280327.pdf				

Additional Detail(s) (Map)

Well Completed Date: 11/25/2016
Year Completed: 2016
Depth (m): 8.382
Latitude: 43.5328560209175
Longitude: -80.2617752336105
X: -80.2617750847603
Y: 43.53285601966571
Path: 728\7280327.pdf

Bore Hole Information

Bore Hole ID: 1006349282
DP2BR: **Elevation:**
Elevrc:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:				East83:	559649.00
Code OB Desc:				North83:	4820255.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed: 11/25/2016				UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc: on Water Well Record					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:				1006547125	
Layer:				2	
Color:				1	
General Color:				WHITE	
Material 1:				15	
Material 1 Desc:				LIMESTONE	
Material 2:				17	
Material 2 Desc:				SHALE	
Material 3:					
Material 3 Desc:					
Formation Top Depth:				12.5	
Formation End Depth:				27.5	
Formation End Depth UOM:				ft	
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:				1006547124	
Layer:				1	
Color:				6	
General Color:				BROWN	
Material 1:				28	
Material 1 Desc:				SAND	
Material 2:				06	
Material 2 Desc:				SILT	
Material 3:				66	
Material 3 Desc:				DENSE	
Formation Top Depth:				0.0	
Formation End Depth:				12.5	
Formation End Depth UOM:				ft	
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:				1006547133	
Layer:				2	
Plug From:				14.0	
Plug To:				27.5	
Plug Depth UOM:				ft	
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:				1006547132	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Plug From:		0.0			
Plug To:		14.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006547131			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006547123			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006547128			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		19.5			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006547129			
Layer:		1			
Slot:		.01			
Screen Top Depth:		17.5			
Screen End Depth:		27.5			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			
<u>Water Details</u>					
Water ID:		1006547127			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006547126			
Diameter:		4.25			
Depth From:		14.0			
Depth To:		24.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	2 of 2	WNW/165.2	320.7 / 6.10	89 Beechwood Ave Guelph ON	WWIS
Well ID:		7378348	Flowing (Y/N):		
Construction Date:			Flow Rate:		
Use 1st:		Monitoring	Data Entry Status:		
Use 2nd:			Data Src:		
Final Well Status:		Abandoned-Other	Date Received: 01/19/2021		
Water Type:			Selected Flag: TRUE		
Casing Material:			Abandonment Rec: Yes		
Audit No:		Z346422	Contractor: 7221		
Tag:		A216538	Form Version: 7		
Constructn Method:			Owner:		
Elevation (m):			County: WELLINGTON		
Elevatn Reliabilty:			Lot:		
Depth to Bedrock:			Concession:		
Well Depth:			Concession Name:		
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:		GUELPH CITY			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737\7378348.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/01/2020			
Year Completed:		2020			
Depth (m):					
Latitude:		43.5328560209175			
Longitude:		-80.2617752336105			
X:		-80.2617750847603			
Y:		43.53285601966571			
Path:		737\7378348.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1008630578	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone: 17		
Code OB:			East83: 559649.00		
Code OB Desc:			North83: 4820255.00		
Open Hole:			Org CS: UTM83		
Cluster Kind:			UTMRC: 4		
Date Completed:		12/01/2020	UTMRC Desc: margin of error : 30 m - 100 m		
Remarks:			Location Method: wwr		
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009759196			
Laver:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		0.30000001192092896			
Plug To:		8.399999618530273			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009759193			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009759194			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		8.399999618530273			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009759195			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Pipe Information</u>					
Pipe ID:		1009757642			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1009760298			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		1.899999976158142			
Depth To:					
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009761091			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:	0				
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:	No				

18	1 of 2	WNW/178.1	323.0 / 8.40	89 BEECHWOOD AVE Guelph ON	WWIS
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Well ID:	7277024	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Observation Wells	Date Received:	12/13/2016
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z238651	Contractor:	7190
Tag:	A216553	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	WELLINGTON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	GUELPH TOWNSHIP		
Site Info:			
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/7277277024.pdf		

Additional Detail(s) (Map)

Well Completed Date:	11/03/2016
Year Completed:	2016
Depth (m):	5.0292
Latitude:	43.5330904315222
Longitude:	-80.2618218787893
X:	-80.26182172974558
Y:	43.533090430471624
Path:	7277277024.pdf

Bore Hole Information

Bore Hole ID:	1006305470	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	559645.00
Code OB Desc:		North83:	4820281.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	11/03/2016	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006488330			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		34			
Material 1 Desc:		TILL			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		10.0			
Formation End Depth:		12.5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006488331			
Layer:		3			
Color:		1			
General Color:		WHITE			
Material 1:		26			
Material 1 Desc:		ROCK			
Material 2:		15			
Material 2 Desc:		LIMESTONE			
Material 3:		92			
Material 3 Desc:		WEATHERED			
Formation Top Depth:		12.5			
Formation End Depth:		15.5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006488332			
Layer:		4			
Color:		1			
General Color:		WHITE			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		15.5			
Formation End Depth:		16.5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006488329			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		68			
Material 3 Desc:		DRY			
Formation Top Depth:		0.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006488339			
Layer:		1			
Plug From:		0.0			
Plug To:		6.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006488340			
Layer:		2			
Plug From:		6.0			
Plug To:		16.5			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006488338			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006488328			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006488335			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-2.0			
Depth To:		6.5			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006488336			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.5			
Screen End Depth:		16.5			
Screen Material:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.125			
<hr/>					
<u>Water Details</u>					
Water ID:		1006488334			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		15.5			
Water Found Depth UOM:		ft			
<hr/>					
<u>Hole Diameter</u>					
Hole ID:		1006488333			
Diameter:		9.0			
Depth From:		0.0			
Depth To:		16.5			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<hr/>					
18	2 of 2	WNW/178.1	323.0 / 8.40	89 Beechwood Ave Guelph ON	WWIS
Well ID:		7378350		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Abandoned-Other		Date Received:	
Water Type:				01/19/2021	
Casing Material:				Selected Flag:	
Audit No:		Z346420		TRUE	
Tag:		A216553		Abandonment Rec:	
Constructn Method:				Yes	
Elevation (m):				Contractor:	
Elevatn Reliabilty:				7221	
Depth to Bedrock:				Form Version:	
Well Depth:				7	
Overburden/Bedrock:				Owner:	
Pump Rate:				County:	
Static Water Level:				WELLINGTON	
Clear/Cloudy:				Lot:	
Municipality:		GUELPH CITY		Concession:	
Site Info:				Concession Name:	
				Easting NAD83:	
				Northing NAD83:	
				Zone:	
				UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737/7378350.pdf			
<hr/>					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/01/2020			
Year Completed:		2020			
Depth (m):					
Latitude:		43.5330904315222			
Longitude:		-80.2618218787893			
X:		-80.26182172974558			
Y:		43.533090430471624			
Path:		737\7378350.pdf			
<hr/>					
<u>Bore Hole Information</u>					
Bore Hole ID:		1008630584		Elevation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559645.00
Code OB Desc:				North83:	4820281.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12/01/2020			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009759200			
Layer:		1			
Plug From:		0.0			
Plug To:		5.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009759199			
Layer:		1			
Plug From:		0.0			
Plug To:		5.099999904632568			
Plug Depth UOM:		m			
<u>Pipe Information</u>					
Pipe ID:		1009757644			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1009760300			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		1.7999999523162842			
Depth To:					
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009761093			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing Rate: Recommended Pump Rate: Levels UOM: m Rate UOM: LPM Water State After Test Code: Water State After Test: Pumping Test Method: 0 Pumping Duration HR: Pumping Duration MIN: Flowing: No					
19	1 of 4	S/178.9	306.7 / -7.87	AUTOMOTIVE REPAIR SHOP CREEK BESIDE 364 WATERLOO AVENUE. GUELPH CITY ON N1H 3K2	SPL
Ref No: 225175 Year: Incident Dt: 5/11/2002 Dt MOE Arvl on Scn: MOE Reported Dt: 5/11/2002 Dt Document Closed: Site No: MOE Response: Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse: Site Name: Site Address: Site Region: Site Municipality: GUELPH CITY Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE Incident Preceding Spill: Environment Impact: CONFIRMED Health Env Consequence: Nature of Impact: Water course or lake Contaminant Qty: Contaminant Qty 1: Contaminant Unit: Client Type: Source Type: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: WATER Incident Reason: OTHER Incident Summary: PIONEER TRANSMISSION -25 L OF TRANSMISSION FLUID TO CRK. VIA SEWER. Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: SAC Action Class: Call Report Locatn Geodata: Time Reported: System Facility Address: Client Name:					
Municipality No: 75101 Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved: CITY OF GUELPH					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	2 of 4	S/178.9	306.7 / -7.87	Behind 364 Waterloo Ave. Guelph ON	SPL
<div> <div> Ref No: 2101-7GV238 Year: Incident Dt: Dt MOE Arvl on Scn: MOE Reported Dt: 7/24/2008 Dt Document Closed: 8/6/2008 Site No: MOE Response: Site County/District: Site Geo Ref Meth: Site District Office: Guelph Nearest Watercourse: Site Name: Ditch<UNOFFICIAL> Site Address: Site Region: Site Municipality: Guelph Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Unknown Incident Preceding Spill: Environment Impact: Possible Health Env Consequence: Nature of Impact: Soil Contamination Contaminant Qty: Contaminant Qty 1: Contaminant Unit: Client Type: Source Type: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Incident Reason: Unknown - Reason not determined Incident Summary: Guelph: White milky substance in ditch, contained & clng Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: Unknown SAC Action Class: Land Spills Call Report Locatn Geodata: Time Reported: System Facility Address: Client Name: </div> <div> Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved: </div> </div>					
19	3 of 4	S/178.9	306.7 / -7.87	Unknown<UNOFFICIAL> catchbasin in front of 364 Waterloo Avenue Guelph ON	SPL
<div> <div> Ref No: 3415-9PHKCW Year: Incident Dt: 2014/10/02 Dt MOE Arvl on Scn: MOE Reported Dt: 2014/10/02 </div> <div> Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Dt Document Closed:	2014/10/10			Agency Involved:	
Site No:	NA				
MOE Response:	No Field Response				
Site County/District:					
Site Geo Ref Meth:					
Site District Office:					
Nearest Watercourse:					
Site Name:	catchbasin in front of 364 Waterloo Avenue<UNOFFICIAL>				
Site Address:	catchbasin in front of 364 Waterloo Avenue				
Site Region:					
Site Municipality:	Guelph				
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:	4820078				
Easting:	559754				
Incident Cause:	Collision/Accident				
Incident Preceding Spill:					
Environment Impact:	Confirmed				
Health Env Consequence:					
Nature of Impact:	Surface Water Pollution				
Contaminant Qty:	2 L				
Contaminant Qty 1:	2				
Contaminant Unit:	L				
Client Type:					
Source Type:					
Contaminant Code:	15				
Contaminant Name:	MOTOR OIL				
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:					
Incident Reason:	Operator/Human Error				
Incident Summary:	Up to 2 L oil spilled to catchbasin due to MVA				
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:	Motor Vehicle				
SAC Action Class:	Watercourse Spills				
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					
Client Name:	Unknown<UNOFFICIAL>				

19	4 of 4	S/178.9	306.7 / -7.87	The Corporation of the City of Guelph 364 Waterloo Avenue in Guelph Guelph ON	SPL
<hr/>					
Ref No:	7238-BCZ2XY			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:	6/9/2019			Discharger Report:	
Dt MOE Arvl on Scn:	6/13/2019			Material Group:	
MOE Reported Dt:	6/9/2019			Impact to Health:	2 - Minor Environment
Dt Document Closed:	6/27/2019			Agency Involved:	
Site No:	NA				
MOE Response:	Yes				
Site County/District:	County of Wellington				
Site Geo Ref Meth:					
Site District Office:	Guelph				
Nearest Watercourse:					
Site Name:	364 Waterloo Avenue in Guelph<UNOFFICIAL>				
Site Address:	364 Waterloo Avenue in Guelph				
Site Region:	West Central				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Site Municipality:		Guelph			
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:		4820103.17			
Easting:		559770.96			
Incident Cause:					
Incident Preceding Spill:		Leak/Break			
Environment Impact:					
Health Env Consequence:					
Nature of Impact:					
Contaminant Qty:		0 other - see incident description			
Contaminant Qty 1:		0			
Contaminant Unit:		other - see incident description			
Client Type:		Municipal Government			
Source Type:		Other			
Contaminant Code:		43			
Contaminant Name:		SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)			
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:		n/a			
Receiving Medium:		Surface Water; Source Water Zone			
Incident Reason:		Unknown / N/A			
Incident Summary:		CoG: Watermain break with sediment, Speed River			
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:		Miscellaneous Communal			
SAC Action Class:					
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					
Client Name:		The Corporation of the City of Guelph			
<hr/>					
20	1 of 2	W/184.7	318.9 / 4.27	89 BEACHWOOD AVE Guelph ON	WWIS
Well ID:	7286184			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	05/08/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z255339			Contractor:	7190
Tag:	A216609			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH TOWNSHIP				
Site Info:					
<hr/>					
Additional Detail(s) (Map)					
Bore Hole ID:	1006431518			Tag No:	A216609
Depth M:	5.7912			Contractor:	7190

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year Completed:		2017		Latitude:	43.5326509376185
Well Completed Dt:		04/04/2017		Longitude:	-80.2620871369961
Audit No:		Z255339		Y:	43.532650936914344
Path:				X:	-80.26208698783141
<u>Bore Hole Information</u>					
Bore Hole ID:		1006431518		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559624.00
Code OB Desc:				North83:	4820232.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		04/04/2017		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006663421			
Layer:		3			
Color:		1			
General Color:		WHITE			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		26			
Material 2 Desc:		ROCK			
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		12.5			
Formation End Depth:		19.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006663420			
Layer:		2			
Color:		1			
General Color:		WHITE			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		26			
Material 2 Desc:		ROCK			
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		10.0			
Formation End Depth:		12.5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006663419			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		68			
Material 3 Desc:		DRY			
Formation Top Depth:		0.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006663430			
Layer:		2			
Plug From:		8.0			
Plug To:		19.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006663429			
Layer:		1			
Plug From:		0.0			
Plug To:		8.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006663428			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006663418			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006663425			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-2.6700000762939453			
Depth To:		9.0			
Casing Diameter:		1.875			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006663426			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Layer:		1			
Slot:		10			
Screen Top Depth:		9.0			
Screen End Depth:		19.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			
 <u>Water Details</u>					
Water ID:		1006663424			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		11.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1006663422			
Diameter:		9.0			
Depth From:		0.0			
Depth To:		12.5			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
 <u>Hole Diameter</u>					
Hole ID:		1006663423			
Diameter:		4.0			
Depth From:		12.5			
Depth To:		19.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<hr/>					
20	2 of 2	W/184.7	318.9 / 4.27	89 Beechwood Ave Guelph ON	WWIS
Well ID:	7378349			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	01/19/2021
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z346421			Contractor:	7221
Tag:	A216609			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH CITY				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737/7378349.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/01/2020			
Year Completed:		2020			
Depth (m):					
Latitude:		43.5326509376185			
Longitude:		-80.2620871369961			
X:		-80.26208698783141			
Y:		43.532650936914344			
Path:		737\7378349.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1008630581			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559624.00
Code OB Desc:				North83:	4820232.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12/01/2020			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1009759197				
Layer:	1				
Plug From:	0.0				
Plug To:	5.800000190734863				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1009759198				
Layer:	1				
Plug From:	0.0				
Plug To:	5.800000190734863				
Plug Depth UOM:	m				
<u>Pipe Information</u>					
Pipe ID:	1009757643				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1009760299				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	1.7999999523162842				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To: Casing Diameter: 5.0 Casing Diameter UOM: cm Casing Depth UOM: m					
Results of Well Yield Testing					
Pumping Test Method Desc: Pump Test ID: 1009761092 Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: m Rate UOM: LPM Water State After Test Code: Water State After Test: Pumping Test Method: 0 Pumping Duration HR: Pumping Duration MIN: Flowing: No					
21	1 of 4	WNW/187.6	320.8 / 6.24	89 Beechwood Ave Guelph ON N1H5Z7	EHS
Order No: 20160711113 Status: C Report Type: Custom Report Report Date: 15-JUL-16 Date Received: 11-JUL-16 Previous Site Name: Lot/Building Size: 1.0 acre Additional Info Ordered:					
Nearest Intersection: Municipality: Guelph Client Prov/State: ON Search Radius (km): .25 X: -80.262009 Y: 43.53301					
21	2 of 4	WNW/187.6	320.8 / 6.24	89 Beechwood Ave Guelph ON N1H5Z7	EHS
Order No: 20161025059 Status: C Report Type: Standard Select Report Report Date: 01-NOV-16 Date Received: 25-OCT-16 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Nearest Intersection: Municipality: ON Client Prov/State: ON Search Radius (km): .25 X: -80.262009 Y: 43.53301					
21	3 of 4	WNW/187.6	320.8 / 6.24	The Corporation of the City of Guelph 89 Beechwood Ave Guelph ON N1H 3A1	ECA
Approval No: 6097-BQ8QA6 Approval Date: 2020-06-05 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS					
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:					

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/742\7420566.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	05/30/2022				
Year Completed:	2022				
Depth (m):	6				
Latitude:	43.5338865464103				
Longitude:	-80.2610077069235				
X:	-80.26100755804389				
Y:	43.5338865444204				
Path:	742\7420566.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1009069505			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559710.00
Code OB Desc:				North83:	4820370.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	05/30/2022			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1009069644				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	6.0				
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1009069721				
Layer:	1				
Plug From:					
Plug To:					
Plug Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1009069750				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009069751			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		3.9000000953674316			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1009069570			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1009069545			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1009069664			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		4.5			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1009069681			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.5			
Screen End Depth:		6.0			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.099999904632568			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009069546			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: m Rate UOM: LPM Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:					
<u>Water Details</u>					
Water ID:		1009069595			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		5.0			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1009069703			
Diameter:		21.0			
Depth From:		0.0			
Depth To:		6.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
23	1 of 1	SW/193.1	311.5 / -3.08	380 and 400 Waterloo Avenue Guelph ON	EHS
Order No:	20051024024			Nearest Intersection:	Waterloo Avenue and Wellington Street
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	10/28/2005			Search Radius (km):	0.25
Date Received:	10/24/2005			X:	-80.260893
Previous Site Name:				Y:	43.530855
Lot/Building Size:	4.8 acres				
Additional Info Ordered:					
24	1 of 1	WNW/194.2	323.0 / 8.40	ON	WWIS
Well ID:	7176662			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	Yes
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	02/14/2012
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	M10531			Contractor:	6607
Tag:	A126194			Form Version:	5
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy: Municipality: Site Info:		GUELPH CITY		UTM Reliability:	
<u>Additional Detail(s) (Map)</u>					
Bore Hole ID:	1003691623			Tag No:	A126194
Depth M:				Contractor:	6607
Year Completed:	2012			Latitude:	43.5333159184969
Well Completed Dt:	01/16/2012			Longitude:	-80.2618810093635
Audit No:	M10531			Y:	43.533315916871516
Path:				X:	-80.26188086041184
<u>Bore Hole Information</u>					
Bore Hole ID:	1003691623			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559640.00
Code OB Desc:				North83:	4820306.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	5
Date Completed:	01/16/2012			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
25	1 of 1	WSW/196.1	314.8 / 0.19	The Corporation of the County of Wellington Housing Services 387 Waterloo Ave. Guelph ON N1H 3K3	GEN
Generator No:	ON8040604				
SIC Code:					
SIC Description:					
Approval Years:	As of Dec 2018				
PO Box No:					
Country:	Canada				
Status:	Registered				
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:	252 L				
Waste Class Name:	Waste crankcase oils and lubricants				
26	1 of 1	WSW/197.0	312.9 / -1.73	ON	WWIS
Well ID:	6700838			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Industrial			Data Entry Status:	
Use 2nd:	0			Data Src:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		32.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932606316			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		32.0			
Formation End Depth:		48.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932606317			
Layer:		4			
Color:		8			
General Color:		BLACK			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		48.0			
Formation End Depth:		72.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932606314			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		13			
Material 2 Desc:		BOULDERS			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		9.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932606318			
Layer:		5			
Color:		6			
General Color:		BROWN			
Material 1:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		72.0			
Formation End Depth:		78.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932606320			
Layer:		7			
Color:		3			
General Color:		BLUE			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		109.0			
Formation End Depth:		150.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932606319			
Layer:		6			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		78.0			
Formation End Depth:		109.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		966700838			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11013554			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930755736			
Layer:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		150.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930755735			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		34.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		996700838			
Pump Set At:					
Static Level:		33.0			
Final Level After Pumping:		43.0			
Recommended Pump Depth:					
Pumping Rate:		50.0			
Flowing Rate:					
Recommended Pump Rate:		50.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		4			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933952997			
Layer:		1			
Kind Code:		4			
Kind:		MINERIAL			
Water Found Depth:		40.0			
Water Found Depth UOM:		ft			
<hr/>					
27	1 of 1	WNW/202.3	323.5 / 8.89	89 Beechwood Ave Guelph ON	WWIS
Well ID:		7378347		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Abandoned-Other		Date Received:	
Water Type:				01/19/2021	
Casing Material:				Selected Flag:	
Audit No:		Z346413		TRUE	
Tag:				Abandonment Rec:	
Constructn Method:				Yes	
				Contractor:	
				7221	
				Form Version:	
				7	
				Owner:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:			GUELPH CITY	County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	WELLINGTON
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737\7378347.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/09/2020			
Year Completed:		2020			
Depth (m):					
Latitude:		43.5332897867575			
Longitude:		-80.2620174662775			
X:		-80.26201731715757			
Y:		43.53328978591636			
Path:		737\7378347.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1008630575		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		12/09/2020		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		on Water Well Record		margin of error : 30 m - 100 m	
Elevrc Desc:				wwr	
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009758323			
Layer:		1			
Color:					
General Color:					
Material 1:					
Material 1 Desc:					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID: 1009759192					
Layer: 1					
Plug From: 0.0					
Plug To: 6.099999904632568					
Plug Depth UOM: m					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1009759191					
Layer: 1					
Plug From: 0.0					
Plug To: 6.099999904632568					
Plug Depth UOM: m					
<u>Pipe Information</u>					
Pipe ID: 1009757641					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1009760297					
Layer: 1					
Material: 5					
Open Hole or Material: PLASTIC					
Depth From: 1.899999976158142					
Depth To:					
Casing Diameter: 5.0					
Casing Diameter UOM: cm					
Casing Depth UOM: m					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID: 1009761090					
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM: m					
Rate UOM: LPM					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method: 0					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing: No					
28	1 of 1	WNW/202.6	323.5 / 8.89	220 ARKELL RD Guelph ON	WWIS
Well ID: 7286197					
Construction Date:					
Use 1st: Monitoring					
Use 2nd:					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:	Observation Wells			Date Received:	05/08/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z255338			Contractor:	7190
Tag:	A187085			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GUELPH TOWNSHIP				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7286197.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/05/2017
Year Completed: 2017
Depth (m): 7.62
Latitude: 43.5332270817673
Longitude: -80.2620677356829
X: -80.26206758687057
Y: 43.5332270804217
Path: 728\7286197.pdf

Bore Hole Information

Bore Hole ID:	1006431928	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	559625.00
Code OB Desc:		North83:	4820296.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	04/05/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1006663848
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		7.5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006663850			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		11			
Material 3 Desc:		GRAVEL			
Formation Top Depth:		20.0			
Formation End Depth:		25.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006663849			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		11			
Material 3 Desc:		GRAVEL			
Formation Top Depth:		7.5			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006663858			
Layer:		2			
Plug From:		1.0			
Plug To:		14.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006663859			
Layer:		3			
Plug From:		14.0			
Plug To:		25.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006663857			
Layer:		1			
Plug From:		0.0			
Plug To:		1.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006663856			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006663847			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006663853			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-2.8299999237060547			
Depth To:		15.0			
Casing Diameter:		1.125			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006663854			
Layer:		1			
Slot:		10			
Screen Top Depth:		15.0			
Screen End Depth:		25.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			
<u>Water Details</u>					
Water ID:		1006663852			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		18.0			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006663851			
Diameter:		9.0			
Depth From:		0.0			
Depth To:		25.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	1 of 1	WNW/203.2	323.5 / 8.89	89 Beechwood Ave Guelph ON	WWIS
Well ID:		7378346	Flowing (Y/N):		
Construction Date:			Flow Rate:		
Use 1st:		Monitoring	Data Entry Status:		
Use 2nd:			Data Src:		
Final Well Status:		Abandoned-Other	Date Received:		01/19/2021
Water Type:			Selected Flag:		TRUE
Casing Material:			Abandonment Rec:		Yes
Audit No:		Z346412	Contractor:		7221
Tag:			Form Version:		7
Constructn Method:			Owner:		
Elevation (m):			County:		WELLINGTON
Elevatn Reliabilty:			Lot:		
Depth to Bedrock:			Concession:		
Well Depth:			Concession Name:		
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:		GUELPH CITY			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737\7378346.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/09/2020			
Year Completed:		2020			
Depth (m):					
Latitude:		43.5332898666367			
Longitude:		-80.2620298415025			
X:		-80.26202969324332			
Y:		43.53328986602133			
Path:		737\7378346.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1008630572	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone:		
Code OB:			East83:		
Code OB Desc:			North83:		
Open Hole:			Org CS:		
Cluster Kind:			UTMRC:		
Date Completed:		12/09/2020	UTMRC Desc:		
Remarks:			Location Method:		
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009759189			
Layer:		1			
Plug From:		0.0			
Plug To:		7.900000095367432			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009759190			
Layer:		1			
Plug From:		0.0			
Plug To:		7.900000095367432			
Plug Depth UOM:		m			
<u>Pipe Information</u>					
Pipe ID:		1009757640			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1009760296			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		2.299999952316284			
Depth To:					
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009761089			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
30	1 of 1	S/214.7	308.2 / -6.34	lot 20 GUELPH ON	WWIS
Well ID:		6715144		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:		Observation Wells		Date Received:	11/10/2004
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:		Z15689		Contractor:	7215
Tag:		A019830		Form Version:	3

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:				Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	WELLINGTON 020 DIV A
PDF URL (Map):		GUELPH TOWNSHIP https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6715144.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: X: Y: Path:		10/13/2004 2004 43.5304829403884 -80.259613694063 -80.2596135450487 43.53048293847827 671\6715144.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Location Method Desc: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		11179780 10/13/2004 on Water Well Record		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	17 559826.00 4819993.00 UTM83 3 margin of error : 10 - 30 m wwr
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:		933262877 2 1.0 3.0 ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:		933262876 1 0.0 1.0 ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933262878			
Layer:		3			
Plug From:		3.0			
Plug To:		15.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966715144			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11188299			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930853034			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		5.0			
Depth To:		0.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933411028			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.0			
Screen End Depth:		15.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.0			
<u>Hole Diameter</u>					
Hole ID:		11314219			
Diameter:		3.0			
Depth From:		0.0			
Depth To:		15.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
31	1 of 1	N/229.6	325.8 / 11.23	The Corporation of the City of Guelph 70 Alma St Guelph ON	SPL

32	1 of 1	ESE/230.9	310.0 / -4.60	Wellington Street West Guelph ON	WWIS
Well ID:	7332721			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	05/07/2019
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z300108			Contractor:	7282
Tag:	A258990			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:			GUELPH CITY	Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7332721.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		12/17/2018			
Year Completed:		2018			
Depth (m):		3.6576			
Latitude:		43.5311270352007			
Longitude:		-80.2575761906329			
X:		-80.25757604260444			
Y:		43.531127033607056			
Path:		733\7332721.pdf			
Bore Hole Information					
Bore Hole ID:		1007431757		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	559990.00
Code OB Desc:				North83:	4820066.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		12/17/2018		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:		1007845801			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		7.0			
Formation End Depth UOM:		ft			
Overburden and Bedrock					
Materials Interval					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation ID:		1007845803			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:					
Material 1 Desc:					
Material 2:		26			
Material 2 Desc:		ROCK			
Material 3:		71			
Material 3 Desc:		FRACTURED			
Formation Top Depth:		10.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1007845802			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		7.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1007847329			
Layer:		2			
Plug From:		4.0			
Plug To:		12.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1007847328			
Layer:		1			
Plug From:		0.0			
Plug To:		4.0			
Plug Depth UOM:		ft			
 <u>Pipe Information</u>					
Pipe ID:		1007844603			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1007849857			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Depth From:		0.0			
Depth To:		5.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1007850462			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.0			
Screen End Depth:		12.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.299999952316284			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1007851303			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
 <u>Water Details</u>					
Water ID:		1007851004			
Layer:		1			
Kind Code:		9			
Kind:		Other			
Water Found Depth:		8.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1007848691			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		12.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
<hr/>					
33	1 of 1	NE/232.1	312.9 / -1.70	270 Waterloo Avenue Guelph ON N1H 3J5	EHS
Order No:	20100429006			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date:	5/5/2010			Search Radius (km):	0.25
Date Received:	4/29/2010			X:	-80.25774
Previous Site Name:				Y:	43.533847
Lot/Building Size:					
Additional Info Ordered:					

34	1 of 1	SE/233.6	310.0 / -4.57	Wellington Street West Guelph ON	WWIS
Well ID:	7332720			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	05/07/2019
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z300109			Contractor:	7282
Tag:	A258987			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GUELPH CITY			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7332720.pdf			

Additional Detail(s) (Map)

Well Completed Date: 12/17/2018
 Year Completed: 2018
 Depth (m): 3.3528
 Latitude: 43.5307430178186
 Longitude: -80.2580635527741
 X: -80.25806340457733
 Y: 43.53074301702564
 Path: 733\7332720.pdf

Bore Hole Information

Bore Hole ID:	1007431754	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	559951.00
Code OB Desc:		North83:	4820023.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/17/2018	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007845798			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		9.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007845799			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		9.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007845800			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:					
Material 1 Desc:					
Material 2:		26			
Material 2 Desc:		ROCK			
Material 3:		71			
Material 3 Desc:		FRACTURED			
Formation Top Depth:		10.0			
Formation End Depth:		11.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007847326			
Layer:		1			
Plug From:		0.0			
Plug To:		4.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1007847327			
Layer:		2			
Plug From:		4.0			
Plug To:		11.0			
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1007844602			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007849856			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		5.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1007850460			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.0			
Screen End Depth:		11.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.299999952316284			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1007851302			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Water Details</u>					
Water ID:		1007851002			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code: 9 Kind: Other Water Found Depth: 9.0 Water Found Depth UOM: ft					
Hole Diameter					
Hole ID: 1007848690 Diameter: 8.0 Depth From: 0.0 Depth To: 11.0 Hole Depth UOM: ft Hole Diameter UOM: Inch					
<u>35</u>	1 of 1	ENE/239.9	311.5 / -3.12	270 Waterloo Ave Guelph ON N1H3J5	EHS
Order No: 20150814018 Status: C Report Type: Custom Report Report Date: 19-AUG-15 Date Received: 14-AUG-15 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -80.257432 Y: 43.533688					
<u>36</u>	1 of 1	SW/241.5	314.8 / 0.17	413 Waterloo Avenue GUELPH ON	SPL
Ref No: 1-3QPOR6 Year: Incident Dt: 8/16/2023 8:52:59 AM Dt MOE Arvl on Scn: MOE Reported Dt: 8/16/2023 1:12:59 PM Dt Document Closed: Site No: MOE Response: Desktop Response Site County/District: Site Geo Ref Meth: Site District Office: Guelph District Office Nearest Watercourse: Site Name: Site Address: 413 Waterloo Avenue Site Region: Site Municipality: GUELPH Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Incident Preceding Spill: Environment Impact: Health Env Consequence: Nature of Impact: Contaminant Qty: 0 other - see notes Contaminant Qty 1: Contaminant Unit: Client Type: Source Type: Pipeline/Components Contaminant Code:					
Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Incident Reason: Incident Summary: Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: SAC Action Class: Call Report Locatn Geodata: Time Reported: System Facility Address: Client Name:		NATURAL GAS Air Human error (Specify) FSB: Enbridge/Guelph/1/2" plastic service line damage/valid locates/safe 02G Northern Lake Erie 02GA Upper Grand River NATURAL GAS DISTRIBUTION {"integration_ids":["PR00001024714"],"wks":["POINT (-80.2617373000 43.5307331000)","creation_date":"2023-08-16"} 			
37	1 of 1	ENE/246.8	307.9 / -6.65	BRISTOL ENTERPRISES (GUELPH) LTD. BRISTOL ST./ST. ARNAUD ST. GUELPH CITY ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		3-0051-91- 91 3/27/1991 Municipal sewage Approved 			

Unplottable Summary

Total: **16** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	The Corporation of the City of Guelph	From Suffolk Street to Waterloo Ave	Guelph ON	
CA	GUELPH CITY	WELLINGTON ST.	GUELPH CITY ON	
CA	GUELPH CITY	WELLINGTON STREET	GUELPH CITY ON	
ECA	The Corporation of the City of Guelph	From Suffolk Street to Waterloo Ave	Guelph ON	N1H 3A1
ECA	The Corporation of the City of Guelph	From Suffolk Street to Waterloo Ave	Guelph ON	N1H 3A1
ECA	The Corporation of the City of Guelph	From Suffolk Street to Waterloo Ave	Guelph ON	N1H 3A1
GEN	CITY OF GUELPH	WELLINGTON STREET	GUELPH ON	N1H 4A7
GEN	CITY OF GUELPH	WELLINGTON STREET	GUELPH ON	N1H 4A7
SPL	The Corporation of the City of Guelph	North of Wellington Street and west of Edinburgh	Guelph ON	
SPL	The Corporation of the City of Guelph	wellington street west	Guelph ON	
SPL	The Corporation of the City of Guelph	80 feet north of Waterloo Ave	Guelph ON	
WWIS		lot D	ON	
WWIS		lot 20	ON	
WWIS		lot 2	ON	
WWIS		lot D	ON	
WWIS		lot 1	ON	

Unplottable Report

Site: *The Corporation of the City of Guelph*
From Suffolk Street to Waterloo Ave Guelph ON

Database:
[CA](#)

Certificate #: 7436-84JFZE
Application Year: 2010
Issue Date: 4/28/2010
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: *GUELPH CITY*
WELLINGTON ST. GUELPH CITY ON

Database:
[CA](#)

Certificate #: 7-1272-86-
Application Year: 86
Issue Date: 10/17/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *GUELPH CITY*
WELLINGTON STREET GUELPH CITY ON

Database:
[CA](#)

Certificate #: 3-1465-86-
Application Year: 86
Issue Date: 10/7/1986
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 Guelph*
From Suffolk Street to Waterloo Ave Guelph ON N1H 3A1

Database:
[ECA](#)

Approval No: 4129-7TDMBA
Approval Date: 2009-06-26
MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Corporation of the City of Guelph
Address: From Suffolk Street to Waterloo Ave
Full Address:
Full PDF Link:
PDF Site Location:

Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Corporation of the City of Guelph**
From Suffolk Street to Waterloo Ave Guelph ON N1H 3A1

Database:
ECA

Approval No: 7436-84JFZE
Approval Date: 2010-04-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the City of Guelph
Address: From Suffolk Street to Waterloo Ave
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7449-838T47-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Corporation of the City of Guelph**
From Suffolk Street to Waterloo Ave Guelph ON N1H 3A1

Database:
ECA

Approval No: 4872-7TDMQJ
Approval Date: 2009-06-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the City of Guelph
Address: From Suffolk Street to Waterloo Ave
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8608-7SLKMU-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **CITY OF GUELPH**
WELLINGTON STREET GUELPH ON N1H 4A7

Database:
GEN

Generator No: ON5491434
SIC Code: 541330
SIC Description: ENGINEERING SERVICES
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Site: CITY OF GUELPH
WELLINGTON STREET GUELPH ON N1H 4A7

Database:
GEN

Generator No: ON5491434
SIC Code: 541330
SIC Description: ENGINEERING SERVICES
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Site: The Corporation of the City of Guelph
North of Wellington Street and west of Edinburgh Guelph ON

Database:
SPL

Ref No: 5474-9Y8QZV	Municipality No:
Year:	Nature of Damage:
Incident Dt: 7/8/2015	Discharger Report:
Dt MOE Arvl on Scn:	Material Group:
MOE Reported Dt: 7/8/2015	Impact to Health:
Dt Document Closed: 11/4/2015	Agency Involved:
Site No: NA	
MOE Response: No	
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	
Nearest Watercourse:	
Site Name: Construction Site<UNOFFICIAL>	
Site Address: North of Wellington Street and west of Edinburgh	
Site Region:	
Site Municipality: Guelph	
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	
Incident Preceding Spill:	
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty: 200 L	
Contaminant Qty 1: 200	

Contaminant Unit: L
Client Type:
Source Type:
Contaminant Code: 24
Contaminant Name: SOLVENT (N.O.S.)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason: Unknown / N/A
Incident Summary: Historical Contamination: barrel in ground -breached-
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Industrial
SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:
Client Name: The Corporation of the City of Guelph

Site: The Corporation of the City of Guelph
 wellington street west Guelph ON

Database:
 SPL

Ref No:	8607-9NKJGJ	Municipality No:
Year:		Nature of Damage:
Incident Dt:	2014/09/02	Discharger Report:
Dt MOE Arvl on Scn:	2014/09/02	Material Group:
MOE Reported Dt:	2014/09/02	Impact to Health:
Dt Document Closed:		Agency Involved:
Site No:	NA	
MOE Response:	Planned Field Response	
Site County/District:		
Site Geo Ref Meth:		
Site District Office:		
Nearest Watercourse:		
Site Name:	45 Gal Drums<UNOFFICIAL>	
Site Address:	wellington street west	
Site Region:		
Site Municipality:	Guelph	
Site Lot:		
Site Conc:		
Site Geo Ref Accu:		
Site Map Datum:		
Northing:		
Easting:		
Incident Cause:	Dumping	
Incident Preceding Spill:		
Environment Impact:	Confirmed	
Health Env Consequence:		
Nature of Impact:	Soil Contamination	
Contaminant Qty:	0 other - see incident description	
Contaminant Qty 1:	0	
Contaminant Unit:	other - see incident description	
Client Type:		
Source Type:		
Contaminant Code:	98	
Contaminant Name:	UNKNOWN	
Contaminant Limit 1:		
Contam Limit Freq 1:		
Contaminant UN No 1:		
Receiving Medium:		
Incident Reason:	Unknown / N/A	
Incident Summary:	45 Gal barrels found in grd -one spilt	
Activity Preceding Spill:		
Property 2nd Watershed:		
Property Tertiary Watershed:		
Sector Type:	Container/Drum/Tote	

SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:
Client Name: The Corporation of the City of Guelph

Site: The Corporation of the City of Guelph
80 feet north of Waterloo Ave Guelph ON

Database:
SPL

Ref No: 4601-8DJLZL
Year:
Incident Dt: 1/26/2011
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/28/2011
Dt Document Closed: 3/2/2011
Site No:
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Sewer main on St Arnaud Street<UNOFFICIAL>
Site Address: 80 feet north of Waterloo Ave
Site Region:
Site Municipality: Guelph
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: Pipe Or Hose Leak
Incident Preceding Spill:
Environment Impact: Confirmed
Health Env Consequence:
Nature of Impact: Soil Contamination
Contaminant Qty: 10 kg
Contaminant Qty 1: 10
Contaminant Unit: kg
Client Type:
Source Type:
Contaminant Code: 43
Contaminant Name: CONTAMINATED SOIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason: Equipment Failure
Incident Summary: City of Guelph, 5-10 kg contaminated soil, leaking sewer
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Sewer
SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:
Client Name: The Corporation of the City of Guelph

Site: lot D ON

Database:
WWIS

Well ID: 6711098
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/15/1993

Water Type:
Casing Material:
Audit No: 118188
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GUELPH TOWNSHIP
Site Info:

Selected Flag: TRUE
Abandonment Rec:
Contractor: 4005
Form Version: 1
Owner:
County: WELLINGTON
Lot: D
Concession:
Concession Name: DIV B
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10474938
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/07/1993
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932650940
Layer: 4
Color: 2
General Color: GREY
Material 1: 26
Material 1 Desc: ROCK
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 68.0
Formation End Depth: 115.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932650937
Layer: 1
Color: 6
General Color: BROWN
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 28
Material 2 Desc: SAND
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 7.0

Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932650938
Layer: 2
Color: 1
General Color: WHITE
Material 1: 26
Material 1 Desc: ROCK
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 49.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932650939
Layer: 3
Color: 8
General Color: BLACK
Material 1: 26
Material 1 Desc: ROCK
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 49.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 966711098
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 11023508
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930773505
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 19.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930773506
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 996711098
Pump Set At:
Static Level: 13.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933964923
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 30.0
Water Found Depth UOM: ft

Water Details

Water ID: 933964924
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 62.0
Water Found Depth UOM: ft

Water Details

Water ID: 933964922
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 25.0
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
WWIS

Well ID: 6708473
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:

Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes
Data Src:
Date Received: 07/07/1986
Selected Flag: TRUE

Casing Material:
Audit No: NA
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GUELPH TOWNSHIP
Site Info:

Abandonment Rec:
Contractor: 2336
Form Version: 1
Owner:
County: WELLINGTON
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1009112433
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/23/1986
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Site:
lot 2 ON

Database:
WWIS

Well ID: 6714204
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 247564
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GUELPH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/18/2002
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2663
Form Version: 1
Owner:
County: WELLINGTON
Lot: 002
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10536412
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/18/2002

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

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

Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 932902035
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932902036
Layer: 2
Color: 6
General Color: BROWN
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 68.0
Formation End Depth: 124.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933235494
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 966714204
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11084982
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930778824
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930778825
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 996714204
Pump Set At:
Static Level: 19.0
Final Level After Pumping: 26.0
Recommended Pump Depth: 60.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 25.0
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:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934357831
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934874645
Test Type: Draw Down
Test Duration: 45
Test Level: 26.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935135700
Test Type: Draw Down

Test Duration: 60
Test Level: 26.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934613626
Test Type: Draw Down
Test Duration: 30
Test Level: 26.0
Test Level UOM: ft

Water Details

Water ID: 934029894
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 124.0
Water Found Depth UOM: ft

Site:
lot D ON

Database:
WWIS

Well ID: 6711085
Construction Date:
Use 1st: Commerical
Use 2nd: Not Used
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: 118189
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GUELPH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/15/1993
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4005
Form Version: 1
Owner:
County: WELLINGTON
Lot: D
Concession:
Concession Name: DIV B
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10474926
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/10/1992
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 932650880
Layer: 1
Color: 6
General Color: BROWN
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 28
Material 2 Desc: SAND
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932650881
Layer: 2
Color: 1
General Color: WHITE
Material 1: 26
Material 1 Desc: ROCK
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933210296
Layer: 1
Plug From: 0.0
Plug To: 19.0
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 966711085
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 11023496
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930773482
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 19.0
Casing Diameter: 6.0
Casing Diameter UOM: inch

Casing Depth UOM: ft

Site:
lot 1 ON

Database:
WWIS

Well ID: 6708367
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: NA
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GUELPH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes
Data Src:
Date Received: 02/17/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2564
Form Version: 1
Owner:
County: WELLINGTON
Lot: 001
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1009112424
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/15/1985
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

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

AGR

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

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-Apr 2024

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-Apr 30, 2024

Borehole:

Provincial

BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:Provincial [CA](#)

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:Federal [CDRY](#)

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:Provincial [CFOT](#)

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

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-Apr 30, 2024

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 -May 2024

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-Jun 2024

Certificates of Property Use:Provincial [CPU](#)

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

Government Publication Date: 1994 - Aug 31, 2024

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2024**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: Oct 2023**Environmental Activity and Sector Registry:**

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011-Aug 31, 2024**Environmental Registry:**

Provincial

[EBR](#)

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

Government Publication Date: 1994 - Aug 31, 2024**Environmental Compliance Approval:**

Provincial

[ECA](#)

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

Government Publication Date: Oct 2011-Aug 31, 2024**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-Aug 31, 2024**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 ERIIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial

EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2023

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: Oct 2023

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-Jun 2024

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial

FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2022

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 is 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: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2024

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, 2022

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-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory 1993-2020:**

Federal

NPR2

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

Government Publication Date: Sep 2020**National Pollutant Release Inventory - Historic:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

OGWE

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

Government Publication Date: 1988-May 31, 2024**Ontario Oil and Gas Wells:**

Provincial

OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

Provincial

ORD

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

Government Publication Date: 1994 - Aug 31, 2024

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-Aug 31, 2024

Ontario PFAS Spills:

Provincial

PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Mar 2024; May 2024

NPRI Reporters - PFAS Substances:

Federal

PFCH

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

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI:

Federal

PFHA

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

Government Publication Date: Sep 2020

Pipeline Incidents:

Provincial

PINC

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

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR:

Provincial

PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

PTTW

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

Government Publication Date: 1994 - Aug 31, 2024

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial

RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Aug 2024

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-Apr 30, 2024

Scott's Manufacturing Directory:

Private

SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

SPL

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

Government Publication Date: 1988-Jun 2024

Wastewater Discharger Registration Database:

Provincial

SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970 - Apr 2024

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 Aug 31, 2024

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: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX D - RECORDS OF CORRESPONDENCE

CITY OF GUELPH
MINISTRY OF THE ENVIRONMENT CONSERVATION AND PARKS (MECP)
TECHNICAL STANDARDS AND SAFETY AUTHORITY (TSSA)

November 12, 2024

Bluewater Geoscience Consultants Inc.

42 Shadyridge Place
Kitchener ON, N2N 3J1

Dear: Bret Lemieux and Bill Leedham,

RE: Environmental Records Review – 343 Waterloo Ave, Guelph ON

This letter is in reply to your correspondence dated November 4, 2024 requesting a background search of our records for any environmental infractions and related concerns for the above noted property.

There is no historical data to indicate that this property is a Brownfield Site.

We have found no record of environmental infractions, spills and/or related concerns for this property.

We have found no information that would indicate that this property has been used as a cemetery or landfill.

You may wish to contact the Ontario Ministry of Environment, Conservation and Parks to inquire if they have any records pertaining to potential environmental contamination for this property.

Sincerely,



Alexandra Marson

Stormwater Service Program Coordinator
Development and Environmental Engineering
Engineering and Transportation Services

T 519-822-1260 x 3460

F 519-822-6194

City Hall
1 Carden St
Guelph, ON
Canada
N1H 3A1

T 519-822-1260
TTY 519-826-9771

guelph.ca



**Ministry of the Environment,
Conservation and Parks**

Corporate Management Division

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

Division de la gestion ministérielle

November 7, 2024

Bill Leedham

Dear Bill Leedham

RE: Request #: EPI-2024-2000005218

Site address: 343 Waterloo Avenue, Guelph

This letter confirms that, after conducting a thorough search of its source system applications, the ministry was not able to find any records related to your environmental property-related information request.

If you have any questions regarding the matter, please contact the ministry at eproperty@ontario.ca.

Sincerely,

Environmental Property Information (EPI) Program

Disclaimer

This search result is provided for informational purposes only and is not intended to provide specific advice or recommendations. The Ministry of the Environment, Conservation and Parks (MECP) cannot and does not guarantee that the information provided is current, accurate, complete, or free of errors. Any reliance upon this information is solely at the risk of the user.



**Ministry of the Environment,
Conservation and Parks**

Corporate Management Division

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

Division de la gestion ministérielle

Le 7 novembre 2024

Bill Leedham

Madame,
Monsieur, Bill Leedham
Objet : No de demande : EPI-2024-2000005218
Adresse du site: 343 Waterloo Avenue, Guelph

La présente lettre confirme que, après avoir effectué une recherche exhaustive dans ces applications de système source, le ministère n'a pu trouver aucun dossier concernant à votre demande pour des données environnementales relatives aux biens immobiliers.

Si vous avez des questions concernant votre demande, nous vous invitons à communiquer avec le ministère à l'adresse électronique suivante:
eproperty@ontario.ca.

Veillez recevoir mes salutations les plus sincères,

Programme d'Information Environnementale de la propriété

Avertissement

Ce résultat de recherche est fourni uniquement à titre informatif et n'a aucunement pour but de donner des conseils particuliers ou des recommandations. Le ministère de l'Environnement de la Protection de la nature et des Parcs (MEPP) ne peut pas garantir que les renseignements fournis sont à jour, exacts, complets et exempts d'erreurs. L'utilisateur qui se fie à ces renseignements le fait à ses seuls risques.

Bill Leedham

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: December 16, 2024 1:33 PM
To: Bill Leedham
Subject: RE: Request for Confirmation of TSSA Records - 343 Waterloo Avenue, Guelph , ON

RECORD FOUND IN CURRENT DATABASE

Hello,

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

- We confirm that there are records in our current database of any fuel storage tanks at the subject address(es).

Inventory Number	Address	City	Province	Postal Code	Reason Code	Asset Type / Inventory Item
9679337	335 WATERLOO AV	GUELPH	ON	N1H 3K1	EXPIRED	FS GASOLINE STATION - FUEL SERVE

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the [TSSA Client Portal](#) to complete an Application for Release of Public Information.

Please refer to [How to Submit a Public Information Request \(tssa.org\)](#) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

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

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

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

Kind regards,



Kimberly Gage | Public Information & Records Agent

Public Information

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1 416-734-3581 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org

www.tssa.org



Winner of 2024 5-Star Safety Cultures Award

From: Bill Leedham
Sent: Monday, December 16, 2024 1:17 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Request for Confirmation of TSSA Records - 343 Waterloo Avenue, Guelph , ON

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

To Whom It May Concern:

Bluewater Geoscience Consultants has been retained to conduct an Environmental Site Assessment for a property located at 343 Waterloo Avenue, in Guelph, ON. As part of our records search can you please confirm whether the TSSA has any records of underground or aboveground fuel storage tanks for the site and adjacent properties at the following addresses? Thanks.

343 Waterloo Avenue, Guelph
335 Waterloo Avenue
338 Waterloo Avenue
371 Waterloo Avenue
103 Beechwood Avenue

Regards,

Bluewater Geoscience Consultants Inc.

Bill Leedham P. Geo, CESA, QP_{ESA}
Sr. Geoscientist

Cell: 519-716-9208
E-mail: bleedham63@gmail.com

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APPENDIX E - PLAN OF SURVEY

Phase One and Two ESA
and RSC Property

