

PHASE I ENVIRONMENTAL SITE ASSESSMENT 51, 55 AND 57 HAWKESVILLE ROAD, ST. JACOBS, ON

FINAL VERSION 2

Prepared for: Polocorp Inc.

Prepared by: Premier Environmental Services Inc.

Premier Project Number: 623088.CE

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EXECUTIVE SUMMARY

Premier Environmental Services Inc. has performed a Phase I ESA of the property located at 51, 55, and 57 Hawesville Road in St. Jacobs, Ontario (hereafter referred to as subject property or Site) in general accordance with CSA Standard Z768-01 (R2022).

The purpose of the Phase I ESA was to determine if evidence of actual and/or potential contamination exists at or adjacent to the subject property. It is Premier's understanding that this work is being completed for due diligence purposes.

The subject property has been used for agricultural purposes since at least the mid-1950s and is approximately 7.2 hectares (~17.84 acres). The property is primarily used for crop production and commercial storage and is developed with two (2) storage buildings, a barn, and a silo.

Based upon the information and data collected via government sources and historical records, interviews with knowledgeable individuals, and data gathered during the visual review conducted on November 20, 2023, no actual or potential environmental concerns were identified in connection with the subject property. As a result, no further environmental investigations are deemed necessary at this time.

This Executive Summary should be read in conjunction with the Statement of Limitations in Appendix E of this report.

1.0 INTRODUCTION

Premier Environmental Services Inc. (Premier) has prepared this Phase I Environmental Site Assessment (ESA) report for the property located at 51, 55, and 57 Hawesville Road in St. Jacobs, Ontario (hereafter referred to as subject properties or Site).

Premier completed the work for Polocorp Inc. (the Client) and was authorized to proceed by Mr. Joseph Puopolo (the Site representative) November 20, 2023. The purpose of the Phase I ESA was to determine if evidence of actual and/or potential contamination exists at or adjacent to the subject property. It is Premier's understanding that this work is being completed for due diligence purposes.

2.0 SCOPE OF WORK

The scope of this Phase I ESA as presented in our Proposal Task 4928 dated November 16, 2023, was developed in general accordance with established industry practices outlined by the Canadian Standards Association (CAN/CSA) Standard Z768-01 (R2022) and consisted of the following components:

- An inspection of the property;
- A visual reconnaissance of the surrounding area;
- Historical records review including available previous investigation reports;
- A review of municipal, provincial and federal records to identify any documented environmental conditions associated with the subject property or surrounding area that could affect public health or the environment;
- Conducting interviews with people knowledgeable about the subject property;
- Review of topographic, soil, geological and land use maps;
- A search of publicly available environmental databases; and
- Preparation of this report containing relevant data, evaluation, and conclusions.

Premier understands that a Record of Site Condition (RSC) is not required for the property at this time. If a Record of Site Condition (RSC) is required in the future, additional ESA work would be required to bring the Phase I ESA study in line with the specific requirements of an O. Reg. 153/04 compliant Phase One Environmental Site Assessment.

3.0 SITE OVERVIEW

3.1 SITE DESCRIPTION

The subject property is located on the south side of Hawkesville Road, approximately 300 m west of the intersection of Hawkesville Road and Northside Drive in St. Jacobs, within the Township of Woolwich, Ontario. The Site occupies a lot measuring approximately 7.2 hectares (~17.84 acres) and is zoned for agricultural use. The Site is currently developed with three (3) buildings situated just south of Hawkesville Road.

A Site Location Map is provided in Figure A1 of Appendix A. As indicated on Figure A2 in Appendix A, the topography at the subject property and surrounding properties is relatively flat with an average surface elevation of approximately 340 m above sea level, and a gradual decline towards the Conestogo River to the south. The south Site boundary includes a small portion of the Conestogo River and its adjacent floodplain.

The exterior areas of the subject property are generally covered with cropland, grass, and mature trees. Piles of asphalt and sand were observed to the south of the on-Site buildings and are not considered significant since they are leftover from previous Site grading work. An pond is also located in the northwest portion of the property.

Vehicular access to the Site is via one (1) sand and gravel driveway from Hawkesville Road along the northern property boundary.

3.2 BUILDING DESCRIPTIONS

The Site is developed with the four (4) buildings located in the north-central portion of the property. These buildings are summarized in Table 1, below.

Table 1 – Summary of Site Buildings

Building Description	Current Usage	Approximate Building Footprint
Storage Building A	Commercial (Storage and Vehicle Bays)	1,319 m ² (14,198 ft ²)
Storage Building B	Vacant	220 m ² (2,368 ft ²)
Barn	Vacant	352 m ² (3,789 ft ²)
Silo	Vacant	28 m ² (301 ft ²)

The on-Site buildings are constructed with wood framing with metal clad walls and sloped metal roofing. Storage Building A has a concrete slab-on-grade foundation, and Storage Building B and the silo are constructed above an earthen floor.

3.3 UTILITIES AND BUILDING SERVICES

The following utilities are available at the subject property:

- Electricity is provided by Enova Power Corp.;
- Natural gas is provided by Enbridge Gas;
- Potable water is obtained from the Region of Waterloo's water supply system;
- Storm and sanitary sewer services are provided by the Region of Waterloo; and
- Telephone, cable, and internet services are obtained through a number of local service providers.

4.0 RECORDS REVIEW

4.1 TITLE SEARCH/HISTORICAL PROPERTY USE

Chain of title information was not provided as part of this Phase I ESA, however, Premier compiled historical proprietor information and land uses via information obtained from regulatory sources, aerial photos, and through interviews. A title search is not expected to provide further relevant information.

4.2 CITY DIRECTORIES

Premier retained Environmental Risk Information Services (ERIS) to conduct a search of available city directories for the subject property and selected surrounding properties. The city directory search results were received on December 6, 2023. The only results received were for the Calvary United Church located at 48 Hawkesville Road for the years 2012, 2017 and 2021. These records are not considered potential environmental concerns for the Site.

4.3 HISTORICAL AERIAL PHOTOGRAPHS

Premier obtained historical aerial photographs from ERIS for the years 1955, 1964, 1971, 1980, 1990, and 2022. These photos were augmented by Google Earth aeriels from 2006 and 2016. Copies of the reviewed aerial photographs are included in Appendix B2.

The following is a summary of the photographic review:

1955

The Site and neighbouring properties are located in an agricultural area. There appears to be agricultural buildings and farmhouses present in the northwest portion of the Site. Conestogo River is south of the Site and generally runs in a westerly direction. A railway line is visible and runs adjacent to the west property boundary.

1964

The Site and surrounding areas appear similar to the 1955 aerial photograph with the exception of the presence of a small creek running along the western portion of the Site.

1971

The Site and surrounding areas appear similar to the 1964 aerial photograph with the exception of the demolition of some of buildings on the Site.

1980

The Site appears to have been developed with additional agricultural buildings. The surrounding properties appear similar to the 1971 aerial photograph with the exception of the presence of single-detached family dwellings east of the Site.

1990

The Site and surrounding properties appear to be similar to the 1980 aerial photograph with the exception of the presence of a pond in the northwest portion of the Site. The pond possibly intersects the small creek located in the western portion of the Site.

2006, 2016, and 2022

The subject property and surrounding properties appear to be similar to their present-day configuration.

The presence of the rail line west of the Site boundary is noteworthy. However, based on the rail line being located in a down- to cross-gradient direction of the subject property with respect to groundwater flow direction, the railway line is not considered a potential environmental concern for the Site.

Based upon the findings of the aerial photograph review, no potential environmental concerns were identified.

4.4 INSURANCE RECORDS

Premier retained ERIS to conduct a search of available insurance records for the Site and surrounding lands. No insurance records, such as Fire Insurance Plans, were found for the Site and surrounding lands. A copy of the ERIS correspondence is provided in Appendix C.

4.5 REGULATORY AGENCIES

Records requests were submitted to the following agencies as a component of this investigation:

4.5.1 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) was contacted by Premier via e-mail regarding records of fuel storage tanks at the subject property. The TSSA responded on November 21, 2023, that they have no fuel storage tank records for the subject property.

A copy of the TSSA correspondence is provided in Appendix C.

4.5.2 Ministry of the Environment, Conservation, and Parks (MECP) – Freedom of Information

Premier contacted the MECP Access and Privacy Office to request information pertaining to the subject property under the Freedom of Information (FOI) regulation. The MECP responded on December 18, 2023, that they have no fuel storage tank records for the subject property.

A copy of the MECP correspondence to date is provided in Appendix C.

4.5.1 Grand River Conservation Authority (GRCA)

The GRCA was contacted by Premier to request access to general records under the Freedom of Information and Protection of Privacy Act. The GRCA response was received on February 9, 2024. Information currently available at this office indicates that the subject property contains the following features regulated by the GRCA (please see attached map):

- Conestogo River
- Floodplain associated with the Conestogo River
- Tributary (watercourse) to the Conestogo River
- Erosion hazards (Steep slopes)
- Wetland
- The regulated allowances to the features identified above

The Subject Site is immediately adjacent to the Conestogo River. The Conestogo River is identified by the MNR as a WARM water system with a diverse fish community which includes top predators' smallmouth bass, northern pike, and walleye.

The DFO SAR mapping identifies regulated Critical Habitat for Black Redhorse (*Moxostoma duquesnei*) as well as Silver Shiner (*Notropis photogenis*), both species ranked as Threatened. The DFO SAR mapping also identifies this reach of the Conestogo River as supporting rainbow mussel (*Villosa iris*) ranked as Special Concern and Wavy-rayed Lampmussel (*Lampsilis Fasciola*) ranked Special Concern federally but Threatened under the Ontario Endangered Species Act.

An unnamed tributary of the Conestogo River flows along the west side of the Subject Site with its flow originating from systematic field tile north of the site.

Unevaluated wetlands are located on and adjacent to the Subject Site. The small, regulated wetland feature (approximately 0.35ha/0.87Ac) located adjacent to the existing building was field verified by MNR staff in 2011.

There are no active GRCA Permits and the GRCA is not aware of or investigating any known violations of Ontario Regulation 150/06 on this property.

A copy of the GRCA records is provided in Appendix C.

4.6 DATABASES

4.6.1 Environmental Risk Information Service (ERIS) Report

Premier contacted ERIS and ordered a standard ERIS database report which included a search of available government and private databases with listings present within a 250 m distance of the boundaries of the Site. A copy of the ERIS report showing the Study Area is included in Appendix C. Relevant findings of our review are summarized as follows:

Subject Property

There were two (2) records found for the subject property in the following databases;

- ERIS Historical Searches (EHS) – 1 record; and
- Water Well Information System (WWIS) – 1 record.

Based on the nature of the EHS record, it is not considered to represent a potential environmental concern. The WWIS record is related to monitoring well installation in 2021. Based on information provided by the Site representative, the monitoring well was installed during a hydrogeological study in 2021. Therefore, the WWIS record is not considered to represent a potential environmental concern.

Surrounding Properties

There were sixty (60) records found for the surrounding properties in the following databases:

- Borehole (BORE) – 2 records;
- Environmental Compliance Approval (ECA) – 2 records;
- ERIS Historical Searches (EHS) – 4 records;
- Ontario Regulation 347 Waste Generator Summary (GEN) – 2 records;
- Pesticide Register (PES) – 2 records;
- Record of Site Condition (RSC) – 1 record;
- Scott's Manufacturing Directory (SCT) – 9 records; and
- Water Well Information System (WWIS) – 38 records.

Based on a review of the ERIS database entries for the surrounding properties, the following properties are considered noteworthy based on their distance from the subject property and the inferred groundwater flow direction (southwest or south):

Lot 36 and Hawkesville Road

These properties are located approximately 9 m east and 25 m northwest of the Site and have entries in the WWIS database. The WWIS listing describes in installation of wells in 2020 and 2021. Based on the historical use of these surrounding properties for agricultural or residential purposes, it is unlikely these wells were installed as part of environmental investigations. Therefore, these WWIS records are not considered to represent a potential environmental concern.

7 Chris Court

This property is located approximately 41 m east of the Site and has listings in the SCT directory. Based on the nature of this SCT listings, these records are not considered to represent a potential environmental concern.

20 and 48 Hawkesville Road

These properties, located approximately 143 m northeast of the Site, have entries in the PES and ECA databases. The PES listings indicate Calvary United Church was a vendor of pesticides. The ECA record for these properties indicates that the approval is related to municipal and private sewer works. Given the nature of these ERIS records, they are not considered to represent a potential environmental concern.

Based on a review of the remaining ERIS listings for the surrounding properties not summarized above, the records are not considered to represent a potential environmental concern to the Site due to their inferred cross- or down-gradient locations and/or distance from the Site.

ERIS has supplied a list of six (6) unplottable listings that cannot be mapped. Based on a review of these records, no potential environmental concerns were identified.

4.6.2 Wetlands

Based upon a review of the Ontario GeoHub May 2019 on-line detailed interactive map of wetlands in Southern Ontario prepared by Ontario Ministry of Natural Resources and Forestry, there are two (2) different wetlands present on the subject property: one (1) wetland in the northwestern portion near the railway which includes the pond, and part of one (1) in the southeastern portion adjacent Conestogo River. The presence of these wetlands is not considered to represent a potential environmental concern due the historical use of the areas of property where the wetlands exist.

4.6.3 Flood Mapping

Based upon a review of available on-line detailed interactive map compiled by the Grand River Conservation Authority (GRCA), the southern portion of the Site is located within a flood plain, adjacent to the Conestogo River. This mapped area does not include the on-Site buildings.

The presence of a floodplain on the Site is not considered to represent a potential environmental concern as this area of the Site has been historically used for agricultural purposes.

4.6.4 Federal Inventory of Contaminated Sites

Premier searched the on-line *Federal Inventory of Contaminated Sites* for records of all known federal contaminated sites and federal sites that have been investigated. The search revealed that there are no federally controlled contaminated Sites at or within 500 m of the Site.

4.7 REVIEW OF PREVIOUS REPORTS

No previous reports were available for review as part of this Phase I ESA.

4.8 GEOLOGY, TOPOGRAPHY, HYDROLOGY

Based upon the Ontario Geological Survey, 1991, Bedrock Geology of Ontario, Ontario Geologic Survey, Southern Sheet, Ontario Geological Survey Map 2544, bedrock in the vicinity of the Site is part of the Salina Formation, which consists of limestone, dolostone, shale, sandstone, gypsum, and salt.

A topographic map is presented as Figure A2 in Appendix A. The average elevation of the Site is approximately 340 m above sea level, with a gradual slope towards Conestogo River to the south. Based upon the local topography, the inferred direction of groundwater flow is assumed to be to the south towards Conestogo River.

Based upon the Quaternary Geology of Ontario, Ministry of Northern Development and Mines, Southern Sheet, Map 2556, overburden in the area consists of both Tavistock Till, which is composed of sandy silt to silt matrix and moderate to poor clast content, and glaciofluvial outwash deposits, which are composed of gravel and sand and include proglacial river and deltaic deposits.

The MECP maintains a water well database known as the Water Well Information System. This database was searched as part of the ERIS report and thirty-nine (39) listings were identified within 250 m of the Site, including one (1) well record for the subject property. The lithology at the property was described as loose black topsoil from surface to 0.2 m (0.7 ft) below ground surface (bgs), dense brown silty-clay from near 0.2 to 3.7 m (0.7 to 12 ft) bgs, dense brown till-clay from 3.7 to 10.7 m (12 to 35 ft) bgs, and dense grey till-clay from 10.7 to 15.2 m (35 to 50 ft) bgs. The listing at the Site indicates that groundwater was identified at approximately 10.7 m (35 ft) bgs.

5.0 HISTORICAL SITE DEVELOPMENT

Based upon review of available information, the Site is generally located within an area that has been historically used for agricultural purposes since at least the mid-1950s. Based on a review of the available records, the subject property has consistently been used for agricultural and commercial purposes.

6.0 SITE VISIT

6.1 GENERAL

Mr. Troy Jones conducted the Site reconnaissance and interview on November 20, 2023, with the Site representative. The interview was conducted with the property owner, Mike Puopolo. The results of the interview are incorporated throughout the report. Selected photographs of the Site and surrounding properties were taken during the Site reconnaissance and are presented in Appendix B1. All areas of the Site were accessible during the Site reconnaissance with the exception of the interior of the silo.

6.2 PROPERTY USE

The subject property is zoned agricultural and is primarily used for crop production and commercial storage. The Site is developed with two (2) storage buildings (Site Buildings A and B), a barn, and a silo. Site Building A is the only building on-Site which is currently occupied by tenants.

Site Building A used for general storage by the Client and is also tenanted by Mega Cone Creamery and TAS Trucking.

In 2020, Mega Cone Creamery entered into a 5-years lease agreement with the previous property owner to store two ice cream trucks and ice cream in freezers in Site Building A. Mega Cone Creamery and the current owner have agreed to extend the lease on a month-to-month basis while Mega Cone Creamery looks for alternate space.

In 2020, TAS Trucking entered into a lease agreement with the previous property owner to store dump truck / snowplows at the subject property. Vehicles were stored inside Site Building A and exterior to the south elevation of Site Building A. As of August 2025, TAS no longer leases the subject property.

Both tenants used vehicle bays in Site Building A to store vehicles and perform light maintenance. The light vehicle maintenance completed by the tenants consisted of routine maintenance. There were no records of waste generation, fuel storage, chemical storage, or spills. There are no company records for the tenants. There is no advertising, exchange of commercial goods, public access, city directories, or ERIS database results for these tenants.

Based on review of the tenant spaces at the time of the Phase I ESA, these activities were not expected to result in subsurface contamination at the subject property, and a Phase II ESA was not required.

Based on the Opinion Letter prepared by Up Consulting, dated November 13, 2025, the subject property is considered agricultural use. Residential redevelopment would not result in the requirement to file an RSC for the Site.

6.3 OBSERVATIONS OF ADJOINING PROPERTIES

The land surrounding the subject property is developed for agricultural, institutional, and residential use. The properties surrounding the subject property are described below.

Properties to the North

- Hawkesville Road, followed by agricultural cropland.
- Calvary United Church is located to the northeast, and single-detached family dwellings are situated to the northwest.

Properties to the South

- Conestogo River, followed by vacant undeveloped land with mature trees.

Properties to the East

- Single-detached family dwellings and vacant undeveloped land with mature trees.

Properties to the West

- The Waterloo Junction Railway rail line followed agricultural cropland.

6.4 HAZARDOUS MATERIALS/SPECIAL ATTENTION ITEMS

As part of the Phase I ESA, Premier reviewed the potential presence of the following substances at the subject property based upon a review of the available documentation as well as the findings of the visual review. The review was non-intrusive and as such, wall and ceiling cavities were not inspected.

6.4.1 Asbestos-Containing Materials (ACMs)

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 fibers. 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 1800's. Because of its strength, versatility, and other desirable structural properties (e.g., 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.

Asbestos is considered toxic and a human health hazard, predominantly resultant from the inhalation of asbestos fibres. The common use of ACMs in construction materials was largely phased out by the early 1980s; however, some forms of non-friable ACMs are still used in building materials today.

ACMs may be characterized as either friable (easily crushed by hand pressure and asbestos fibres rendered airborne) or non-friable (the asbestos fibres are more securely bound within the finished material). Non-friable ACMs may include some types of vinyl floor tiles, fire resistant wall board, and cement based composite products. Friable ACMs may include some types of acoustic and thermal insulation, and spray applied ceiling finishes.

Premier did not observe any potential ACMs within the readily accessible areas of the on-Site buildings. In addition, the Site representative reported that they are not aware of the presence of ACMs within the on-Site buildings.

6.4.2 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).

No evidence of UFFI was observed during the Site review.

6.4.3 Lead

The Surface Coating Materials Regulations (SOR/2005-109) under the Federal Hazardous Products Act limits the amount of lead in surface coating materials to 0.009% by dry weight. The Federal Government has limited the amount of lead in paints to 0.5% since 1976.

Based on the original age of the on-Site buildings, lead-based or lead-containing paints may present within the older sections of the buildings. It is possible that lead may also be present in solder used in copper pipe joints.

6.4.4 Polychlorinated Biphenyls (PCBs)

The use of PCBs as dielectric fluids in electrical transformers was common circa 1980 at which time they were replaced by less toxic substances (e.g., silicon, synthetic esters). PCBs may also be present in other fluorescent and high intensity discharge light ballasts.

No potential PCB-containing equipment was observed or reported as being present at the Site.

6.4.5 Ozone Depleting Substances (ODS)

Based on age, the refrigerators used by Mega Cone Creamery are not expected to contain ozone depleting substances (ODS), although this has not been confirmed. If the refrigerators are serviced, or removed during maintenance, it is recommended the units be inspected by qualified personnel and the presence or absence of ODS confirmed. There are no other potential sources of ODSs observed or reported as being present at the Site.

6.4.6 Mould and Water Damage

During the Phase I ESA visual review, particular attention was paid to mould/water damage/ingress issues. During the Site visit, there was no evidence of active water damage nor was suspect mould observed or reported.

6.4.7 Other Emerging Contaminants

There are a number of emerging contaminants that are not currently regulated in Ontario, but should be considered special attention items due to their classification as persistent organic pollutants (POPs) and the likelihood that they will be regulated in the future.

These include Per- and Polyfluoroalkyl Substances (PFAS), which are a classification of fluorinated compounds that can be found in non-stick coatings, stain and water-resistant products, firefighting foams, waterproof fabrics and architectural resins. These substances are now being found globally, and are expected to accumulate around landfill areas, wastewater treatment discharge locations, biosolid application sites and in areas where airborne particulates settle down wind from stack locations. PFAS are also expected to be found in proximity to production and manufacturing facilities, particularly for textiles, leather, paper products, metal plating and etching, coated and insulated wires, photolithography, semi-conductors, industrial surfactants, resins, molds and plastics. They are also found in areas where fires or firefighting training has occurred.

At this time, the potential for PFAS to be present above background concentrations on the subject property is considered to be low.

6.5 ABOVEGROUND STORAGE TANKS

The Site representative indicated that no aboveground storage tanks (ASTs) are currently present at the subject property. In addition, no evidence of ASTs was observed at the subject property during Premier's visual review.

6.6 UNDERGROUND STORAGE TANKS

The Site representative indicated that no underground storage tanks (USTs) are currently present at the subject property. In addition, no evidence of USTs was observed at the subject property during Premier's visual review, including no observations of any fill pipes or ventilation pipes that would suggest the presence of USTs.

6.7 CHEMICALS AND STORAGE CONTAINERS

The following chemicals were observed within Storage Building A:

- Four (4) 18.9 L (5 gal.) plastic pails containing oil in the Mega Cone Creamery unit;
- Five (5) 18.9 L (5 gal.) plastic pails containing oil or hydraulic fluid in the TAS Trucking unit; and
- Two (2) 208 L (55 gal.) steel drums containing oil within the TAS Trucking unit.

All chemicals are stored in manufacturer-supplied containers. Minor staining was observed on the concrete floor adjacent the stored chemicals within the TAS Trucking unit. Since no cracks or drains were observed in the vicinity of the staining, it is not considered significant.

Since all chemicals are stored indoors at the subject property and no significant spills or staining were observed or reported by the Site representative, the chemical storage practices on the subject property are not considered to represent a potential environmental concern.

6.8 WASTE DISPOSAL

Non-hazardous waste is reportedly taken off-Site and disposed of as household garbage. Minor amounts of hazardous waste from light vehicle maintenance is reportedly generated by the tenants in Site Building A and they are responsible for removing this waste from the Site for disposal at an approved facility. In addition, greywater generated at the Site is reportedly discharged to the Region of Waterloo's sanitary sewer system.

Based on the findings of the Site reconnaissance, the waste disposal practices at the Site are not considered to represent a potential environmental concern.

6.9 STAINS AND ODOURS

No significant staining or odours were observed during Premier's visual review of the subject property.

6.10 POTABLE WATER SUPPLY

Potable water at the subject property is provided by the Region of Waterloo which sources potable water from supply wells. Private wells may exist on the neighbouring properties to supply water for agricultural or residential use.

6.11 HEATING AND COOLING

Heating for Site Building A is supplied by natural gas-fired suspended heaters.

There are no air conditioners present at the subject property.

6.12 HYDRAULIC EQUIPMENT

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

6.13 WELLS

One (1) monitoring well was observed in the central portion of the subject property. The presence of this well is not considered to represent a potential environmental concern as it was reportedly installed as part of a hydrogeological study in 2021.

6.14 SEWAGE DISPOSAL

Sewage waste currently generated at the subject property is limited to greywater.

6.15 PITS, SUMPS, AND/OR DRAINS

Floor drains are present within Site Building A. No spills or staining were observed in the vicinity of the floor drains.

No other drains, pits, sumps, or drains were observed during the Site reconnaissance or reported by the Site representative.

6.16 LAGOONS OR HOLDING PONDS

No lagoons or holding ponds were observed by Premier during the Site reconnaissance. A pond which was likely used for agricultural purposes is present in the northwest portion of the property.

6.17 WATERCOURSES, DITCHES, OR STANDING WATER

A drainage ditch is present in the southwest portion of the subject property.

No other ditches, watercourses, or standing water were observed during the Site reconnaissance.

6.18 FILL MATERIALS

A sand pile was observed south of the on-Site buildings and is reportedly clean fill used to grade the driveway and parking areas. Fill materials have been used in the construction of the on-Site buildings, driveways, and parking areas but these are not considered significant.

6.19 STRESSED VEGETATION

No indications of stressed vegetation indicative of chemical spills were observed at the subject property.

6.20 ROADS, PARKING AND RIGHTS OF WAY

Vehicular access to the Site is via one (1) sand and gravel driveway from Hawkesville Road along the northern property boundary. Parking areas are present to the north and south of the on-Site buildings. No rights of way exist at the subject property.

6.21 FIRES

The Site representative reported that no fires have occurred at the subject property and Premier did not note the presence of fire or smoke damage during the visual review of the subject property.

6.22 NOISE

Excessive noise is not anticipated at the subject property, as noise is likely limited to nearby agricultural equipment and roadway traffic.

6.23 AIR EMISSIONS

The subject property produces air emissions resulting from heating equipment and vehicles. These air emissions are not considered to represent a potential environmental concern at the subject property.

6.24 PESTICIDES AND HERBICIDES

No evidence of the use or bulk storage of pesticides or herbicides was observed or reported at the subject property.

6.25 RADON AND METHANE GAS

Radon is a colourless and odourless radioactive gas that is naturally occurring and produced by the decay of uranium found in rocks and soil. Radon can cause potential health problems when it accumulates in confined spaces and can affect indoor air quality. Methane is a colourless and odourless flammable gas which is emitted from the degradation of natural sources as well from human activities such as leakage from natural gas systems.

Based upon the Health Canada *Cross-Canada Survey on Radon Concentrations in Homes* (March 2012), an estimated population-weighted 4.0% of homes in the Waterloo Region exhibited radon concentrations above the recommended 200 Bq/m³. Given this information, radon gas could be present at the subject property; however, radon is unlikely to be a concern as the on-Site buildings are constructed above grade.

Based upon our current understanding of subsurface conditions at the Site, methane does not appear to be a concern.

Note that radon or methane gas testing was beyond the scope of the Phase I ESA.

7.0 CONCLUSIONS

Premier prepared a Phase I ESA of the property located at 51, 55, and 57 Hawkesville Road in St. Jacobs, Ontario in accordance with CSA Standard Z768-01 (R2022).

Based upon the information and data collected via government sources and historical records, interviews with knowledgeable individuals, and data gathered during the visual review conducted on November 20, 2023, no actual or potential environmental concerns were identified in connection with the subject property. As a result, no further environmental investigations are deemed necessary at this time.

8.0 QUALIFICATIONS OF SITE ASSESSORS

The qualifications of the site assessors who carried out this Phase I ESA are presented in Appendix D.

9.0 LIMITATIONS

The use of this report is subject to the Statement of Limitations present in Appendix E. 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.

We trust that this information is satisfactory for your present requirements. Please do not hesitate to contact the undersigned should you have any questions or require additional information.

Yours truly,

Premier Environmental Services Inc.



Troy Jones, BA, CRSP
Senior Project Manager



Matthew Huson, P.Geo., QP
Senior Environmental Geoscientist

P:\2023 Projects\Cambridge\623088.CE-Polocorp Inc.-51 Hawkesville Rd, St. Jacobs, ON\1-Phase I ESA\2\Phase I ESA - 51, 55 and 57 Hawkesville Rd., St. Jacobs FINAL 30Mar2026.doc

10.0 REFERENCES

1. Natural Resources Canada (NRCAN), Toporama, (atlas.nrcan.gc.ca).
2. Canadian Standards Association (CAN/CSA) *Phase I Environmental Site Assessment Standard* CSA Z768-01 (R2022).
3. Google Maps and Google Earth, 2023.
4. Environmental Risk Information Services (ERIS) custom database report for 51 Hawkesville Road, St. Jacobs, ON (Order No. 23111600161), dated November 23, 2023.
5. Ontario Geological Survey, 1991, Bedrock Geology of Ontario, Ontario Geologic Survey, Southern Sheet, Ontario Geological Survey Map 2544.

APPENDIX A – Maps

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

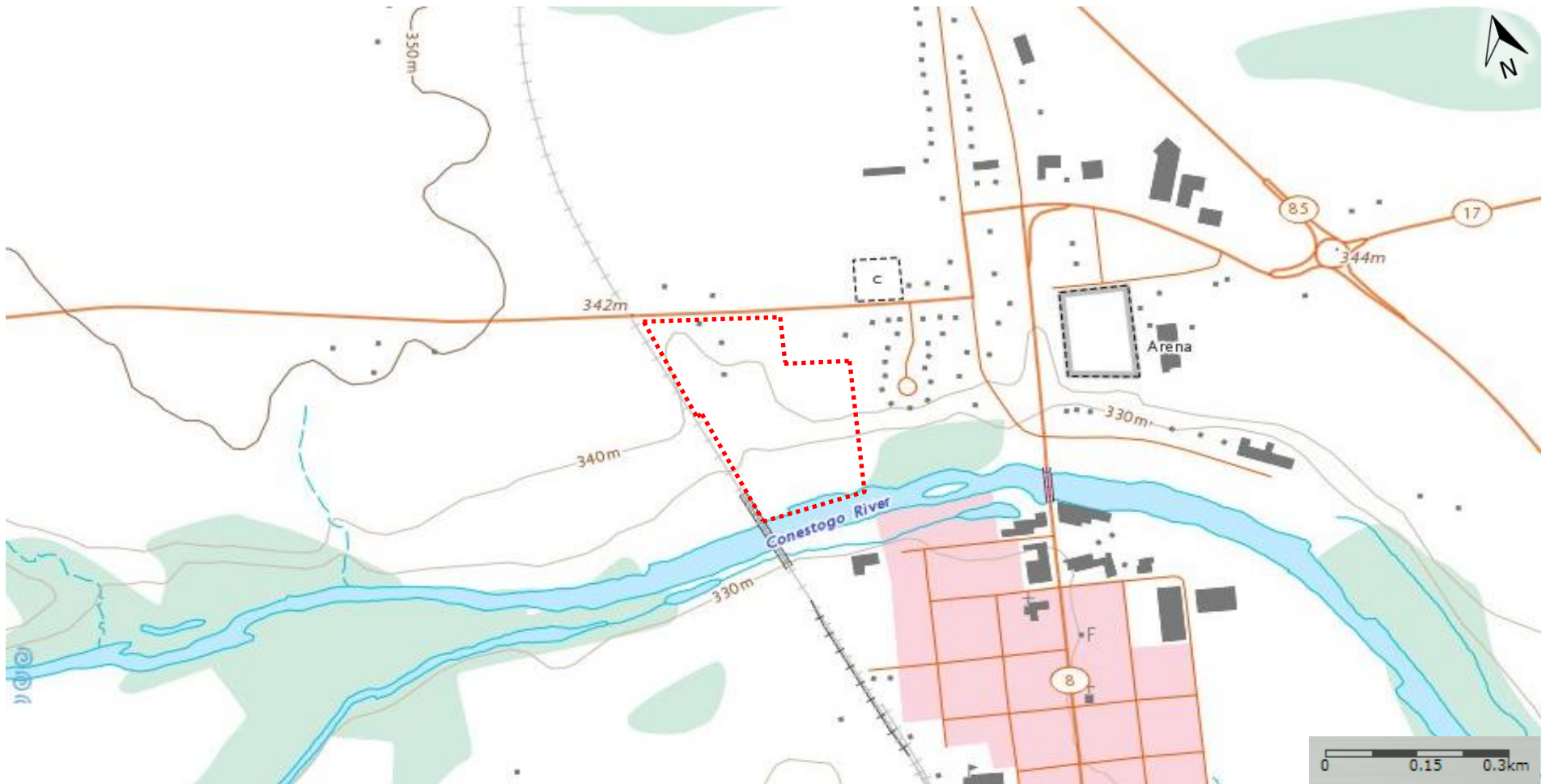


Source: Google Earth, 2022

Scale: As Shown

Approximate Site Boundaries:

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE



Source: Natural Resources Canada, Toporama

Scale: As Shown

Approximate Site Boundaries:

APPENDIX B – Photographs

APPENDIX B1 – Photographic Log

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No. 1	Date: 20-Nov-23
Direction Photo Taken: East	
Description: The on-Site buildings in the north-central portion of the property.	

A wide-angle photograph showing a gravel-covered lot in the foreground. In the middle ground, there is a long, light blue industrial building with several white garage doors. To the right of this building is a tall, dark blue cylindrical silo with a white ladder and a small structure on top. A few cars are parked near the buildings. The background features a line of trees under a cloudy sky.

Photo No. 2	Date: 20-Nov-23
Direction Photo Taken: West	
Description: The north portion of the Site facing west.	



Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No.	Date:	
3	20-Nov-23	
Direction Photo Taken:		
Northeast		
Description:		
The central portion of the Site. Single-family detached dwellings are visible to the northeast and east.		

Photo No. 4	Date: 20-Nov-23	
Direction Photo Taken: South		
Description: The south portion of the Site located within a floodplain.		

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No.	Date:	
5	20-Nov-23	
Direction Photo Taken:		
South		
Description:		
Monitoring well located in the central portion of the Site. This well was reportedly installed as part of a hydrogeological study in 2021.		
		

Photo No.	Date:	
6	20-Nov-23	
Direction Photo Taken:		
Northwest		
Description:		
The pond located in the northwest portion of the Site.		
		

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No. 7	Date: 20-Nov-23
Direction Photo Taken: Northeast	
Description: Residential property located northeast of the Site.	

A photograph of a residential property taken from a grassy field. In the foreground, there is a large tree with bare branches and a wooden fence. Behind the fence, there are several houses, including a red one and a white one, and a white trailer. The ground is covered with fallen brown leaves.

Photo No. 8	Date: 20-Nov-23
Direction Photo Taken: Northeast	
Description: The properties situated north of the Site across Hawkesville Road.	

A wide-angle photograph taken from a grassy area looking across a two-lane asphalt road towards a residential property. The road has a yellow dashed center line and white edge lines. In the background, there is a single-story house with a light-colored roof and walls, partially obscured by a dense line of tall evergreen trees. A paved driveway leads from the road to the house, where a blue car is parked. The sky is overcast and grey. In the foreground, there is a grassy field with some fallen brown leaves.

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No. 9	Date: 20-Nov-23
Direction Photo Taken: West	
Description: The south property boundary and Conestogo River.	

A photograph of a river, likely the Conestogo River, with a bridge visible in the background. The foreground is dominated by tall, dry, brownish grass. The river water is calm, reflecting the sky. The bridge is a dark, arched structure. The sky is overcast with a bright spot where the sun is visible through the clouds. Bare trees are visible along the riverbanks.

Photo No. 10	Date: 20-Nov-23
Direction Photo Taken: Southwest	
Description: The rail line and agricultural property west of the Site.	



Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No.	Date:	
11	20-Nov-23	
Direction Photo Taken:		
Southeast		
Description:		
Storage Building A.		
		

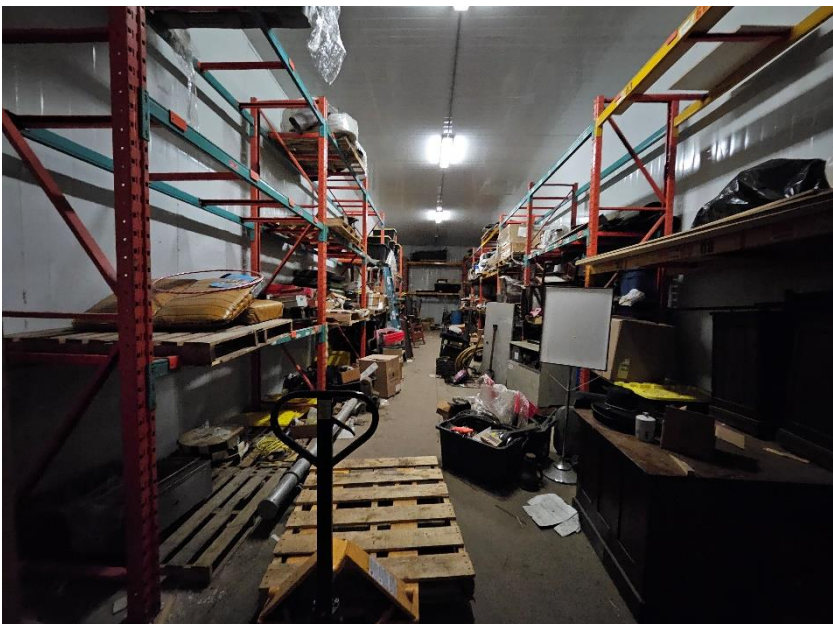
Photo No.	Date:	
12	20-Nov-23	
Direction Photo Taken:		
Northwest		
Description:		
The silo, barn, and Storage Building B.		
		

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No. 13	Date: 20-Nov-23
Direction Photo Taken: Southeast	
Description: The asphalt and sand piles south of the on-Site buildings.	

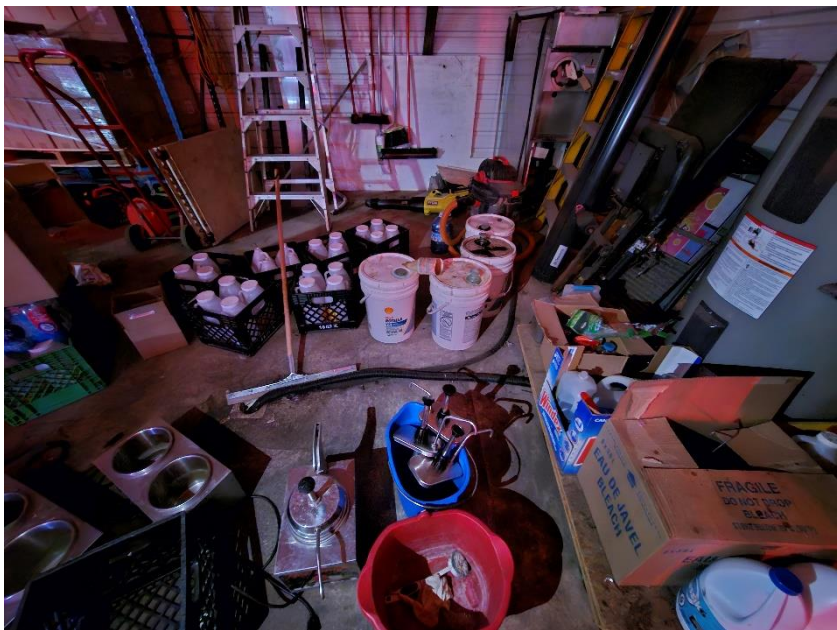
A wide-angle photograph of a construction or industrial site. In the center, there is a large, dark, conical pile of material, likely asphalt or sand. To the left of this pile, a white pickup truck is parked, and further back, a yellow dump truck and a red vehicle are visible. To the right of the pile, a black excavator is positioned. The ground is a mix of dirt and gravel. In the background, there are some trees and a cloudy sky. The overall scene suggests a site for material processing or transport.

Photo No. 14	Date: 20-Nov-23
Direction Photo Taken: N/A	
Description: Storage area within Storage Building A.	



Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No.	Date:	
15	20-Nov-23	
Direction Photo Taken:		
N/A		
Description:		
Vehicle bay in the Mega Cone Creamery unit.		
		

Photo No.	Date:	
16	20-Nov-23	
Direction Photo Taken:		
N/A		
Description:		
Chemicals stored within the Mega Cone Creamery unit.		
		

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No. 17	Date: 20-Nov-23	
Direction Photo Taken: N/A		
Description: Oil drums in the TAS Trucking unit.		

Photo No. 18	Date: 20-Nov-23
Direction Photo Taken: N/A	
Description: Pails containing oil and hydraulic fluid within the TAS Trucking unit.	



Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE

Photo No.	Date:	
19	20-Nov-23	
Direction Photo Taken:		
N/A		
Description:		
Interior of Storage Building B.		
		

Photo No.	Date:	
20	20-Nov-23	
Direction Photo Taken:		
N/A		
Description:		
Interior of the barn.		
		

APPENDIX B2 – Aerial Photographs

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE



Source: Ontario Department of Lands and Forest

Scale: 1:10,000

Approximate Site Boundaries:

Client Name

Polocorp Inc.

Site Location

51, 55, and 57 Hawkesville Road, St. Jacobs, ON

Project No.

623088.CE

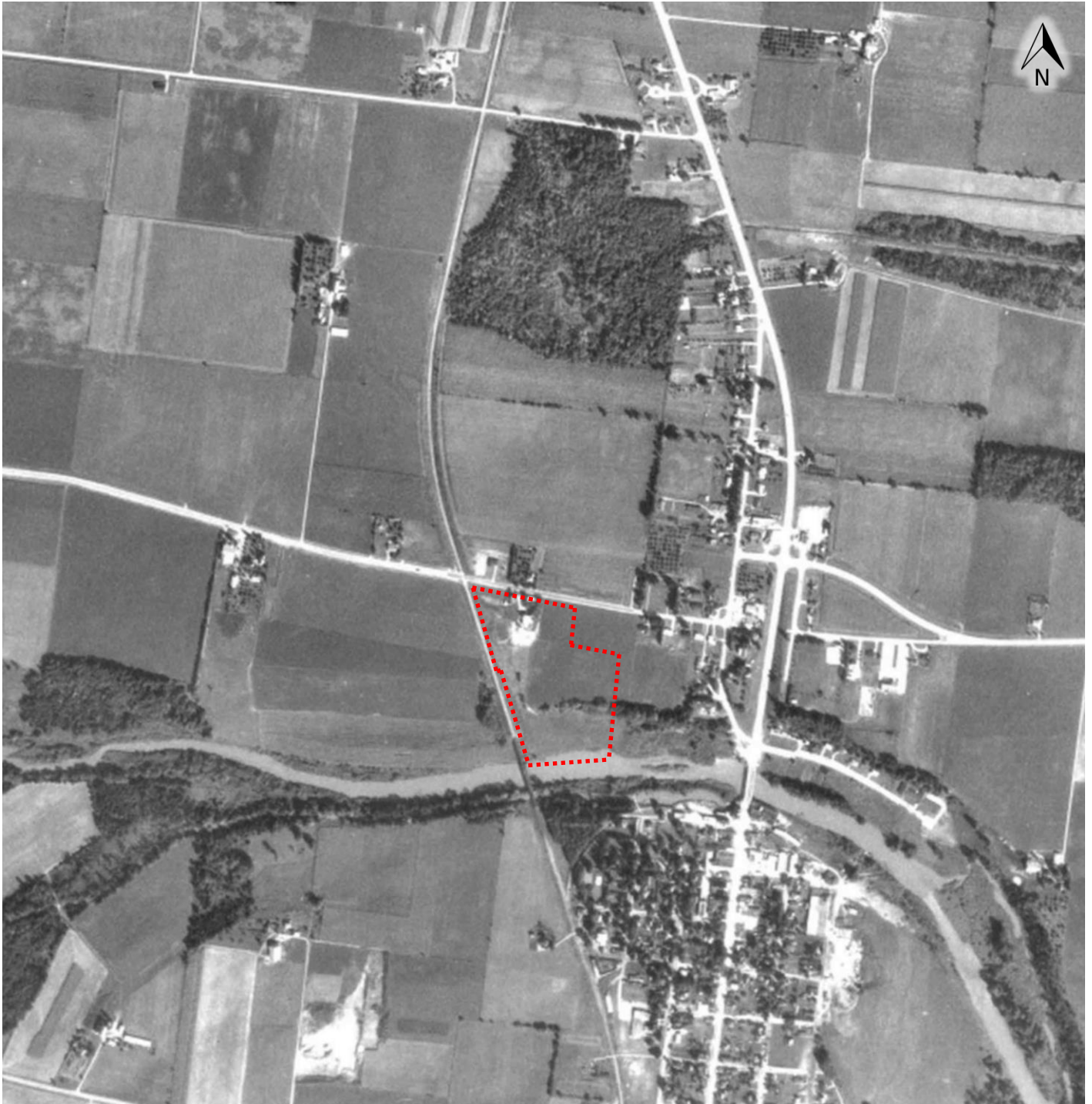


Source: National Air Photo Library

Scale: 1:10,000

Approximate Site Boundaries:

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE



Source: National Air Photo Library

Scale: 1:10,000

Approximate Site Boundaries:

Client Name

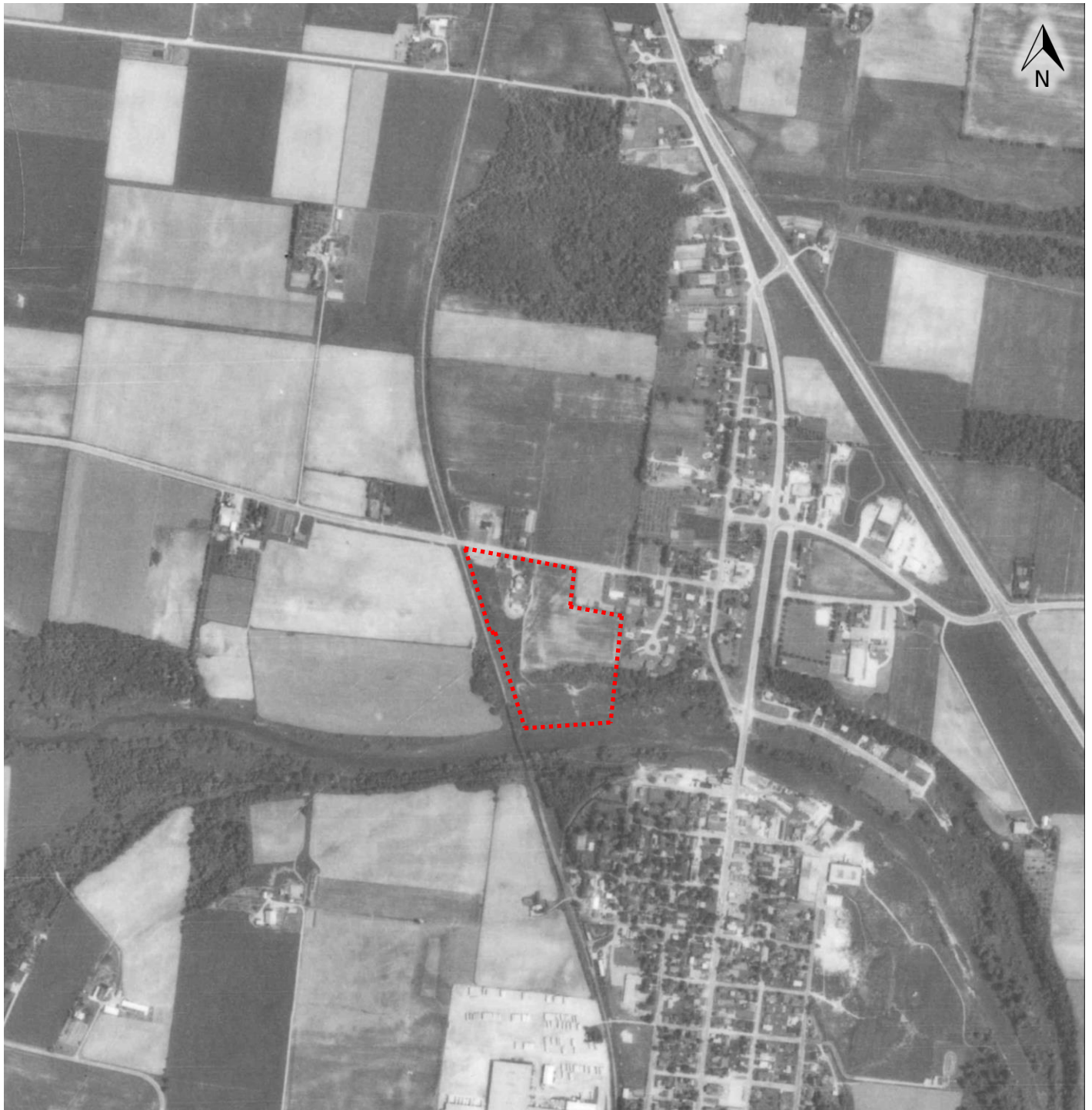
Polocorp Inc.

Site Location

51, 55, and 57 Hawkesville Road, St. Jacobs, ON

Project No.

623088.CE



Source: National Air Photo Library

Scale: 1:10,000

Approximate Site Boundaries:

Client Name

Polocorp Inc.

Site Location

51, 55, and 57 Hawkesville Road, St. Jacobs, ON

Project No.

623088.CE



Source: National Air Photo Library

Scale: 1:10,000

Approximate Site Boundaries:

Client Name

Polocorp Inc.

Site Location

51, 55, and 57 Hawkesville Road, St. Jacobs, ON

Project No.

623088.CE



Source: Google Earth

Scale: As Shown

Approximate Site Boundaries:

Client Name	Site Location	Project No.
Polocorp Inc.	51, 55, and 57 Hawkesville Road, St. Jacobs, ON	623088.CE



Source: Google Earth

Scale: As Shown

Approximate Site Boundaries:

Client Name

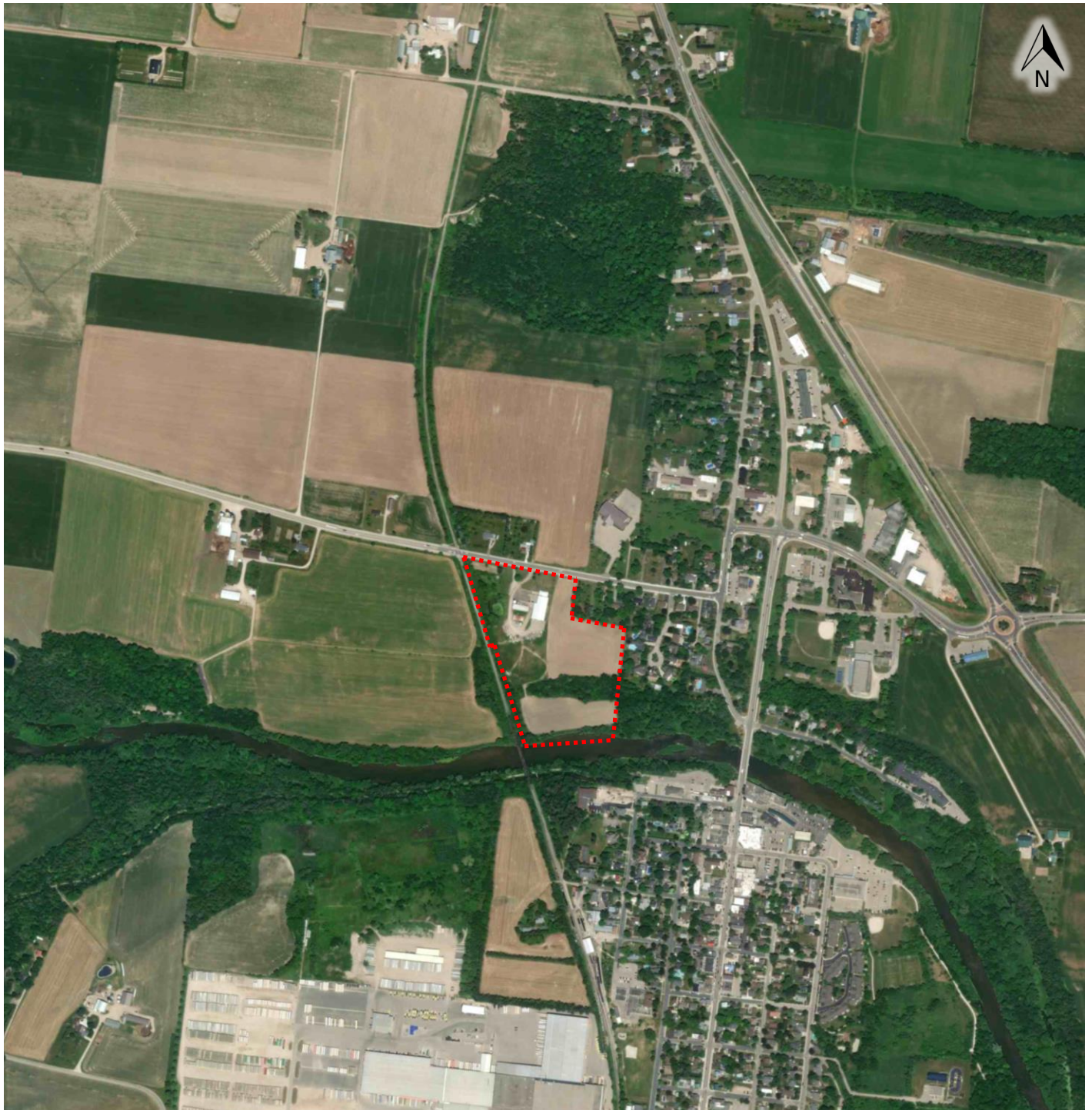
Polocorp Inc.

Site Location

51, 55, and 57 Hawkesville Road, St. Jacobs, ON

Project No.

623088.CE



Source: Maxar

Scale: 1:10,000

Approximate Site Boundaries:

APPENDIX C – Supporting Documents



CITY DIRECTORY

Project Property: *51 Hawkesville Road
51 Hawkesville Road
St. Jacobs, ON N0B 2N0*

Project No: *623088.CE*

Requested By: *Premier Environmental Services Inc.*

Order No: *23112100497*

Date Completed: *December 06, 2023*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

December 06, 2023
RE: CITY DIRECTORY RESEARCH
51 Hawkesville Road
St. Jacobs, ON N0B 2N0

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

Search Criteria:

51 of Hawkesville Road
44 of Hawkesville Road
47 of Hawkesville Road
48 of Hawkesville Road
60 of Hawkesville Road
55 of Hawkesville Road
56 of Hawkesville Road
57 of Hawkesville Road
52 of Hawkesville Road

Search Notes:

St. Jacobs, Ontario is listed from 2012-2021 within the city directories.

Search Results Summary

Date	Source	Comment
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	

Environmental Risk Information Services

A division of Glacier Media Inc.

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48

CALVARY UNITED CHURCH...CHURCHES

48

CALVARY UNITED CHURCH...RELIGIOUS ORGANIZATION

48

CALVARY UNITED CHURCH...RELIGIOUS ORGANIZATION



enviroscan



175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Nate

Site Address:

51 Hawkesville Road, St. Jacobs, ON

Project No:
23112100497

Opta Order ID:
137282

Requested by:
Eleanor Goolab
ERIS

Date Completed:
11/28/2023 9:41:10 PM

Project Name: 51 Hawkesville Road

Project #: 23112100497
P.O. #: 623088.CE

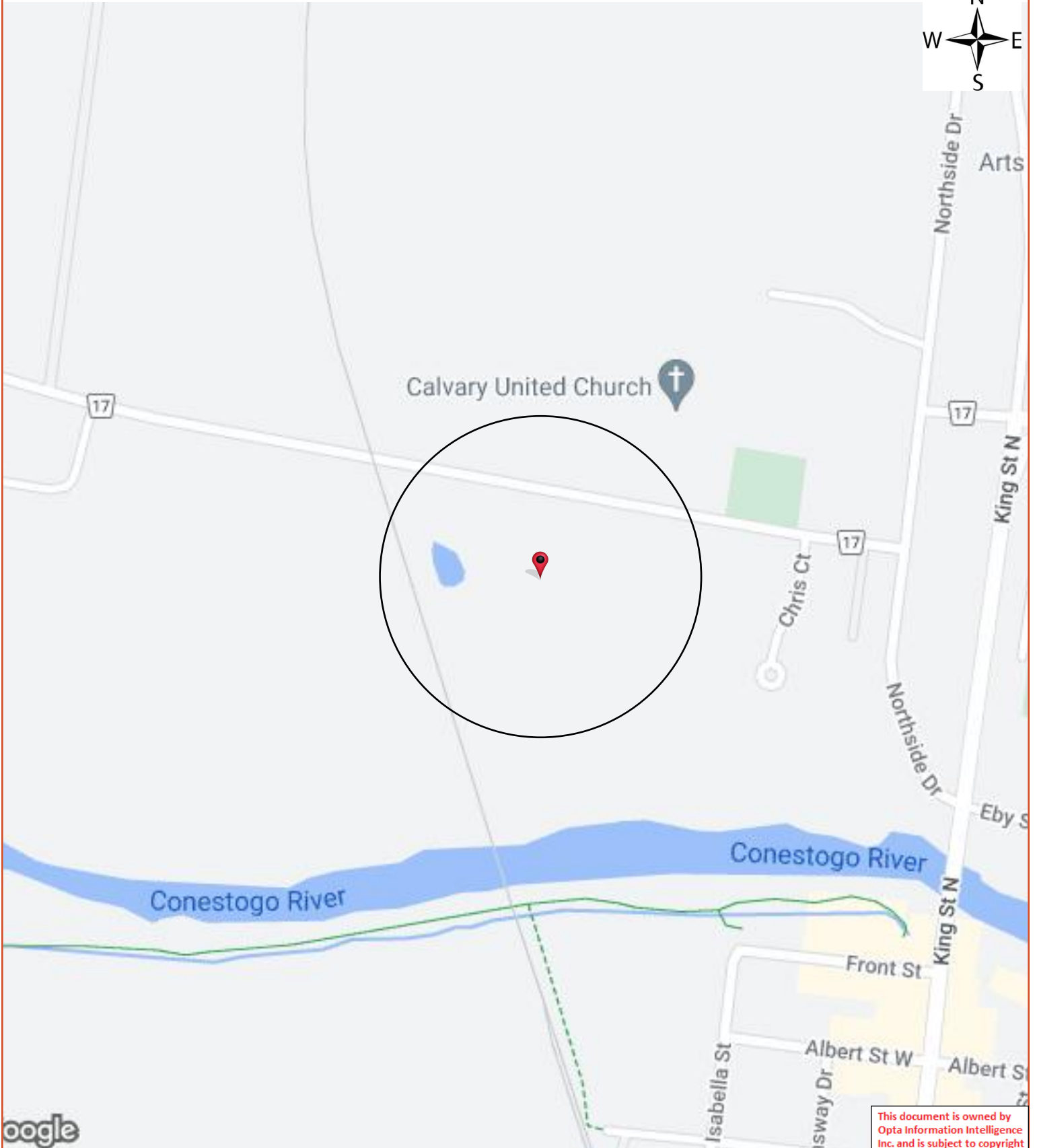
Search Area: 51 Hawkesville Road, St. Jacobs, ON

Requested by:
Eleanor Goolab

Date Completed: 11/28/2023 21:41:10



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

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Entire Agreement

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

Governing Document

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

Law

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

Page: 4
Project Name: 51 Hawkesville
Road

Project #: 23112100497
P.O. #: 623088.CE

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab

Date Completed: 11/28/2023 21:41:10



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From: [Public Information Services](#)
To: [Tiffany Clemmens](#)
Subject: RE: Information Request
Date: November 21, 2023 3:25:34 PM
Attachments: [image001.png](#)

Effective June 1, 2023, TSSA will no longer accept mailed in applications with payment by cheque, money order or bank draft and due to higher than usual volume, the average wait time for public information requests is 15-30 days.

NO 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 no records in our database of any **fuel storage tanks** at the subject address(es).

For copies of documents, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site. Please note for the fuel program, this is not a confirmation that there are no records in the archives.

Please follow the steps below to access the applications and the Service Prepayment Portal.

Accessing the applications

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

Accessing the Service Prepayment Portal

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

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

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

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

Warm regards,
Nicola

From: Tiffany Clemmens <tclemmens@premiercorp.ca>
Sent: Tuesday, November 21, 2023 2:05 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Information Request

[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.

Good afternoon,

We are conducting an assessment of a property and request your input:

The municipal address of interest is:

51 Hawkesville Road, St. Jacobs, ON

We are interested in any documentation including current or previously registered fuel tanks on or near the property.

Thank you,



Tiffany Clemmens
Office Administrator

244 Montrose Street North, Unit 1 Upper
Cambridge, ON N3H 2H7
Direct: 519.653.7140 ext. 273
www.premiercorp.ca

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Ministry of the Environment,
Conservation and Parks

Emergency Management and
Access Branch

40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction de la gestion des situations
d'urgence et de l'accès à l'information

40, avenue St. Clair ouest
Toronto ON M4V 1M2



December 18, 2023

Tiffany Clemmens
Premier Environmental Services Inc.
244 Montrose Street North, Unit 1 Upper
Cambridge, Ontario N3H 2H7
tclemmens@premiercorp.ca

Dear Tiffany Clemmens:

RE: MECP FOI A-2023-06932, Your Reference 623088.CE – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 51 Hawkesville Road, St. Jacobs.

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Rose D'Souza at 416-276-6548 or Rose.D'Souza7@ontario.ca.

Yours truly,

Rose D'Souza

for

Josephine DeSouza
Manager (A), Access and Privacy Office

From: [Chris Foster-Pengelly](#)
To: [Tiffany Clemmens](#)
Subject: 51 Hawkesville Road, Woolwich
Date: February 9, 2024 2:43:14 PM
Attachments: [51-55 Hawkesville Rd-grca map.pdf](#)

Hi Tiffany,

Your request for background information with regards to 51 Hawkesville Road was passed to me. The Grand River Conservation Authority has the following background information:

Information currently available at this office indicates that the subject property contains the following features regulated by the GRCA (please see attached map):

- Conestogo River
- Floodplain associated with the Conestogo river
- Tributary (watercourse) to the Conestogo River
- Erosion hazards (Steep slopes)
- Wetland
- The regulated allowances to the features identified above

The Subject Site is immediately adjacent to the Conestogo River. The Conestogo River is identified by the MNRF as a WARM water system with a diverse fish community which includes top predators smallmouth bass, northern pike, and walleye.

The DFO SAR mapping identifies regulated Critical Habitat for Black Redhorse (*Moxostoma duquesnei*) as well as Silver Shiner (*Notropis photogenis*), both species ranked as Threatened. The DFO SAR mapping also identifies this reach of the Conestogo River as supporting rainbow mussel (*Villosa iris*) ranked as Special Concern and Wavy-rayed Lampmussel (*Lampsilis Fasciola*) ranked Special Concern federally but Threatened under the Ontario Endangered Species Act.

An unnamed tributary of the Conestogo River flows along the west side of the Subject Site with its flow originating from systematic field tile north of the site.

Unevaluated wetlands are located on and adjacent to the Subject Site. The small regulated wetland feature (approximately 0.35ha/0.87Ac) located adjacent to the existing building was field verified by MNR staff in 2011.

There are no active GRCA Permits and the GRCA is not aware of or investigating any known violations of Ontario Regulation 150/06 on this property.

Thank you,
Chris

Chris Foster-Pengelly, M.Sc.

Resource Planner

Grand River Conservation Authority

400 Clyde Road, PO Box 729

Cambridge, ON N1R 5W6

Office: 519-621-2763 ext. 2319

Toll-free: 1-866-900-4722

Email: cfosterpengelly@grandriver.ca

www.grandriver.ca | [Connect with us on social media](#)



Grand River Conservation Authority

Date: Jul 17, 2023

Author: CFP

51 and 55 Hawkesville Road,
Woolwich

Legend

- Regulation Limit (GRCA)
- Regulated Watercourse (GRCA)
- Regulated Waterbody (GRCA)
- Wetland (GRCA)
- Floodplain (GRCA)
 - Engineered
 - Estimated
 - Approximate
 - Special Policy Area
- Slope Valley (GRCA)
 - Steep
 - Oversteep
 - Steep
- Slope Erosion (GRCA)
 - Oversteep
 - Toe
- Lake Erie Flood (GRCA)
- Lake Erie Shoreline Reach (GRCA)
- Lake Erie Dynamic Beach (GRCA)
- Lake Erie Erosion (GRCA)
- Parcel - Assessment (MPAC/MNRF)

This legend is static and may not fully reflect the layers shown on the map. The text of Ontario Regulation 150/06 supercedes the mapping as represented by these layers.

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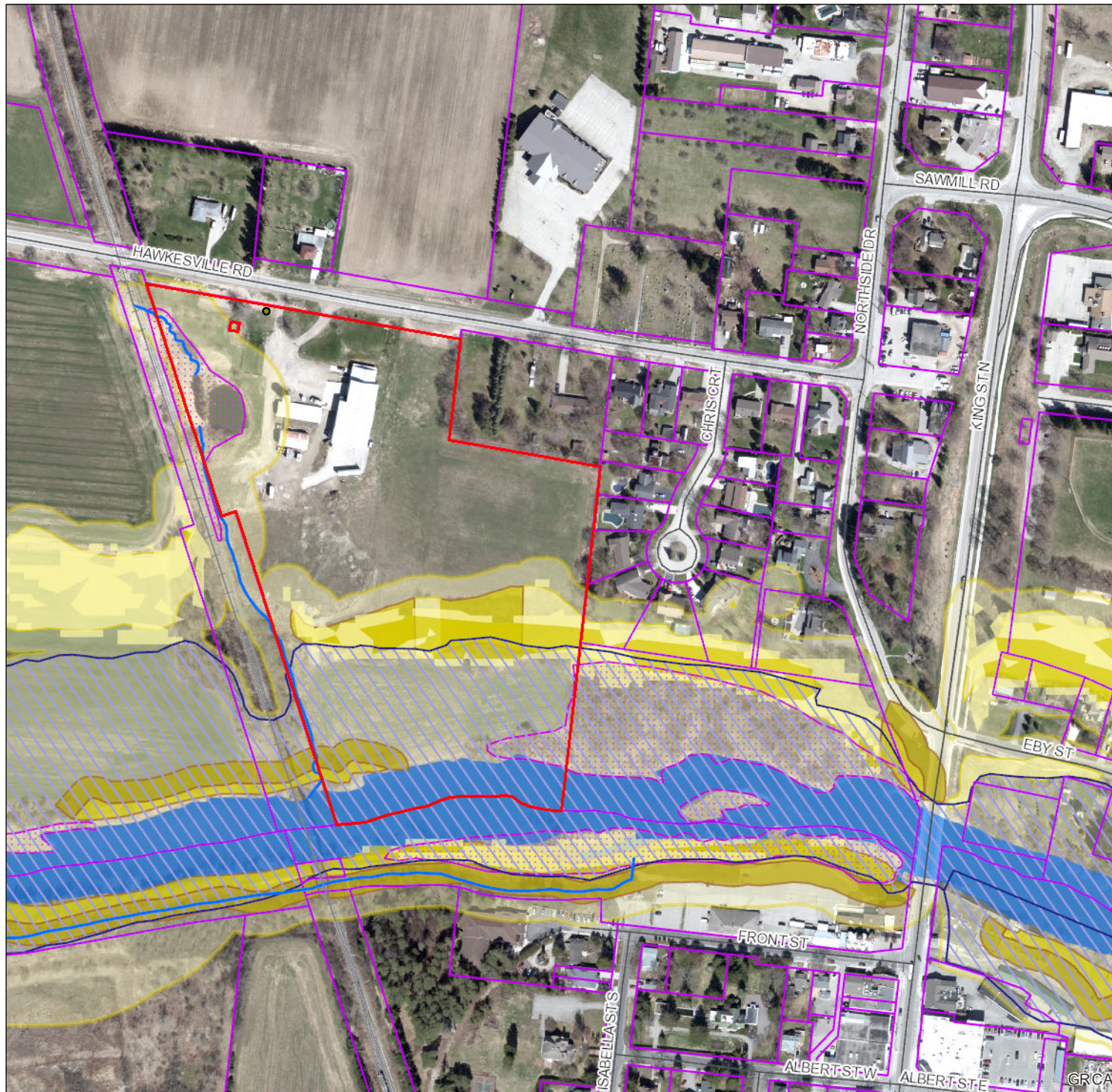
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The source for each data layer is shown in parentheses in the map legend. For a complete listing of sources and citations go to: <https://maps.grandriver.ca/Sources-and-Citations.pdf>

0 20 40 60 80 100 120 Metres

NAD 1983 UTM Zone 17N

Scale: 3,906



Map Centre (UTM NAD83 z17): 535,838.51 4,821,213.57

This map is not to be used for navigation | 2020 Ortho (ON)



DATABASE REPORT

Project Property:	<i>51 Hawkesville Road 51 Hawkesville Road St. Jacobs ON N0B 2N0</i>
Project No:	
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>23111600161</i>
Requested by:	<i>Premier Environmental Services Inc.</i>
Date Completed:	<i>November 23, 2023</i>

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Executive Summary

Property Information:

Project Property: 51 Hawkesville Road
51 Hawkesville Road St. Jacobs ON N0B 2N0

Project No:

Order Information:

Order No: 23111600161
Date Requested: November 16, 2023
Requested by: Premier Environmental Services Inc.
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
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	2	2
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	4	5
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	2	2
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	2	2
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	9	9
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	38	39

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
		Total:	2	60	62

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>
<u>1</u>	WWIS		51 Hawkesville Road lot 37 St. Jacobs ON <i>Well ID:</i> 7398389	SE/0.0	-1.61	<u>23</u>
<u>2</u>	EHS		51 Hawkesville Road St. Jacobs ON N0B 2N0	N/0.0	0.83	<u>27</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	WWIS		lot 36 ON Well ID: 7398950	E/8.6	2.80	27
4	WWIS		Hawkesville Rd Waterloo ON Well ID: 7359804	NW/25.4	1.51	28
5	SCT	Manutech Inc.	7 Chris Crt St. Jacobs ON	E/41.1	-0.44	29
5	SCT	Manutech Inc.	7 Chris Crt St Jacobs ON N0B 2N0	E/41.1	-0.44	29
6	WWIS		lot 37 ON Well ID: 6503243	NW/52.1	3.08	30
7	WWIS		lot 37 ON Well ID: 6502668	E/58.3	5.62	33
8	WWIS		33 FRONT ST lot 8 S. JACOBS ON Well ID: 7326215	SSE/99.8	-16.25	36
9	WWIS		33 FRON STREET lot 8 ST. JACOBS ON Well ID: 7295549	SE/109.3	-16.25	39
10	WWIS		10 FRONT STREET ST JACOBS ON Well ID: 7200624	SE/115.7	-16.25	42
11	WWIS		33 FRONT STREET lot 8 ST. JACOBS ON Well ID: 7295547	SE/115.8	-16.25	45
12	EHS		33 Front St St Jacobs ON	SE/119.1	-16.25	48
13	GEN	AMEC Foster Wheeler	33 Front Street St. Jacobs ON N0B 2N0	SSE/119.2	-13.17	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	ECA	Sprucelawn Apartments For Seniors Incorporated	33 Front St St. Jacobs Woolwich ON N0B 2N0	SSE/119.2	-13.17	48
14	WWIS		10 FRONT STREET ST JACOBS ON <i>Well ID: 7200626</i>	SE/121.0	-17.31	48
15	RSC	SPRUCELAWN APARTMENTS FOR SENIORS INCORPORATED	2 ISABELLA STREET SOUTH, ST. JACOBS, ON N0B 2N0, 33 FRONT STREET WEST, ST. JACBOBS, ON N0B 2N0 Woolwich ON	SE/122.1	-16.25	52
16	WWIS		33 FRONT STREET lot 8 ST. JACOBS ON <i>Well ID: 7295548</i>	SE/122.6	-16.25	53
17	WWIS		33 FRONT ST lot 8 ST. JACOBS ON <i>Well ID: 7326218</i>	SSE/126.5	-13.17	56
18	EHS		2 Isabella St Woolwich ON N0B2N0	SE/126.7	-13.17	58
19	WWIS		10 FRONT STREET ST. JACOBS ON <i>Well ID: 6510456</i>	ESE/130.3	-16.98	59
20	EHS		10 Front St Woolwich ON	SE/137.4	-14.43	62
21	PES	CALVARY UNITED CHURCH	PO BOX 189, 48 HAWKEWVILLE ST. JACOBS ON N0B2N0	NE/142.9	6.86	62
21	PES	CALVARY UNITED CHURCH	PO BOX 189, 48 HAWKEWVILLE ST. JACOBS ON N0B2N0	NE/142.9	6.86	63
21	ECA	The Corporation of the Township of Woolwich	20 & 48 Hawkesville Rd Woolwich ON N3B 2Z6	NE/142.9	6.86	63
22	WWIS		FRONT STREET ST JACBOS ON <i>Well ID: 7200625</i>	SE/148.3	-13.77	64

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>23</u>	WWIS		con -00 ON Well ID: 7352545	SSE/154.7	-11.84	<u>67</u>
<u>24</u>	BORE		ON	E/156.8	4.22	<u>68</u>
<u>25</u>	WWIS		1430 KIN G STREET NORTH ST. JACOBS ON Well ID: 7287100	SE/166.4	-10.73	<u>70</u>
<u>26</u>	WWIS		10 FRONT ST. ST. JACOBS ON Well ID: 7218494	ESE/168.8	-18.21	<u>73</u>
<u>27</u>	WWIS		10 FRONT ST./1441 KING ST. N ST. JACOBS ON Well ID: 7240084	ESE/169.1	-18.21	<u>76</u>
<u>28</u>	WWIS		Hawksville Rd Waterloo ON Well ID: 7359803	ENE/169.2	4.36	<u>80</u>
<u>29</u>	WWIS		16 ISABELLA ST lot 8 ST. JACOBS ON Well ID: 7191642	SSE/170.2	-11.06	<u>82</u>
<u>30</u>	WWIS		1441 KING ST N lot 8 ST JACOBS ON Well ID: 7274024	ESE/170.6	-14.99	<u>85</u>
<u>31</u>	WWIS		16 ISABELLA STREETR SOUTH ST. JACOBS ON Well ID: 7297081	SSE/171.6	-11.81	<u>87</u>
<u>32</u>	WWIS		lot 36 ON Well ID: 7328146	ENE/184.6	3.83	<u>91</u>
<u>33</u>	WWIS		Hawksville Rd Waterloo ON Well ID: 7359802	ENE/190.8	3.92	<u>92</u>
<u>34</u>	WWIS		10 FRONT ST. lot 8 ST. JACOBS ON Well ID: 7103286	SE/190.9	-14.99	<u>93</u>
<u>35</u>	WWIS		1441 KING ST N lot 7 ST JACOBS ON Well ID: 7274016	ESE/199.1	-15.75	<u>107</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>36</u>	GEN	JAKOBSTETTEL GUEST HOUSE INC. 22-407	16 ISABELLA ST. ST. JACOBS ON N0B 2N0	SSE/199.4	-9.53	<u>109</u>
<u>36</u>	EHS		16 Isabella St Woolwich ON N0B2N0	SSE/199.4	-9.53	<u>109</u>
<u>37</u>	WWIS		lot 8 ON Well ID: 6502600	ESE/201.8	-19.16	<u>110</u>
<u>38</u>	WWIS		Northside Dr Waterloo ON Well ID: 7359801	ENE/202.7	2.77	<u>113</u>
<u>39</u>	WWIS		lot 36 ON Well ID: 6502664	E/206.9	1.32	<u>114</u>
<u>40</u>	SCT	St Jacobs Meat Market	33 Northside Dr St Jacobs ON N0B 2N0	E/213.1	1.80	<u>120</u>
<u>41</u>	WWIS		1441 KING ST. N ST. JACOBS ON Well ID: 7218492	ESE/220.5	-17.97	<u>121</u>
<u>42</u>	WWIS		33 Front St lot 8 St Jacobs ON Well ID: 7418809	SE/222.8	-12.78	<u>124</u>
<u>42</u>	WWIS		33 Front St lot 8 St Jacobs ON Well ID: 7418810	SE/222.8	-12.78	<u>126</u>
<u>42</u>	WWIS		33 Front St lot 8 St Jacobs ON Well ID: 7418811	SE/222.8	-12.78	<u>129</u>
<u>42</u>	WWIS		33 Front St lot 8 St Jacobs ON Well ID: 7418812	SE/222.8	-12.78	<u>131</u>
<u>42</u>	WWIS		33 Front St lot 8 St Jacobs ON Well ID: 7418813	SE/222.8	-12.78	<u>133</u>
<u>43</u>	WWIS		16 ISABELLE STREET SOUTH lot 8 ST. JOACHIM ON Well ID: 7297080	S/224.5	-9.20	<u>135</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
44	WWIS		lot 8 ON Well ID: 6502606	SE/229.8	-8.44	138
45	WWIS		47 NORTHSIDE RD ST. JACOBS ON Well ID: 7142358	ENE/238.9	2.05	141
46	BORE		ON	ESE/240.2	-15.39	148
47	WWIS		lot 36 ON Well ID: 6502665	E/240.2	1.83	150
48	SCT	THE GLASS BEAD GAME	1441 King N St. Jacobs ON N0B 2N0	ESE/245.7	-18.54	155
48	SCT	Brittles 'n More - Div. of St. Jacobs Candy Company Ltd.	1441 King St N St. Jacobs ON	ESE/245.7	-18.54	155
48	SCT	The Glass Bead Game	1441 King St N St. Jacobs ON	ESE/245.7	-18.54	155
48	SCT	Brittles 'n More - Div. of St. Jacobs Candy Company Ltd.	1441 King St N St. Jacobs ON	ESE/245.7	-18.54	156
48	SCT	Brittles 'n More	1441 King St N St Jacobs ON N0B 2N0	ESE/245.7	-18.54	156
48	SCT	The Glass Bead Game	1441 King St N St Jacobs ON N0B 2N0	ESE/245.7	-18.54	156

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	156.8	<u>24</u>
	ON	240.2	<u>46</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Sep 30, 2023 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Sprucelawn Apartments For Seniors Incorporated	33 Front St St. Jacobs Woolwich ON N0B 2N0	119.2	<u>13</u>
The Corporation of the Township of Woolwich	20 & 48 Hawkesville Rd Woolwich ON N3B 2Z6	142.9	<u>21</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Sep 30, 2023 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	51 Hawkesville Road St. Jacobs ON N0B 2N0	0.0	<u>2</u>
	33 Front St St Jacobs ON	119.1	<u>12</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2 Isabella St Woolwich ON N0B2N0	126.7	18
	10 Front St Woolwich ON	137.4	20
	16 Isabella St Woolwich ON N0B2N0	199.4	36

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
AMEC Foster Wheeler	33 Front Street St. Jacobs ON N0B 2N0	119.2	13
JAKOBSTETTEL GUEST HOUSE INC. 22-407	16 ISABELLA ST. ST. JACOBS ON N0B 2N0	199.4	36

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Sep 30, 2023 has found that there are 2 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CALVARY UNITED CHURCH	PO BOX 189, 48 HAWKEWILLE ST. JACOBS ON N0B2N0	142.9	21
CALVARY UNITED CHURCH	PO BOX 189, 48 HAWKEWILLE ST. JACOBS ON N0B2N0	142.9	21

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sep 2001, Oct 2004-Sep 2023 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SPRUCELAWN APARTMENTS FOR SENIORS INCORPORATED	2 ISABELLA STREET SOUTH, ST. JACOBS, ON N0B 2N0, 33 FRONT STREET WEST, ST. JACBOBS, ON N0B 2N0 Woolwich ON	122.1	<u>15</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 9 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Manutech Inc.	7 Chris Crt St Jacobs ON N0B 2N0	41.1	<u>5</u>
Manutech Inc.	7 Chris Crt St. Jacobs ON	41.1	<u>5</u>
St Jacobs Meat Market	33 Northside Dr St Jacobs ON N0B 2N0	213.1	<u>40</u>
Brittles 'n More	1441 King St N St Jacobs ON N0B 2N0	245.7	<u>48</u>
The Glass Bead Game	1441 King St N St Jacobs ON N0B 2N0	245.7	<u>48</u>
Brittles 'n More - Div. of St. Jacobs Candy Company Ltd.	1441 King St N St. Jacobs ON	245.7	<u>48</u>
The Glass Bead Game	1441 King St N St. Jacobs ON	245.7	<u>48</u>
Brittles 'n More - Div. of St. Jacobs Candy Company Ltd.	1441 King St N St. Jacobs ON	245.7	<u>48</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
THE GLASS BEAD GAME	1441 King N St. Jacobs ON N0B 2N0	245.7	<u>48</u>

WWIS - Water Well Information System

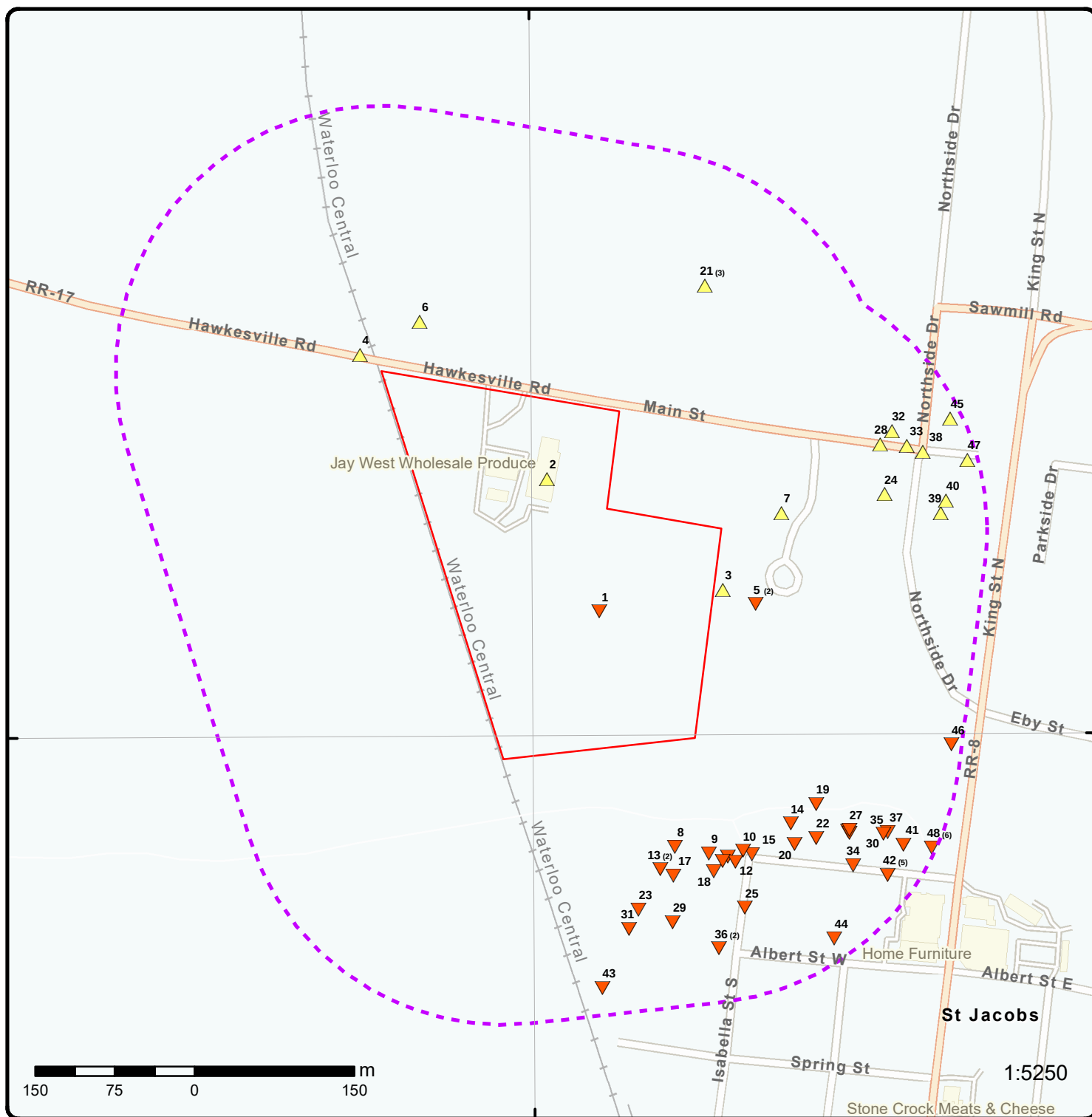
A search of the WWIS database, dated Mar 31 2023 has found that there are 39 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	51 Hawkesville Road lot 37 St. Jacobs ON <i>Well ID: 7398389</i>	0.0	<u>1</u>
	lot 36 ON <i>Well ID: 7398950</i>	8.6	<u>3</u>
	Hawkesville Rd Waterloo ON <i>Well ID: 7359804</i>	25.4	<u>4</u>
	lot 37 ON <i>Well ID: 6503243</i>	52.1	<u>6</u>
	lot 37 ON <i>Well ID: 6502668</i>	58.3	<u>7</u>
	33 FRONT ST lot 8 S. JACOBS ON <i>Well ID: 7326215</i>	99.8	<u>8</u>
	33 FRON STREET lot 8 ST. JACOBS ON <i>Well ID: 7295549</i>	109.3	<u>9</u>
	10 FRONT STREET ST JACOBS ON <i>Well ID: 7200624</i>	115.7	<u>10</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	33 FRONT STREET lot 8 ST. JACOBS ON <i>Well ID: 7295547</i>	115.8	<u>11</u>
	10 FRONT STREET ST JACOBS ON <i>Well ID: 7200626</i>	121.0	<u>14</u>
	33 FRONT STREET lot 8 ST. JACOBS ON <i>Well ID: 7295548</i>	122.6	<u>16</u>
	33 FRONT ST lot 8 ST. JACOBS ON <i>Well ID: 7326218</i>	126.5	<u>17</u>
	10 FRONT STREET ST. JACOBS ON <i>Well ID: 6510456</i>	130.3	<u>19</u>
	FRONT STREET ST JACBOS ON <i>Well ID: 7200625</i>	148.3	<u>22</u>
	con -00 ON <i>Well ID: 7352545</i>	154.7	<u>23</u>
	1430 KIN G STREET NORTH ST. JACOBS ON <i>Well ID: 7287100</i>	166.4	<u>25</u>
	10 FRONT ST. ST. JACOBS ON <i>Well ID: 7218494</i>	168.8	<u>26</u>
	10 FRONT ST./1441 KING ST. N ST. JACOBS ON <i>Well ID: 7240084</i>	169.1	<u>27</u>
	Hawksville Rd Waterloo ON <i>Well ID: 7359803</i>	169.2	<u>28</u>
	16 ISABELLA ST lot 8 ST. JACOBS ON	170.2	<u>29</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Well ID: 7191642		
	1441 KING ST N lot 8 ST JACOBS ON	170.6	<u>30</u>
	Well ID: 7274024		
	16 ISABELLA STREETR SOUTH ST. JACOBS ON	171.6	<u>31</u>
	Well ID: 7297081		
	lot 36 ON	184.6	<u>32</u>
	Well ID: 7328146		
	Hawksville Rd Waterloo ON	190.8	<u>33</u>
	Well ID: 7359802		
	10 FRONT ST. lot 8 ST. JACOBS ON	190.9	<u>34</u>
	Well ID: 7103286		
	1441 KING ST N lot 7 ST JACOBS ON	199.1	<u>35</u>
	Well ID: 7274016		
	lot 8 ON	201.8	<u>37</u>
	Well ID: 6502600		
	Northside Dr Waterloo ON	202.7	<u>38</u>
	Well ID: 7359801		
	lot 36 ON	206.9	<u>39</u>
	Well ID: 6502664		
	1441 KING ST. N ST. JACOBS ON	220.5	<u>41</u>
	Well ID: 7218492		
	33 Front St lot 8 St Jacobs ON	222.8	<u>42</u>
	Well ID: 7418809		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	33 Front St lot 8 St Jacobs ON <i>Well ID: 7418810</i>	222.8	<u>42</u>
	33 Front St lot 8 St Jacobs ON <i>Well ID: 7418811</i>	222.8	<u>42</u>
	33 Front St lot 8 St Jacobs ON <i>Well ID: 7418812</i>	222.8	<u>42</u>
	33 Front St lot 8 St Jacobs ON <i>Well ID: 7418813</i>	222.8	<u>42</u>
	16 ISABELLE STREET SOUTH lot 8 ST. JOACHIM ON <i>Well ID: 7297080</i>	224.5	<u>43</u>
	lot 8 ON <i>Well ID: 6502606</i>	229.8	<u>44</u>
	47 NORTHSIDE RD ST. JACOBS ON <i>Well ID: 7142358</i>	238.9	<u>45</u>
	lot 36 ON <i>Well ID: 6502665</i>	240.2	<u>47</u>



Map: 0.25 Kilometer Radius

Order Number: 23111600161

Address: 51 Hawkesville Road, St. Jacobs, 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	Parkt (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

80°33'W

43°33'N

43°33'N



Aerial

Year: 2022

Order Number: 23111600161

Address: 51 Hawkesville Road, St. Jacobs, ON



Source: ESRI World Imagery

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80°34'30"W

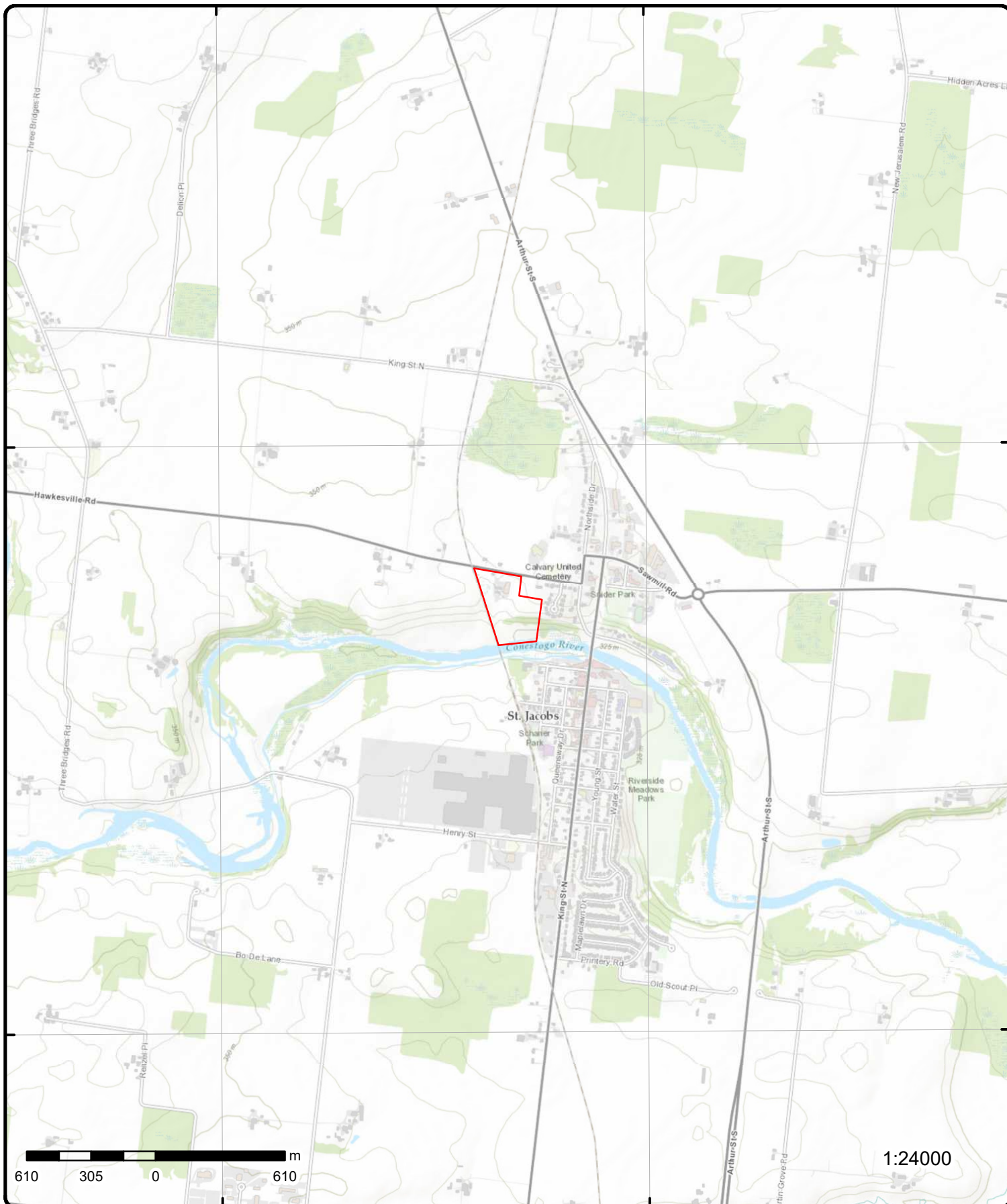
80°33'W

43°33'N

43°33'N

43°31'30"N

43°31'30"N



Topographic Map

Order Number: 23111600161

Address: 51 Hawkesville Road, ON

Source: ESRI World Topographic Map



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SE/0.0	341.4 / -1.61	51 Hawkesville Road lot 37 St. Jacobs ON	WWIS
Well ID: 7398389 Construction Date: Use 1st: Monitoring Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: 6VPXWL8Q Tag: A333477 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 09/21/2021 Selected Flag: TRUE Abandonment Rec: Contractor: 7747 Form Version: 9 Owner: County: WATERLOO Lot: 037 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1008789681 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 07/27/2021 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Elevation: Elevrc: Zone: 17 East83: 535743.00 North83: 4821180.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: 1008789988 Layer: 2 Color: 6 General Color: BROWN Mat1: 05 Most Common Material: CLAY Mat2: 06 Mat2 Desc: SILT					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		0.6600000262260437			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008789990			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		34			
Mat2 Desc:		TILL			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		35.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008789989			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		34			
Mat2 Desc:		TILL			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		12.0			
Formation End Depth:		35.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008789987			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		0.0			
Formation End Depth:		0.6600000262260437			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008790267			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		0.0			
Plug To:		0.5			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008790268			
Layer:		2			
Plug From:		0.5			
Plug To:		38.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008790269			
Layer:		3			
Plug From:		38.0			
Plug To:		50.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008790181			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1008789846			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1008789798			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1008790050			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-3.0			
Depth To:		40.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		1008790051			
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:		1008790095			
Layer:		1			
Slot:		010			
Screen Top Depth:		40.0			
Screen End Depth:		50.0			
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:		1008789799			
Pump Set At:					
Static Level:		35.0			
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:		1008789913			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		35.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1008790129			
Diameter:		8.5			
Depth From:		0.0			
Depth To:		50.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
 <u>Links</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID: 1008789681 Depth M: 15.24 Year Completed: 2021 Well Completed Dt: 07/27/2021 Audit No: 6VPXWL8Q Path: 739\7398389.pdf Tag No: A333477 Contractor: 7747 Latitude: 43.542712179889 Longitude: -80.5575669174748 Y: 43.54271217955902 X: -80.55756676817477					
2	1 of 1	N/0.0	343.9 / 0.83	51 Hawkesville Road St. Jacobs ON N0B 2N0	EHS
Order No: 23082900191 Status: C Report Type: Standard Report Report Date: 01-SEP-23 Date Received: 29-AUG-23 Previous Site Name: Lot/Building Size: Additional Info Ordered: Aerial Photos Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -80.5581676 Y: 43.543841					
3	1 of 1	E/8.6	345.8 / 2.80	lot 36 ON	WWIS
Well ID: 7398950 Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Z362851 Tag: A310472 Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Yes Data Src: Date Received: 09/23/2021 Selected Flag: TRUE Abandonment Rec: Contractor: 7221 Form Version: 7 Owner: County: WATERLOO Lot: 036 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1008801769 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 09/13/2021 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Elevation: Elevrc: Zone: 17 East83: 535859.00 North83: 4821201.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Links</u>					
Bore Hole ID:	1008801769			Tag No:	A310472
Depth M:				Contractor:	7221
Year Completed:	2021			Latitude:	43.542895697872
Well Completed Dt:	09/13/2021			Longitude:	-80.5561297043388
Audit No:	Z362851			Y:	43.542895697065816
Path:				X:	-80.55612955578614
4	1 of 1	NW/25.4	344.5 / 1.51	Hawkesville Rd Waterloo ON	WWIS
Well ID:	7359804			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	06/03/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z328863			Contractor:	7610
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	03/20/2020				
Year Completed:	2020				
Depth (m):					
Latitude:	43.5449018828037				
Longitude:	-80.5603360903572				
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1008302374			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535518.00
Code OB Desc:				North83:	4821422.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	03/20/2020			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008418901			
Layer:		1			
Plug From:		0.0			
Plug To:		15.0			
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1008418142			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008419904			
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>Links</u>					
Bore Hole ID:	1008302374			Tag No:	
Depth M:				Contractor:	7610
Year Completed:	2020			Latitude:	43.5449018828037
Well Completed Dt:	03/20/2020			Longitude:	-80.5603360903572
Audit No:	Z328863			Y:	43.54490188199184
Path:	735\7359804.pdf			X:	-80.5603359416428
<u>5</u>	1 of 2	E/41.1	342.6 / -0.44	Manutech Inc. 7 Chris Crt St. Jacobs ON	SCT
Established:		1986			
Plant Size (ft²):					
Employment:		3			
<u>5</u>	2 of 2	E/41.1	342.6 / -0.44	Manutech Inc. 7 Chris Crt St Jacobs ON N0B 2N0	SCT
Established:		01-AUG-86			
Plant Size (ft²):		1200			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Employment:					
--Details--					
Description:		Other Metalworking Machinery Manufacturing			
SIC/NAICS Code:		333519			
6	1 of 1	NW/52.1	346.1 / 3.08	lot 37 ON	WWIS
Well ID:		6503243		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Domestic		Data Entry Status:	
Use 2nd:		0		Data Src:	
Final Well Status:		Water Supply		Date Received:	
Water Type:				Selected Flag:	
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	
Tag:				Form Version:	
Constructn Method:				Owner:	
Elevation (m):				County:	
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:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6503243.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		06/04/1970			
Year Completed:		1970			
Depth (m):		45.72			
Latitude:		43.5451783331605			
Longitude:		-80.5596396379852			
Path:		650\6503243.pdf			
Bore Hole Information					
Bore Hole ID:		10454691		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		06/04/1970		UTMRC Desc:	
Remarks:				Location Method:	
Loc Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		932562276			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932562278			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		14			
Mat2 Desc:		HARDPAN			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50.0			
Formation End Depth:		150.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932562277			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		40.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		966503243			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11003261			
Casing No:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Comment: Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930738556			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		160.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		996503243			
Pump Set At:					
Static Level:		40.0			
Final Level After Pumping:		90.0			
Recommended Pump Depth:		90.0			
Pumping Rate:		10.0			
Flowing Rate:					
Recommended Pump Rate:		10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		7			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934335665			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		40.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933941726			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		150.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:	10454691		Tag No:		
Depth M:	45.72		Contractor:	3518	
Year Completed:	1970		Latitude:	43.5451783331605	
Well Completed Dt:	06/04/1970		Longitude:	-80.5596396379852	
Audit No:			Y:	43.54517833218839	
Path:	650\6503243.pdf		X:	-80.55963948967626	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 1	E/58.3	348.6 / 5.62	lot 37 ON	WWIS
Well ID:6502668 Construction Date: Use 1st:Livestock Use 2nd:Domestic Final Well Status:Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality:WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src:1 Date Received:05/27/1950 Selected Flag:TRUE Abandonment Rec: Contractor:4725 Form Version:1 Owner: County:WATERLOO Lot:037 Concession: Concession Name:GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6502668.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/23/1949			
Year Completed:		1949			
Depth (m):		52.4256			
Latitude:		43.5435413332285			
Longitude:		-80.5554429213192			
Path:		650\6502668.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10454117		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		12/23/1949		UTMRC Desc:	
Remarks:				Location Method:	
Loc Method Desc:		Original Pre1985 UTM Rel Code 9: unknown UTM			
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:		932559010			
Layer:		4			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		148.0			
Formation End Depth:		164.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932559007			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932559008			
Layer:		2			
Color:		5			
General Color:		YELLOW			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2.0			
Formation End Depth:		14.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932559009			
Layer:		3			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		14.0			
Formation End Depth:		148.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932559011			
Layer:		5			
Color:					
General Color:					
Mat1:		26			
Most Common Material:		ROCK			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		164.0			
Formation End Depth:		172.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966502668			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11002687			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930737791			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		172.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930737790			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		164.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		996502668			
Pump Set At:					
Static Level:		46.0			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:		16.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 10 Pumping Duration MIN: 0 Flowing: No					
Water Details					
Water ID: 933941094 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 172.0 Water Found Depth UOM: ft					
Links					
Bore Hole ID: 10454117 Depth M: 52.4256 Year Completed: 1949 Well Completed Dt: 12/23/1949 Audit No: Path: 650\6502668.pdf					
Tag No: Contractor: 4725 Latitude: 43.5435413332285 Longitude: -80.5554429213192 Y: 43.54354133247469 X: -80.55544277235043					
8	1 of 1	SSE/99.8	326.8 / -16.25	33 FRONT ST lot 8 S. JACOBS ON	WWIS
Well ID: 7326215 Construction Date: Use 1st: Monitoring Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z304210 Tag: A262316 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 01/11/2019 Selected Flag: TRUE Abandonment Rec: Contractor: 7366 Form Version: 7 Owner: County: WATERLOO Lot: 008 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):					
Additional Detail(s) (Map)					
Well Completed Date: 11/27/2018 Year Completed: 2018 Depth (m): 6 Latitude: 43.5407188995493 Longitude: -80.5567026731331					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1007352957			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535814.00
Code OB Desc:				North83:	4820959.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	11/27/2018			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1007518263				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	01				
Most Common Material:	FILL				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	3.0				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1007518264				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	06				
Mat2 Desc:	SILT				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	3.0				
Formation End Depth:	3.5999999046325684				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1007518265				
Layer:	3				
Color:	6				
General Color:	BROWN				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3.5999999046325684			
Formation End Depth:		6.0			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007518273			
Layer:		2			
Plug From:		2.4000000953674316			
Plug To:		6.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007518272			
Layer:		1			
Plug From:		0.0			
Plug To:		2.4000000953674316			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1007518271			
Method Construction Code:		9			
Method Construction:		Driving			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007518262			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007518268			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		3.0			
Casing Diameter:		3.799999952316284			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1007518269			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth:		6.0			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.0			
<u>Water Details</u>					
Water ID:		1007518267			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1007518266			
Diameter:		10.0			
Depth From:		0.0			
Depth To:		6.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1007352957			Tag No:	A262316
Depth M:	6			Contractor:	7366
Year Completed:	2018			Latitude:	43.5407188995493
Well Completed Dt:	11/27/2018			Longitude:	-80.5567026731331
Audit No:	Z304210			Y:	43.540718899192846
Path:	732\7326215.pdf			X:	-80.55670252464702

9	1 of 1	SE/109.3	326.8 / -16.25	33 FRON STREET lot 8 ST. JACOBS ON	WWIS
Well ID:	7295549			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/29/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z259792			Contractor:	7282
Tag:	A219107			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliabilty:				Lot:	008
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	WOOLWICH TOWNSHIP				
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	04/24/2017				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year Completed:		2017			
Depth (m):		7.3152			
Latitude:		43.5406633393834			
Longitude:		-80.556306992466			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006735660			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535846.00
Code OB Desc:				North83:	4820953.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	04/24/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006875113				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	8.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006875114				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:	34				
Mat3 Desc:	TILL				
Formation Top Depth:	8.0				
Formation End Depth:	24.0				
Formation End 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:		1006875121			
Layer:		1			
Plug From:		0.0			
Plug To:		13.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006875120			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006875112			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006875117			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		14.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006875118			
Layer:		1			
Slot:		10			
Screen Top Depth:		14.0			
Screen End Depth:		24.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.299999952316284			
<u>Water Details</u>					
Water ID:		1006875116			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006875115			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		24.0			
Hole Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole Diameter UOM:		inch			
<u>Links</u>					
Bore Hole ID:	1006735660			Tag No:	A219107
Depth M:	7.3152			Contractor:	7282
Year Completed:	2017			Latitude:	43.5406633393834
Well Completed Dt:	04/24/2017			Longitude:	-80.556306992466
Audit No:	Z259792			Y:	43.54066333828746
Path:	729\7295549.pdf			X:	-80.556306843844

10	1 of 1	SE/115.7	326.8 / -16.25	10 FRONT STREET ST JACOBS ON	WWIS
Well ID:	7200624			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Test Hole			Date Received:	04/23/2013
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z166458			Contractor:	7320
Tag:	A144477			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:	WOOLWICH TOWNSHIP				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 03/28/2013
Year Completed: 2013
Depth (m): 11.5
Latitude: 43.5406798095734
Longitude: -80.5559107838336
Path:

Bore Hole Information

Bore Hole ID:	1004276727	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	535878.00
Code OB Desc:		North83:	4820955.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	03/28/2013	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838168			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		0.0			
Formation End Depth:		4.599999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838169			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		34			
Mat2 Desc:		TILL			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		4.599999904632568			
Formation End Depth:		7.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838170			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		7.099999904632568			
Formation End Depth:		11.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838178			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		7.800000190734863			
Plug Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838177			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838179			
Layer:		3			
Plug From:		7.800000190734863			
Plug To:		11.5			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004838176			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1004838167			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004838173			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		8.3999999618530273			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004838174			
Layer:		1			
Slot:		10			
Screen Top Depth:		8.3999999618530273			
Screen End Depth:		11.5			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.099999904632568			
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		1004838172			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		m			
 <u>Hole Diameter</u>					
Hole ID:		1004838171			
Diameter:		21.0			
Depth From:		0.0			
Depth To:		11.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
 <u>Links</u>					
Bore Hole ID:	1004276727			Tag No:	A144477
Depth M:	11.5			Contractor:	7320
Year Completed:	2013			Latitude:	43.5406798095734
Well Completed Dt:	03/28/2013			Longitude:	-80.5559107838336
Audit No:	Z166458			Y:	43.54067980910329
Path:	720\7200624.pdf			X:	-80.55591063572352
11	1 of 1	SE/115.8	326.8 / -16.25	33 FRONT STREET lot 8 ST. JACOBS ON	WWIS
Well ID:	7295547			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/29/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z259791			Contractor:	7282
Tag:	A219101			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliabilty:				Lot:	008
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):					
 <u>Additional Detail(s) (Map)</u>					
Well Completed Date:	04/24/2017				
Year Completed:	2017				
Depth (m):	7.3152				
Latitude:	43.5406354626765				
Longitude:	-80.5560843976416				
Path:					
 <u>Bore Hole Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	1006735639			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535864.00
Code OB Desc:				North83:	4820950.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	04/24/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006875094				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:	34				
Mat3 Desc:	TILL				
Formation Top Depth:	8.0				
Formation End Depth:	24.0				
Formation End Depth UOM:	ft				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006875093				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	8.0				
Formation End Depth UOM:	ft				
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1006875101				
Layer:	1				
Plug From:	0.0				
Plug To:	13.0				
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
Method Construction ID: 1006875100					
Method Construction Code: 6					
Method Construction: Boring					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1006875092					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1006875097					
Layer: 1					
Material: 5					
Open Hole or Material: PLASTIC					
Depth From: 0.0					
Depth To: 14.0					
Casing Diameter: 2.0					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
<u>Construction Record - Screen</u>					
Screen ID: 1006875098					
Layer: 1					
Slot: 10					
Screen Top Depth: 14.0					
Screen End Depth: 24.0					
Screen Material: 5					
Screen Depth UOM: ft					
Screen Diameter UOM: inch					
Screen Diameter: 2.299999952316284					
<u>Water Details</u>					
Water ID: 1006875096					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: ft					
<u>Hole Diameter</u>					
Hole ID: 1006875095					
Diameter: 8.0					
Depth From: 0.0					
Depth To: 24.0					
Hole Depth UOM: ft					
Hole Diameter UOM: inch					
<u>Links</u>					
Bore Hole ID:	1006735639			Tag No:	A219101
Depth M:	7.3152			Contractor:	7282
Year Completed:	2017			Latitude:	43.5406354626765
Well Completed Dt:	04/24/2017			Longitude:	-80.5560843976416

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Audit No:	Z259791			Y:	43.540635462091515
Path:	729\7295547.pdf			X:	-80.55608424947435
12	1 of 1	SE/119.1	326.8 / -16.25	33 Front St St Jacobs ON	EHS
Order No:	20170313138			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	20-MAR-17			Search Radius (km):	.25
Date Received:	13-MAR-17			X:	-80.556145
Previous Site Name:				Y:	43.540594
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos				
13	1 of 2	SSE/119.2	329.9 / -13.17	AMEC Foster Wheeler 33 Front Street St. Jacobs ON N0B 2N0	GEN
Generator No:	ON7567100				
SIC Code:					
SIC Description:					
Approval Years:	As of Dec 2017				
PO Box No:					
Country:	Canada				
Status:	Registered				
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:	241 L				
Waste Class Name:	Halogenated solvents and residues				
13	2 of 2	SSE/119.2	329.9 / -13.17	Sprucelawn Apartments For Seniors Incorporated 33 Front St St. Jacobs Woolwich ON N0B 2N0	ECA
Approval No:	2340-BURTVK			MOE District:	
Approval Date:	2020-11-02			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	Sprucelawn Apartments For Seniors Incorporated				
Address:	33 Front St St. Jacobs				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4194-BTRQFX-14.pdf				
PDF Site Location:					
14	1 of 1	SE/121.0	325.7 / -17.31	10 FRONT STREET ST JACOBS ON	WWIS
Well ID:	7200626			Flowing (Y/N):	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Test Hole			Date Received:	04/23/2013
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z166459			Contractor:	7320
Tag:	A144475			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		03/28/2013			
Year Completed:		2013			
Depth (m):		10.9			
Latitude:		43.5409117478783			
Longitude:		-80.5553520807515			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1004276733		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535923.00
Code OB Desc:				North83:	4820981.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		03/28/2013		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004838247			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		05			
Mat3 Desc:		CLAY			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.0			
Formation End Depth:		4.599999904632568			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838249			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		7.800000190734863			
Formation End Depth:		10.899999618530273			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838248			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		4.599999904632568			
Formation End Depth:		7.800000190734863			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838257			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		7.099999904632568			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838256			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838258			
Layer:		3			
Plug From:		7.099999904632568			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		10.899999618530273			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004838255			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1004838246			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004838252			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		7.800000190734863			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004838253			
Layer:		1			
Slot:		10			
Screen Top Depth:		7.800000190734863			
Screen End Depth:		10.899999618530273			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.099999904632568			
<u>Water Details</u>					
Water ID:		1004838251			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004838250			
Diameter:		26.0			
Depth From:		0.0			
Depth To:		10.899999618530273			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Links</u>					
Bore Hole ID:	1004276733			Tag No:	A144475
Depth M:	10.9			Contractor:	7320
Year Completed:	2013			Latitude:	43.5409117478783
Well Completed Dt:	03/28/2013			Longitude:	-80.5553520807515
Audit No:	Z166459			Y:	43.5409117475691
Path:	720\7200626.pdf			X:	-80.55535193228143

15	1 of 1	SE/122.1	326.8 / -16.25	SPRUCELAWN APARTMENTS FOR SENIORS INCORPORATED 2 ISABELLA STREET SOUTH, ST. JACOBS, ON N0B 2N0, 33 FRONT STREET WEST, ST. JACOBS, ON N0B 2N0 Woolwich ON	RSC
RSC ID:	227156			Cert Date:	
RA No:				Cert Prop Use No:	
RSC Type:	Phase 1 and 2 RSC			Intended Prop Use:	Residential
Curr Property Use:	Residential			Qual Person Name:	DAVID MARKS
Ministry District:	Guelph District Office			Stratified (Y/N):	
Filing Date:	2020/10/14			Audit (Y/N):	
Date Ack:				Entire Leg Prop. (Y/N):	
Date Returned:				Accuracy Estimate:	
Restoration Type:				Telephone:	
Soil Type:				Fax:	
Criteria:				Email:	
CPU Issued Sect 1686:					
Asmt Roll No:	302902000321400, 302902000321310				
Prop ID No (PIN):	22235-0447 (LT)				
Property Municipal Address:	2 ISABELLA STREET SOUTH, ST. JACOBS, ON N0B 2N0, 33 FRONT STREET WEST, ST. JACOBS, ON N0B 2N0				
Mailing Address:					
Latitude & Latitude:					
UTM Coordinates:					
Consultant:					
Legal Desc:					
Measurement Method:					
Applicable Standards:					
RSC PDF:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=133399&fileName=BROWNFIELDS-E.pdf				

Document(s) Detail

Document Heading:	Supporting Documents
Document Name:	2-Lawyers Letter-Sprucelawn.pdf
Document Type:	Lawyer's letter consisting of a legal description of the property
Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=133398&fileName=2-Lawyers+Letter-Sprucelawn.pdf
Document Heading:	Supporting Documents
Document Name:	3-Land Registry-Sprucelawn.pdf
Document Type:	Copy of any deed(s), transfer(s) or other document(s)
Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=133400&fileName=3-Land+Registry-Sprucelawn.pdf
Document Heading:	Supporting Documents
Document Name:	1-Sprucelawn-Certificate of Status.pdf
Document Type:	Certificate of Status
Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=133407&fileName=1-Sprucelawn-Certificate+of+Status.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Document Heading:		Supporting Documents			
Document Name:		Survey.pdf			
Document Type:		A Current plan of Survey			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=136772&fileName=Survey.pdf			
Document Heading:		Supporting Documents			
Document Name:		APECTable.pdf			
Document Type:		Area(s) of Potential Environmental Concern			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=136773&fileName=APECTable.pdf			
Document Heading:		Supporting Documents			
Document Name:		CPTable.pdf			
Document Type:		Table of Current and Past Property Use			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=136774&fileName=CPTable.pdf			
Document Heading:		Supporting Documents			
Document Name:		PhaseTwo.pdf			
Document Type:		Phase 2 Conceptual Site Model			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=136775&fileName=PhaseTwo.pdf			

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1 of 1

SE/122.6

326.8 / -16.25

33 FRONT STREET lot 8
ST. JACOBS ON

WWIS

Well ID:7295548

Construction Date:

Use 1st:Monitoring

Use 2nd:

Final Well Status:Observation Wells

Water Type:

Casing Material:

Audit No:Z259790

Tag:A219103

Constructn Method:

Elevation (m):

Elevatn Reliabilty:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Static Water Level:

Clear/Cloudy:

Municipality:WOOLWICH TOWNSHIP

Site Info:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:04/24/2017

Year Completed:2017

Depth (m):6.4008

Latitude:43.5405901064169

Longitude:-80.5559980863308

Path:

Bore Hole Information

Bore Hole ID:1006735642

DP2BR:

Spatial Status:

Flowing (Y/N):

Flow Rate:

Data Entry Status:

Data Src:

Date Received:09/29/2017

Selected Flag:TRUE

Abandonment Rec:

Contractor:7282

Form Version:7

Owner:

County:WATERLOO

Lot:008

Concession:

Concession Name:GCT

Easting NAD83:

Northing NAD83:

Zone:

UTM Reliability:

17

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	535871.00
Code OB Desc:				North83:	4820945.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	04/24/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006875104			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		34			
Mat3 Desc:		TILL			
Formation Top Depth:		8.0			
Formation End Depth:		21.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006875103			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		8.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006875111			
Layer:		1			
Plug From:		0.0			
Plug To:		10.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006875110			
Method Construction Code:		6			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006875102			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006875107			
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:		1006875108			
Layer:		1			
Slot:		10			
Screen Top Depth:		11.0			
Screen End Depth:		21.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.299999952316284			
<u>Water Details</u>					
Water ID:		1006875106			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006875105			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		21.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Links</u>					
Bore Hole ID:	1006735642		Tag No:	A219103	
Depth M:	6.4008		Contractor:	7282	
Year Completed:	2017		Latitude:	43.5405901064169	
Well Completed Dt:	04/24/2017		Longitude:	-80.5559980863308	
Audit No:	Z259790		Y:	43.540590105060026	
Path:	729\7295548.pdf		X:	-80.55599793757663	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	SSE/126.5	329.9 / -13.17	33 FRONT ST lot 8 ST. JACOBS ON	WWIS
Well ID:7326218 Construction Date: Use 1st:Monitoring Use 2nd: Final Well Status:0 Water Type: Casing Material: Audit No:Z304211 Tag:A262317 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality:WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received:01/11/2019 Selected Flag:TRUE Abandonment Rec: Contractor:7366 Form Version:7 Owner: County:WATERLOO Lot:008 Concession: Concession Name:GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability: PDF URL (Map): Additional Detail(s) (Map) Well Completed Date:11/27/2018 Year Completed:2018 Depth (m):5.4 Latitude:43.5404758404459 Longitude:-80.5567168316698 Path: Bore Hole Information Bore Hole ID:1007352966 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed:11/27/2018 Remarks: Loc Method Desc:on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Elevation: Elevrc: Zone:17 East83:535813.00 North83:4820932.00 Org CS:UTM83 UTMRC:4 UTMRC Desc:margin of error : 30 m - 100 m Location Method:wwr Overburden and Bedrock Materials Interval Formation ID:1007518353 Layer:1 Color:6 General Color:BROWN Mat1:01					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 11/27/2018
Year Completed: 2018
Depth (m): 5.4
Latitude: 43.5404758404459
Longitude: -80.5567168316698
Path:

Bore Hole Information

Bore Hole ID: 1007352966
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/27/2018
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 535813.00
North83: 4820932.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock
Materials Interval

Formation ID: 1007518353
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		FILL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.6000000238418579			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007518354			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.6000000238418579			
Formation End Depth:		5.400000095367432			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007518362			
Layer:		2			
Plug From:		1.5			
Plug To:		5.400000095367432			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007518361			
Layer:		1			
Plug From:		0.0			
Plug To:		1.5			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1007518360			
Method Construction Code:		9			
Method Construction:		Driving			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1007518352			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		1007518357			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		2.4000000953674316			
Casing Diameter:		3.799999952316284			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1007518358			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.4000000953674316			
Screen End Depth:		5.400000095367432			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.0			
<u>Water Details</u>					
Water ID:		1007518356			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1007518355			
Diameter:		10.0			
Depth From:		0.0			
Depth To:		5.400000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1007352966			Tag No:	A262317
Depth M:	5.4			Contractor:	7366
Year Completed:	2018			Latitude:	43.5404758404459
Well Completed Dt:	11/27/2018			Longitude:	-80.5567168316698
Audit No:	Z304211			Y:	43.54047583914751
Path:	732\7326218.pdf			X:	-80.55671668391014
18	1 of 1	SE/126.7	329.9 / -13.17	2 Isabella St Woolwich ON N0B2N0	EHS
Order No:	20160622085			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Express Report			Client Prov/State:	ON
Report Date:	22-JUN-16			Search Radius (km):	.25
Date Received:	22-JUN-16			X:	-80.556533
Previous Site Name:	Residential			Y:	43.540511
Lot/Building Size:	~ 1650 m2				
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	ESE/130.3	326.0 / -16.98	10 FRONT STREET ST. JACOBS ON	WWIS
Well ID: 6510456 Construction Date: Use 1st: Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z42228 Tag: A037751 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 01/25/2006 Selected Flag: TRUE Abandonment Rec: Contractor: 6607 Form Version: 3 Owner: County: WATERLOO Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: WOOLWICH TOWNSHIP (WATERLOO TWP)					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/651\6510456.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/10/2006			
Year Completed:		2006			
Depth (m):		9.5			
Latitude:		43.5410726635629			
Longitude:		-80.5550538303347			
Path:		651\6510456.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		11557753		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 17	
Code OB:				East83: 535947.00	
Code OB Desc:				North83: 4820999.00	
Open Hole:				Org CS: UTM83	
Cluster Kind:				UTMRC: 3	
Date Completed:		01/10/2006		UTMRC Desc: margin of error : 10 - 30 m	
Remarks:				Location Method: wwr	
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933041181			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		06			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0.0			
Formation End Depth:		3.299999952316284			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933041182			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		3.299999952316284			
Formation End Depth:		5.300000190734863			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933041183			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5.300000190734863			
Formation End Depth:		9.5			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933287147			
Layer:		1			
Plug From:		0.009999999776482582			
Plug To:		1.100000023841858			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933287149			
Layer:		3			
Plug From:		2.9000000953674316			
Plug To:		6.0			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		933287150			
Layer:		4			
Plug From:		6.0			
Plug To:		9.100000381469727			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933287148			
Layer:		2			
Plug From:		1.100000023841858			
Plug To:		2.9000000953674316			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		966510456			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11567360			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930875122			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.009999999776482582			
Depth To:		1.5			
Casing Diameter:		1.899999976158142			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930875123			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:		0.019999999552965164			
Depth To:		7.5			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933417004			
Layer:		1			
Slot:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth: 1.5 Screen End Depth: 2.9000000953674316 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 2.700000047683716					
<u>Construction Record - Screen</u>					
Screen ID: 933417005 Layer: 2 Slot: Screen Top Depth: 7.5 Screen End Depth: 9.100000381469727 Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter:					
<u>Water Details</u>					
Water ID: 934072670 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 6.0 Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 11689763 Diameter: 9.100000381469727 Depth From: 0.0 Depth To: 15.0 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID: 11557753 Depth M: 9.5 Year Completed: 2006 Well Completed Dt: 01/10/2006 Audit No: Z42228 Path: 651\6510456.pdf					
Tag No: A037751 Contractor: 6607 Latitude: 43.5410726635629 Longitude: -80.5550538303347 Y: 43.54107266325239 X: -80.55505368180535					
20	1 of 1	SE/137.4	328.6 / -14.43	10 Front St Woolwich ON	EHS
Order No: 20121217005 Status: C Report Type: Standard Report Report Date: 28-DEC-12 Date Received: 17-DEC-12 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Region of Waterloo Client Prov/State: ON Search Radius (km): .25 X: -80.555308 Y: 43.540734					
21	1 of 3	NE/142.9	349.9 / 6.86	CALVARY UNITED CHURCH PO BOX 189, 48 HAWKESVILLE	PES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
ST. JACOBS ON N0B2N0					
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL:			Operator Box: Operator Class: Operator No: Operator Type: Vendor Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:		
21	2 of 3	NE/142.9	349.9 / 6.86	CALVARY UNITED CHURCH PO BOX 189, 48 HAWKEWVILLE ST. JACOBS ON N0B2N0	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL:	23-01-10857-0 10857 Legacy Licenses (Excluding TS) Limited Vendor 23 01 0 2 2 65 2 2 65			Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 519 Oper Phone No: 6642311 Operator Ext: Operator Lot: Oper Concession: Operator Region: 2 Operator District: 2 Operator County: 65 Op Municipality: Post Office Box: MOE District: SWP Area Name:	
21	3 of 3	NE/142.9	349.9 / 6.86	The Corporation of the Township of Woolwich 20 & 48 Hawkesville Rd Woolwich ON N3B 2Z6	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:	4718-BSSS9G 2020-08-25 Approved ECA IDS ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS The Corporation of the Township of Woolwich 20 & 48 Hawkesville Rd https://www.accessenvironment.ene.gov.on.ca/instruments/4712-BSCJSC-14.pdf			MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
22	1 of 1	SE/148.3	329.3 / -13.77	FRONT STREET ST JACBOS ON	WWIS
Well ID:7200625 Construction Date: Use 1st:Test Hole Use 2nd: Final Well Status:Test Hole Water Type: Casing Material: Audit No:Z166460 Tag:A144476 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality:WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received:04/23/2013 Selected Flag:TRUE Abandonment Rec: Contractor:7320 Form Version:7 Owner: County:WATERLOO Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7200625.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		03/28/2013			
Year Completed:		2013			
Depth (m):		10			
Latitude:		43.5407845367196			
Longitude:		-80.5550559492439			
Path:		720\7200625.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1004276730		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		03/28/2013		UTMRC Desc:	
Remarks:				Location Method:	
Loc Method Desc:		on Water Well Record		wwr	
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:		1004838204			
Layer:		2			
Color:		6			
General Color:		BROWN			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		3.0999999046325684			
Formation End Depth:		4.599999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838205			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		01			
Mat2 Desc:		FILL			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		4.599999904632568			
Formation End Depth:		7.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838203			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0.0			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004838206			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		7.5			
Formation End Depth:		10.0			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		1004838214			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		6.25			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838213			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004838215			
Layer:		3			
Plug From:		6.25			
Plug To:		10.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004838212			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1004838202			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004838209			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		6.199999809265137			
Casing Diameter:		5.199999809265137			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004838210			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.800000190734863			
Screen End Depth:		10.0			
Screen Material:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.199999809265137					
Water Details					
Water ID: 1004838208 Layer: 1 Kind Code: 8 Kind: Untested Water Found Depth: Water Found Depth UOM: m					
Hole Diameter					
Hole ID: 1004838207 Diameter: 21.0 Depth From: 0.0 Depth To: 10.0 Hole Depth UOM: m Hole Diameter UOM: cm					
Links					
Bore Hole ID: 1004276730 Depth M: 10 Year Completed: 2013 Well Completed Dt: 03/28/2013 Audit No: Z166460 Path: 720\7200625.pdf Tag No: A144476 Contractor: 7320 Latitude: 43.5407845367196 Longitude: -80.5550559492439 Y: 43.540784536221565 X: -80.5550558009566					
23	1 of 1	SSE/154.7	331.2 / -11.84	con -00 ON	WWIS
Well ID: 7352545 Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: C39473 Tag: A250308 Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: PDF URL (Map):					
Flowing (Y/N): Flow Rate: Data Entry Status: Yes Data Src: Date Received: 10/04/2018 Selected Flag: TRUE Abandonment Rec: Contractor: 7190 Form Version: 8 Owner: County: WATERLOO Lot: Concession: -00 Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Additional Detail(s) (Map)					
Well Completed Date: 08/20/2018 Year Completed: 2018 Depth (m):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Latitude:		43.5401892963799			
Longitude:		-80.5571273933062			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1008171622			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535780.00
Code OB Desc:				North83:	4820900.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	08/20/2018			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Links</u>					
Bore Hole ID:	1008171622			Tag No:	A250308
Depth M:				Contractor:	7190
Year Completed:	2018			Latitude:	43.5401892963799
Well Completed Dt:	08/20/2018			Longitude:	-80.5571273933062
Audit No:	C39473			Y:	43.54018929556054
Path:				X:	-80.55712724443387
24	1 of 1	E/156.8	347.2 / 4.22	ON	BORE
Borehole ID:	682315			Inclin FLG:	No
OGF ID:	215559311			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	JUL-1970			Municipality:	
Static Water Level:	1.2			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	43.543699
Total Depth m:	6.7			Longitude DD:	-80.554242
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	536011
Drill Method:	Boring			Northing:	4821291
Orig Ground Elev m:	346			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	347				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218557172			Mat Consistency:	Dense
Top Depth:	2.6			Material Moisture:	
Bottom Depth:	6.7			Material Texture:	
Material Color:				Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:	Silt			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	WITH GRAVEL, OCCASIONAL COBBLES, VERY DENSE, TRACES OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218557170			Mat Consistency:	
Top Depth:	.2			Material Moisture:	
Bottom Depth:	.9			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218557169			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	(No description) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218557171			Mat Consistency:	Hard
Top Depth:	.9			Material Moisture:	
Bottom Depth:	2.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	WITH SAND AND GRAVEL, STIFF TO HARD, GREY, **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	4
Source Date:	1900 - 1977			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:	1970/7			Verticalda:	Mean Average Sea Level
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)				
Source Details:	11753				
Confiden 1:					
Source List					
Source Identifier:	4			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1900 - 1977			Projection Name:	Universal Traverse Mercator
Scale or Resolution:	Varies				
Source Name:	Waterloo Area Geology Automated Information System (WAGAIS)				
Source Originators:	Geological Survey of Canada				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	1 of 1	SE/166.4	332.3 / -10.73	1430 KIN G STREET NORTH ST. JACOBS ON	WWIS
Well ID: 7287100 Construction Date: Use 1st: Test Hole Use 2nd: Final Well Status: Test Hole Water Type: Casing Material: Audit No: Z256401 Tag: A225266 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 05/25/2017 Selected Flag: TRUE Abandonment Rec: Contractor: 7320 Form Version: 7 Owner: County: WATERLOO Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7287100.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		04/13/2017			
Year Completed:		2017			
Depth (m):		9.1			
Latitude:		43.54020250324			
Longitude:		-80.5558895318634			
Path:		728\7287100.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006481642		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		04/13/2017		UTMRC Desc:	
Remarks:				Location Method:	
Loc 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:		1006749346			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		0.0			
Formation End Depth:		3.5999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006749349			
Layer:		4			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		7.599999904632568			
Formation End Depth:		9.100000381469727			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006749347			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		3.5999999046325684			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006749348			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		34			
Mat2 Desc:		TILL			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		6.099999904632568			
Formation End Depth:		7.599999904632568			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1006749357			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		5.699999809265137			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006749356			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006749358			
Layer:		3			
Plug From:		5.699999809265137			
Plug To:		9.100000381469727			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1006749355			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
 <u>Pipe Information</u>					
Pipe ID:		1006749345			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1006749352			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		6.099999904632568			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		1006749353			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.099999904632568			
Screen End Depth:		9.100000381469727			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter:		6.099999904632568			
<u>Water Details</u>					
Water ID:		1006749351			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		7.599999904632568			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006749350			
Diameter:		21.0			
Depth From:		0.0			
Depth To:		9.100000381469727			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		1006481642		Tag No:	A225266
Depth M:		9.1		Contractor:	7320
Year Completed:		2017		Latitude:	43.54020250324
Well Completed Dt:		04/13/2017		Longitude:	-80.5558895318634
Audit No:		Z256401		Y:	43.54020250209699
Path:		728\7287100.pdf		X:	-80.55588938343057
26	1 of 1	ESE/168.8	324.8 / -18.21	10 FRONT ST. ST. JACOBS ON	WWIS
Well ID:		7218494		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Test Hole		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Test Hole		Date Received:	03/27/2014
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:		Z183352		Contractor:	7320
Tag:		A159489		Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7218494.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/14/2014			
Year Completed:		2014			
Depth (m):		10			
Latitude:		43.540846118807			
Longitude:		-80.5546841629888			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		721\7218494.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1004726306			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535977.00
Code OB Desc:				North83:	4820974.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	01/14/2014			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1005118138				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	06				
Mat2 Desc:	SILT				
Mat3:	11				
Mat3 Desc:	GRAVEL				
Formation Top Depth:	0.0				
Formation End Depth:	3.0999999046325684				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1005118139				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Mat2 Desc:	SILT				
Mat3:	66				
Mat3 Desc:	DENSE				
Formation Top Depth:	3.0999999046325684				
Formation End Depth:	4.599999904632568				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1005118140				
Layer:	3				
Color:	2				
General Color:	GREY				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		4.599999904632568			
Formation End Depth:		7.800000190734863			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005118141			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		7.800000190734863			
Formation End Depth:		10.0			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005118149			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		6.5			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005118150			
Layer:		3			
Plug From:		6.5			
Plug To:		10.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005118148			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005118147			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		1005118137			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005118144			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		6.800000190734863			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005118145			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.800000190734863			
Screen End Depth:		10.0			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.099999904632568			
<u>Water Details</u>					
Water ID:		1005118143			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005118142			
Diameter:		21.0			
Depth From:		0.0			
Depth To:		10.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1004726306			Tag No:	A159489
Depth M:	10			Contractor:	7320
Year Completed:	2014			Latitude:	43.540846118807
Well Completed Dt:	01/14/2014			Longitude:	-80.5546841629888
Audit No:	Z183352			Y:	43.54084611838174
Path:	721\7218494.pdf			X:	-80.55468401442361
27	1 of 1	ESE/169.1	324.8 / -18.21	10 FRONT ST./1441 KING ST. N ST. JACOBS ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	7240084			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	04/17/2015
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z186054			Contractor:	7190
Tag:	A162249			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	01/23/2015				
Year Completed:	2015				
Depth (m):	15.24				
Latitude:	43.540855074561				
Longitude:	-80.5546717192916				
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1005324726			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535978.00
Code OB Desc:				North83:	4820975.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	01/23/2015			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	www
Loc 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:	1005596762				
Layer:	5				
Color:	7				
General Color:	RED				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	61				
Mat2 Desc:	CLAYEY				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		34			
Mat3 Desc:		TILL			
Formation Top Depth:		48.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005596759			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		81			
Mat2 Desc:		SANDY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5.0			
Formation End Depth:		15.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005596760			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		81			
Mat2 Desc:		SANDY			
Mat3:		34			
Mat3 Desc:		TILL			
Formation Top Depth:		15.0			
Formation End Depth:		25.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005596758			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		84			
Mat2 Desc:		SILTY			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005596761			
Layer:		4			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		6			
General Color:		BROWN			
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:		63			
Mat2 Desc:		COARSE-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		25.0			
Formation End Depth:		48.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005596771			
Layer:		3			
Plug From:		1.0			
Plug To:		0.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005596769			
Layer:		1			
Plug From:		50.0			
Plug To:		38.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005596770			
Layer:		2			
Plug From:		38.0			
Plug To:		1.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1005596768			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1005596757			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1005596765			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		40.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		0.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1005596766			
Layer:		1			
Slot:		010			
Screen Top Depth:		50.0			
Screen End Depth:		40.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			
 <u>Water Details</u>					
Water ID:		1005596764			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		30.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1005596763			
Diameter:		9.550000190734863			
Depth From:		0.0			
Depth To:		50.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
 <u>Links</u>					
Bore Hole ID:	1005324726			Tag No:	A162249
Depth M:	15.24			Contractor:	7190
Year Completed:	2015			Latitude:	43.540855074561
Well Completed Dt:	01/23/2015			Longitude:	-80.5546717192916
Audit No:	Z186054			Y:	43.540855073972146
Path:	724\7240084.pdf			X:	-80.55467157096342
28	1 of 1	ENE/169.2	347.4 / 4.36	Hawksville Rd Waterloo ON	WWIS
Well ID:	7359803			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	06/03/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z328864			Contractor:	7610
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:				Northing NAD83: Zone: UTM Reliability:	
WOOLWICH TOWNSHIP					
PDF URL (Map):					
Additional Detail(s) (Map)					
Well Completed Date:		03/20/2020			
Year Completed:		2020			
Depth (m):					
Latitude:		43.5441221135524			
Longitude:		-80.5542886955181			
Path:					
Bore Hole Information					
Bore Hole ID:		1008302371		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	536007.00
Code OB Desc:				North83:	4821338.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		03/20/2020		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Annular Space/Abandonment Sealing Record					
Plug ID:		1008418900			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:					
Pipe Information					
Pipe ID:		1008418141			
Casing No:		0			
Comment:					
Alt Name:					
Results of Well Yield Testing					
Pumping Test Method Desc:					
Pump Test ID:		1008419903			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:					
Links					
Bore Hole ID:1008302371		Tag No:		Contractor:7610	
Depth M:		Latitude:		43.5441221135524	
Year Completed:2020		Longitude:		-80.5542886955181	
Well Completed Dt:03/20/2020		Y:		43.54412211346688	
Audit No:Z328864		X:		-80.55428854801538	
Path:735\7359803.pdf					
29	1 of 1	SSE/170.2	332.0 / -11.06	16 ISABELLA ST lot 8 ST. JACOBS ON	WWIS
Well ID:7191642		Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st:Test Hole		Data Entry Status:			
Use 2nd:		Data Src:			
Final Well Status:Observation Wells		Date Received:		11/16/2012	
Water Type:		Selected Flag:		TRUE	
Casing Material:		Abandonment Rec:			
Audit No:Z153905		Contractor:		7190	
Tag:A134593		Form Version:		7	
Constructn Method:		Owner:			
Elevation (m):		County:		WATERLOO	
Elevatn Reliabilty:		Lot:		008	
Depth to Bedrock:		Concession:			
Well Depth:		Concession Name:		GCT	
Overburden/Bedrock:		Easting NAD83:			
Pump Rate:		Northing NAD83:			
Static Water Level:		Zone:			
Clear/Cloudy:		UTM Reliability:			
Municipality:WOOLWICH TOWNSHIP					
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7191642.pdf			
Additional Detail(s) (Map)					
Well Completed Date:10/17/2012					
Year Completed:2012					
Depth (m):6.096					
Latitude:43.5400797138888					
Longitude:-80.5567321114834					
Path:719\7191642.pdf					
Bore Hole Information					
Bore Hole ID:1004205319		Elevation:			
DP2BR:		Elevrc:			
Spatial Status:		Zone:		17	
Code OB:		East83:		535812.00	
Code OB Desc:		North83:		4820888.00	
Open Hole:		Org CS:		UTM83	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Cluster Kind:				UTMRC:	5
Date Completed:	10/17/2012			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004532355				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	02				
Most Common Material:	TOPSOIL				
Mat2:	28				
Mat2 Desc:	SAND				
Mat3:	06				
Mat3 Desc:	SILT				
Formation Top Depth:	0.0				
Formation End Depth:	1.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004532356				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:	06				
Mat3 Desc:	SILT				
Formation Top Depth:	1.0				
Formation End Depth:	11.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004532357				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	28				
Mat2 Desc:	SAND				
Mat3:	34				
Mat3 Desc:	TILL				
Formation Top Depth:	11.0				
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:		1004532365			
Layer:		2			
Plug From:		13.5			
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004532364			
Layer:		1			
Plug From:		20.0			
Plug To:		13.5			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004532363			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004532354			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004532360			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		15.0			
Casing Diameter:		1.5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1004532361			
Layer:		1			
Slot:					
Screen Top Depth:		20.0			
Screen End Depth:		15.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.5			
<u>Water Details</u>					
Water ID:		1004532359			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code: 8					
Kind: Untested					
Water Found Depth: 5.099999904632568					
Water Found Depth UOM: ft					
Hole Diameter					
Hole ID: 1004532358					
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM: ft					
Hole Diameter UOM: inch					
Links					
Bore Hole ID: 1004205319					
Depth M: 6.096					
Year Completed: 2012					
Well Completed Dt: 10/17/2012					
Audit No: Z153905					
Path: 719\7191642.pdf					
Tag No: A134593					
Contractor: 7190					
Latitude: 43.5400797138888					
Longitude: -80.5567321114834					
Y: 43.54007971343809					
X: -80.5567319624876					
30	1 of 1	ESE/170.6	328.0 / -14.99	1441 KING ST N lot 8 ST JACOBS ON	WWIS
Well ID: 7274024					
Construction Date:					
Use 1st:					
Use 2nd:					
Final Well Status: Abandoned-Other					
Water Type:					
Casing Material:					
Audit No: Z236925					
Tag: A159849					
Constructn Method:					
Elevation (m):					
Elevatn Reliabilty:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Clear/Cloudy:					
Municipality: WOOLWICH TOWNSHIP					
Site Info:					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src:					
Date Received: 10/27/2016					
Selected Flag: TRUE					
Abandonment Rec: Yes					
Contractor: 7366					
Form Version: 7					
Owner:					
County: WATERLOO					
Lot: 008					
Concession:					
Concession Name: GCT					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7274024.pdf					
Additional Detail(s) (Map)					
Well Completed Date: 10/12/2016					
Year Completed: 2016					
Depth (m):					
Latitude: 43.5408280626705					
Longitude: -80.5546719181098					
Path: 727\7274024.pdf					
Bore Hole Information					
Bore Hole ID: 1006278909					
DP2BR:					
Elevation:					
Elevrc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:				East83:	535978.00
Code OB Desc:				North83:	4820972.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	10/12/2016			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006452427			
Layer:					
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006452433			
Layer:		1			
Plug From:		0.0			
Plug To:		11.100000381469727			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006452434			
Layer:		1			
Plug From:		0.0			
Plug To:		11.100000381469727			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006452432			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006452426			
Casing No:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Comment: Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006452430			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006452431			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006452429			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006452428			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1006278909			Tag No:	A159849
Depth M:				Contractor:	7366
Year Completed:	2016			Latitude:	43.5408280626705
Well Completed Dt:	10/12/2016			Longitude:	-80.5546719181098
Audit No:	Z236925			Y:	43.540828061983326
Path:	727\7274024.pdf			X:	-80.55467176949348

31	1 of 1	SSE/171.6	331.2 / -11.81	16 ISABELLA STREETR SOUTH ST. JACOBS ON	WWIS
Well ID:	7297081			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:	Test Hole			Date Received:	10/13/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z268815			Contractor:	7320
Tag:	A234426			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:		WOOLWICH TOWNSHIP			
Site Info:					
 PDF URL (Map):					
 <u>Additional Detail(s) (Map)</u>					
Well Completed Date:	09/15/2017				
Year Completed:	2017				
Depth (m):	4.6				
Latitude:	43.5400276563986				
Longitude:	-80.5572399749558				
Path:					
 <u>Bore Hole Information</u>					
Bore Hole ID:	1006763658			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535771.00
Code OB Desc:				North83:	4820882.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	09/15/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006933494				
Layer:	3				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	3.0999999046325684				
Formation End Depth:	4.599999904632568				
Formation End Depth UOM:	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006933493			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		1.5			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006933492			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0.0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006933501			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006933502			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		1.2000000476837158			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006933503			
Layer:		3			
Plug From:		1.2000000476837158			
Plug To:		4.599999904632568			
Plug Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1006933500				
Method Construction Code:	6				
Method Construction:	Boring				
Other Method Construction:	HSA				
<u>Pipe Information</u>					
Pipe ID:	1006933491				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1006933497				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0.699999988079071				
Depth To:	1.5				
Casing Diameter:	5.099999904632568				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1006933498				
Layer:	1				
Slot:	10				
Screen Top Depth:	1.5				
Screen End Depth:	4.599999904632568				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	6.099999904632568				
<u>Water Details</u>					
Water ID:	1006933496				
Layer:	1				
Kind Code:	8				
Kind:	Untested				
Water Found Depth:	3.0999999046325684				
Water Found Depth UOM:	m				
<u>Hole Diameter</u>					
Hole ID:	1006933495				
Diameter:	21.0				
Depth From:	0.0				
Depth To:	4.599999904632568				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<u>Links</u>					
Bore Hole ID:	1006763658			Tag No:	A234426

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth M:	4.6			Contractor:	7320
Year Completed:	2017			Latitude:	43.5400276563986
Well Completed Dt:	09/15/2017			Longitude:	-80.5572399749558
Audit No:	Z268815			Y:	43.54002765534925
Path:				X:	-80.55723982667423

32	1 of 1	ENE/184.6	346.9 / 3.83	lot 36 ON	WWIS
Well ID:	7328146			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	Yes
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	02/04/2019
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	C42205			Contractor:	7464
Tag:	A250717			Form Version:	8
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliabilty:				Lot:	036
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):					

Additional Detail(s) (Map)

Well Completed Date: 12/13/2018
 Year Completed: 2018
 Depth (m):
 Latitude: 43.5442296301634
 Longitude: -80.5541517401928
 Path:

Bore Hole Information

Bore Hole ID:	1007367162	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	536018.00
Code OB Desc:		North83:	4821350.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12/13/2018	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID: 1007367162 Depth M: Year Completed: 2018 Well Completed Dt: 12/13/2018 Audit No: C42205 Path: Tag No: A250717 Contractor: 7464 Latitude: 43.5442296301634 Longitude: -80.5541517401928 Y: 43.544229629320775 X: -80.55415159179901					
33	1 of 1	ENE/190.8	346.9 / 3.92	Hawksville Rd Waterloo ON	WWIS
Well ID: 7359802 Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Z328859 Tag: Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 06/03/2020 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 7610 Form Version: 7 Owner: County: WATERLOO Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 03/20/2020 Year Completed: 2020 Depth (m): Latitude: 43.5441028988566 Longitude: -80.5539793759448 Path:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1008302368 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 03/20/2020 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Elevation: Elevrc: Zone: 17 East83: 536032.00 North83: 4821336.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					
<u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		1008418899			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Pipe Information</u>					
Pipe ID:		1008418140			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008419902			
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>Links</u>					
Bore Hole ID:	1008302368			Tag No:	
Depth M:				Contractor:	7610
Year Completed:	2020			Latitude:	43.5441028988566
Well Completed Dt:	03/20/2020			Longitude:	-80.5539793759448
Audit No:	Z328859			Y:	43.54410289835771
Path:	735\7359802.pdf			X:	-80.5539792276199

34	1 of 1	SE/190.9	328.0 / -14.99	10 FRONT ST. lot 8 ST. JACOBS ON	WWIS
Well ID:	7103286			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Test Hole			Date Received:	03/26/2008
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	M00778			Contractor:	6607
Tag:	A062498			Form Version:	5
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliability:				Lot:	008
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7103286.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/02/2008			
Year Completed:		2008			
Depth (m):					
Latitude:		43.5407200151069			
Longitude:		-80.5546727133797			
Path:		710\7103286.pdf			
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7103286.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/02/2007			
Year Completed:		2007			
Depth (m):		10.4			
Latitude:		43.5408116931114			
Longitude:		-80.5550928828516			
Path:		710\7103286.pdf			
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7103286.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/02/2008			
Year Completed:		2008			
Depth (m):					
Latitude:		43.5409648086628			
Longitude:		-80.5551041347267			
Path:		710\7103286.pdf			
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7103286.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/02/2008			
Year Completed:		2008			
Depth (m):					
Latitude:		43.5408912350395			
Longitude:		-80.5547085865013			
Path:		710\7103286.pdf			
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7103286.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/02/2008			
Year Completed:		2008			
Depth (m):					
Latitude:		43.5407189541644			
Longitude:		-80.5544004106178			
Path:		710\7103286.pdf			
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7103286.pdf	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	01/02/2008				
Year Completed:	2008				
Depth (m):					
Latitude:	43.5408629210947				
Longitude:	-80.5543745947539				
Path:	710\7103286.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1002668460			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535978.00
Code OB Desc:				North83:	4820960.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	5
Date Completed:	01/02/2008			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1002668464				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1002668463				
Method Construction Code:					
Method Construction:					
Other Method Construction:	BORING				
<u>Pipe Information</u>					
Pipe ID:	1002668465				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1002668467				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	2.5				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:					
		m			
<u>Construction Record - Screen</u>					
Screen ID:					
		1002668466			
Layer:					
Slot:					
Screen Top Depth:					
		2.5			
Screen End Depth:					
		4.599999904632568			
Screen Material:					
Screen Depth UOM:					
		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:					
		1002668468			
Pump Set At:					
Static Level:					
		2.799999952316284			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:					
		1002668462			
Diameter:					
		15.0			
Depth From:					
Depth To:					
		4.599999904632568			
Hole Depth UOM:					
		m			
Hole Diameter UOM:					
		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:					
		1001554556			
DP2BR:					
Spatial Status:					
Code OB:					
Code OB Desc:					
Open Hole:					
Cluster Kind:					
Date Completed:					
		01/02/2007			
Remarks:					
Loc Method Desc:					
		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Elevation:					
Elevrc:					
Zone:					
		17			
East83:					
		535944.00			
North83:					
		4820970.00			
Org CS:					
		UTM83			
UTMRC:					
		5			
UTMRC Desc:					
		margin of error : 100 m - 300 m			
Location Method:					
		wwr			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002668501			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		3.700000047683716			
Formation End Depth:		7.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002668497			
Layer:		1			
Color:					
General Color:					
Mat1:		27			
Most Common Material:		OTHER			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.15000000596046448			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002668502			
Layer:		6			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		7.5			
Formation End Depth:		10.3999999618530273			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002668498			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.15000000596046448			
Formation End Depth:		0.25			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002668499			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:					
Mat2 Desc:					
Mat3:		65			
Mat3 Desc:		DARK-COLOURED			
Formation Top Depth:		0.25			
Formation End Depth:		2.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002668500			
Layer:		4			
Color:		8			
General Color:		BLACK			
Mat1:		04			
Most Common Material:		PEAT			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2.5			
Formation End Depth:		3.700000047683716			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002668504			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002668505			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		8.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1002668506			
Layer:		3			
Plug From:		8.0			
Plug To:		10.399999618530273			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002668511			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002668496			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002668508			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		10.399999618530273			
Casing Diameter:		1.899999976158142			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002668509			
Layer:		1			
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		2.700000047683716			
<u>Water Details</u>					
Water ID:		1002668507			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		7.5			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1002668503			
Diameter:		15.0			
Depth From:		0.0			
Depth To:		10.399999618530273			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002668487			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	536000.00
Code OB Desc:				North83:	4820960.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	5
Date Completed:	01/02/2008			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1002668491				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1002668490				
Method Construction Code:					
Method Construction:					
Other Method Construction:	BORING				
<u>Pipe Information</u>					
Pipe ID:	1002668492				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1002668494				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	8.800000190734863				
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1002668493				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:					
Slot:					
Screen Top Depth:		8.800000190734863			
Screen End Depth:		10.300000190734863			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
Results of Well Yield Testing					
Pumping Test Method Desc:					
Pump Test ID:		1002668495			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
Hole Diameter					
Hole ID:					
Diameter:		15.0			
Depth From:					
Depth To:		10.300000190734863			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Bore Hole Information					
Bore Hole ID:		1002668478		Elevation:	
DP2BR:			Elevrc:		
Spatial Status:			Zone:		
Code OB:			17		
Code OB Desc:			East83:		
Open Hole:			535975.00		
Cluster Kind:			North83:		
Date Completed:			4820979.00		
Remarks:			Org CS:		
Loc Method Desc:			UTM83		
Elevrc Desc:			5		
Location Source Date:			UTMRC:		
Improvement Location Source:			margin of error : 100 m - 300 m		
Improvement Location Method:			UTMRC Desc:		
Source Revision Comment:			Location Method:		
Supplier Comment:			wwr		
Annular Space/Abandonment					
Sealing Record					
Plug ID:					
Laver:		1002668482			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From: Plug To: Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1002668481				
Method Construction Code:					
Method Construction:					
Other Method Construction:	BORING				
<u>Pipe Information</u>					
Pipe ID:	1002668483				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1002668485				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	10.600000381469727				
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1002668484				
Layer:					
Slot:					
Screen Top Depth:	10.600000381469727				
Screen End Depth:	12.100000381469727				
Screen Material:					
Screen Depth UOM:	m				
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:	1002668486				
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	m				
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1002668480			
Diameter:		21.0			
Depth From:					
Depth To:		12.100000381469727			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002668451			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	536002.00
Code OB Desc:				North83:	4820976.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	5
Date Completed:	01/02/2008			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1002668455				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1002668454				
Method Construction Code:					
Method Construction:					
Other Method Construction:	BORING				
<u>Pipe Information</u>					
Pipe ID:	1002668456				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1002668458				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	2.5				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:					
		m			
<u>Construction Record - Screen</u>					
Screen ID:					
		1002668457			
Layer:					
Slot:					
Screen Top Depth:					
		2.5			
Screen End Depth:					
		4.599999904632568			
Screen Material:					
Screen Depth UOM:					
		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:					
		1002668459			
Pump Set At:					
Static Level:					
		3.0			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:					
		1002668453			
Diameter:					
		15.0			
Depth From:					
Depth To:					
		4.599999904632568			
Hole Depth UOM:					
		m			
Hole Diameter UOM:					
		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:					
		1002668469			
DP2BR:					
Spatial Status:					
Code OB:					
Code OB Desc:					
Open Hole:					
Cluster Kind:					
		This is a record from cluster log sheet			
Date Completed:					
		01/02/2008			
Remarks:					
Loc Method Desc:					
		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Elevation:					
Elevrc:					
Zone:					
		17			
East83:					
		535943.00			
North83:					
		4820987.00			
Org CS:					
		UTM83			
UTMRC:					
		5			
UTMRC Desc:					
		margin of error : 100 m - 300 m			
Location Method:					
		wwr			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002668473			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002668472			
Method Construction Code:					
Method Construction:					
Other Method Construction:		BORING			
<u>Pipe Information</u>					
Pipe ID:		1002668474			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002668476			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.899999976158142			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002668475			
Layer:					
Slot:					
Screen Top Depth:		1.899999976158142			
Screen End Depth:		4.0			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1002668477			
Pump Set At:					
Static Level:		2.799999952316284			
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: Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:					
<u>Hole Diameter</u>					
Hole ID: 1002668471 Diameter: 15.0 Depth From: Depth To: 4.0 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID:		1002668451		Tag No:	A062498
Depth M:				Contractor:	6607
Year Completed:		2008		Latitude:	43.5408629210947
Well Completed Dt:		01/02/2008		Longitude:	-80.5543745947539
Audit No:		M00778		Y:	43.54086291994795
Path:		710\7103286.pdf		X:	-80.55437444698823
<u>Links</u>					
Bore Hole ID:		1002668487		Tag No:	A062498
Depth M:				Contractor:	6607
Year Completed:		2008		Latitude:	43.5407189541644
Well Completed Dt:		01/02/2008		Longitude:	-80.5544004106178
Audit No:		M00778		Y:	43.54071895312977
Path:		710\7103286.pdf		X:	-80.55440026277778
<u>Links</u>					
Bore Hole ID:		1002668469		Tag No:	A062498
Depth M:				Contractor:	6607
Year Completed:		2008		Latitude:	43.5409648086628
Well Completed Dt:		01/02/2008		Longitude:	-80.5551041347267
Audit No:		M00778		Y:	43.540964808363825
Path:		710\7103286.pdf		X:	-80.55510398655682
<u>Links</u>					
Bore Hole ID:		1001554556		Tag No:	A062498
Depth M:		10.4		Contractor:	6607
Year Completed:		2007		Latitude:	43.5408116931114
Well Completed Dt:		01/02/2007		Longitude:	-80.5550928828516
Audit No:		M00778		Y:	43.54081169214114
Path:		710\7103286.pdf		X:	-80.55509273427705
<u>Links</u>					
Bore Hole ID:		1002668460		Tag No:	A062498
Depth M:				Contractor:	6607
Year Completed:		2008		Latitude:	43.5407200151069
Well Completed Dt:		01/02/2008		Longitude:	-80.5546727133797
Audit No:		M00778		Y:	43.54072001455814

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:	710\7103286.pdf			X:	-80.55467256451209
<u>Links</u>					
Bore Hole ID:	1002668478			Tag No:	A062498
Depth M:				Contractor:	6607
Year Completed:	2008			Latitude:	43.5408912350395
Well Completed Dt:	01/02/2008			Longitude:	-80.5547085865013
Audit No:	M00778			Y:	43.54089123428364
Path:	710\7103286.pdf			X:	-80.55470843870606

35	1 of 1	ESE/199.1	327.3 / -15.75	1441 KING ST N lot 7 ST JACOBS ON	WWIS
Well ID:	7274016			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	10/27/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z236926			Contractor:	7366
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliabilty:				Lot:	007
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	WOOLWICH TOWNSHIP				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:
Year Completed:
Depth (m):
Latitude: 43.5408175152981
Longitude: -80.5542759069945
Path:

Bore Hole Information

Bore Hole ID: 1006278759
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed:
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

Elevation:
Elevrc:
Zone: 17
East83: 536010.00
North83: 4820971.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006452335			
Layer:					
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006452341			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006452340			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006452334			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006452338			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006452339			
Layer:					
Slot:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter:					
<u>Water Details</u>					
Water ID: 1006452337 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: ft					
<u>Hole Diameter</u>					
Hole ID: 1006452336 Diameter: Depth From: Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch					
<u>Links</u>					
Bore Hole ID: 1006278759 Depth M: Year Completed: Well Completed Dt: Audit No: Z236926 Path: 727\7274016.pdf Tag No: Contractor: 7366 Latitude: 43.5408175152981 Longitude: -80.5542759069945 Y: 43.540817514248864 X: -80.55427575900478					
36	1 of 2	SSE/199.4	333.5 / -9.53	JAKOBSTETTEL GUEST HOUSE INC. 22-407 16 ISABELLA ST. ST. JACOBS ON N0B 2N0	GEN
Generator No: ON1273900 SIC Code: 9114 SIC Description: GUEST/TOURSIT HOUSES Approval Years: 92,93,94,95,96,97,98 PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class: 222 Waste Class Name: HEAVY FUELS					
36	2 of 2	SSE/199.4	333.5 / -9.53	16 Isabella St Woolwich ON N0B2N0	EHS
Order No: 20170815047 Status: C Nearest Intersection: Municipality:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	31-AUG-17			Search Radius (km):	.25
Date Received:	15-AUG-17			X:	-80.556448
Previous Site Name:				Y:	43.539867
Lot/Building Size:					
Additional Info Ordered:					

37	1 of 1	ESE/201.8	323.9 / -19.16	lot 8 ON	WWIS
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Well ID:	6502600	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:	0	Data Src:	1
Final Well Status:	Water Supply	Date Received:	05/25/1950
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	4725
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	WATERLOO
Elevatn Reliabilty:		Lot:	008
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	GCT
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	WOOLWICH TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6502600.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/24/1948
Year Completed:	1948
Depth (m):	52.7304
Latitude:	43.5408353253757
Longitude:	-80.5542250269031
Path:	650\6502600.pdf

Bore Hole Information

Bore Hole ID:	10454049	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	536014.10
Code OB Desc:		North83:	4820973.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	08/24/1948	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
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:		932558542			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		3.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558543			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3.0			
Formation End Depth:		140.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558544			
Layer:		3			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		140.0			
Formation End Depth:		160.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558545			
Layer:		4			
Color:					
General Color:					
Mat1:		26			
Most Common Material:		ROCK			
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		160.0			
Formation End Depth:		173.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966502600			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11002619			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930737691			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		173.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930737690			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		166.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		996502600			
Pump Set At:					
Static Level:		31.0			
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:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		12			
Pumping Duration MIN:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing:		No			
<u>Water Details</u>					
Water ID:	933941028				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	173.0				
Water Found Depth UOM:	ft				
<u>Links</u>					
Bore Hole ID:	10454049			Tag No:	
Depth M:	52.7304			Contractor:	4725
Year Completed:	1948			Latitude:	43.5408353253757
Well Completed Dt:	08/24/1948			Longitude:	-80.5542250269031
Audit No:				Y:	43.5408353245037
Path:	650\6502600.pdf			X:	-80.55422487844157

38	1 of 1	ENE/202.7	345.8 / 2.77	Northside Dr Waterloo ON	WWIS
Well ID:	7359801			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	06/03/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z328858			Contractor:	7610
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:		WOOLWICH TOWNSHIP			
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 03/20/2020
Year Completed: 2020
Depth (m):
Latitude: 43.5440571546
Longitude: -80.5537940366596
Path:

Bore Hole Information

Bore Hole ID: 1008302365
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Elevation:
Elevrc:
Zone: 17
East83: 536047.00
North83: 4821331.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole: Cluster Kind: Date Completed: 03/20/2020 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
				Org CS: UTMRC: UTMRC Desc: Location Method:	UTM83 4 margin of error : 30 m - 100 m wwr
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1008418898 Layer: 1 Plug From: 0.0 Plug To: 16.600000381469727 Plug Depth UOM: ft					
<u>Pipe Information</u>					
Pipe ID: 1008418139 Casing No: 0 Comment: Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc: Pump Test ID: 1008419901 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>Links</u>					
Bore Hole ID: 1008302365 Depth M: Year Completed: 2020 Well Completed Dt: 03/20/2020 Audit No: Z328858 Path: 735\7359801.pdf					
Tag No: Contractor: 7610 Latitude: 43.5440571546 Longitude: -80.5537940366596 Y: 43.54405715454889 X: -80.55379388817154					
39	1 of 1	E/206.9	344.4 / 1.32	lot 36 ON	WWIS
Well ID: 6502664 Construction Date:					
Flowing (Y/N): Flow Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	02/12/1952
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	4725
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliability:				Lot:	036
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6502664.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		10/22/1951			
Year Completed:		1951			
Depth (m):		49.9872			
Latitude:		43.5435340988015			
Longitude:		-80.5535862251			
Path:		650\6502664.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10454113		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	536064.10
Code OB Desc:				North83:	4821273.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:		10/22/1951		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Loc Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932558977			
Layer:		3			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		35.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		41.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558979			
Layer:		5			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50.0			
Formation End Depth:		68.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558980			
Layer:		6			
Color:					
General Color:					
Mat1:		13			
Most Common Material:		BOULDERS			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		68.0			
Formation End Depth:		70.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558984			
Layer:		10			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		130.0			
Formation End Depth:		133.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558988			
Layer:		14			
Color:					
General Color:					
Mat1:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		150.0			
Formation End Depth:		164.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558986			
Layer:		12			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		138.0			
Formation End Depth:		146.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558987			
Layer:		13			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		146.0			
Formation End Depth:		150.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558976			
Layer:		2			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		28.0			
Formation End Depth:		35.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932558981			
Layer:		7			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		70.0			
Formation End Depth:		102.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558983			
Layer:		9			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		120.0			
Formation End Depth:		130.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558975			
Layer:		1			
Color:					
General Color:					
Mat1:		23			
Most Common Material:		PREVIOUSLY DUG			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		28.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558978			
Layer:		4			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		41.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558982			
Layer:		8			
Color:		7			
General Color:		RED			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		102.0			
Formation End Depth:		120.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558985			
Layer:		11			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		133.0			
Formation End Depth:		138.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		966502664			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11002683			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930737784			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		164.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930737783			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		156.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		996502664			
Pump Set At:					
Static Level:		43.0			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:		15.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		9			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933941089			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		164.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:	10454113			Tag No:	
Depth M:	49.9872			Contractor:	4725
Year Completed:	1951			Latitude:	43.5435340988015
Well Completed Dt:	10/22/1951			Longitude:	-80.5535862251
Audit No:				Y:	43.54353409816882
Path:	650\6502664.pdf			X:	-80.55358607651853
40	1 of 1	E/213.1	344.8 / 1.80	St Jacobs Meat Market 33 Northside Dr St Jacobs ON N0B 2N0	SCT
Established:					
Plant Size (ft²):					
Employment:					
<u>--Details--</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description: SIC/NAICS Code:		Animal (except Poultry) Slaughtering 311611			
41	1 of 1	ESE/220.5	325.1 / -17.97	1441 KING ST. N ST. JACOBS ON	WWIS
Well ID: 7218492		Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st: Test Hole		Data Entry Status:			
Use 2nd:		Data Src:			
Final Well Status: Test Hole		Date Received:		03/27/2014	
Water Type:		Selected Flag:		TRUE	
Casing Material:		Abandonment Rec:			
Audit No: Z183360		Contractor:		7320	
Tag: A159487		Form Version:		7	
Constructn Method:		Owner:			
Elevation (m):		County:		WATERLOO	
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:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7218492.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/03/2014			
Year Completed:		2014			
Depth (m):		10			
Latitude:		43.5407265586213			
Longitude:		-80.5540413997245			
Path:		721\7218492.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1004726300		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				17	
Code OB Desc:				East83:	
Open Hole:				536029.00	
Cluster Kind:				North83:	
Date Completed:		02/03/2014		4820961.00	
Remarks:				Org CS:	
Loc 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:		1005117203			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		7.800000190734863			
Formation End Depth:		10.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005117200			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		0.0			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005117201			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		3.0999999046325684			
Formation End Depth:		4.599999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005117202			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		4.599999904632568			
Formation End Depth:		7.800000190734863			
Formation End Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005117211			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		6.5			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005117212			
Layer:		3			
Plug From:		6.5			
Plug To:		10.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005117210			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005117209			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1005117199			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005117206			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		6.800000190734863			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005117207			
Layer:		1			
Slot:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth: 6.800000190734863 Screen End Depth: 10.0 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.099999904632568					
<u>Water Details</u>					
Water ID: 1005117205 Layer: 1 Kind Code: 8 Kind: Untested Water Found Depth: Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1005117204 Diameter: 21.0 Depth From: 0.0 Depth To: 10.0 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID: 1004726300 Depth M: 10 Year Completed: 2014 Well Completed Dt: 02/03/2014 Audit No: Z183360 Path: 721\7218492.pdf		Tag No: A159487 Contractor: 7320 Latitude: 43.5407265586213 Longitude: -80.5540413997245 Y: 43.540726558185504 X: -80.55404125118731			
42	1 of 5	SE/222.8	330.2 / -12.78	33 Front St lot 8 St Jacobs ON	WWIS
Well ID: 7418809 Construction Date: Use 1st: Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: JJ7EB84C Tag: A262316 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 05/25/2022 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 7366 Form Version: 9 Owner: County: WATERLOO Lot: 008 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1009047524 DP2BR:					
Elevation: Elevrc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:				East83:	535814.00
Code OB Desc:				North83:	4820959.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	05/05/2022			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047659			
Layer:		2			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047660			
Layer:		3			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047658			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009047737			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009047773			
Layer:		1			
Plug From:		0.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1009047580			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009047581			
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:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
42	2 of 5	SE/222.8	330.2 / -12.78	33 Front St lot 8 St Jacobs ON	WWIS
Well ID:		7418810	Flowing (Y/N):		
Construction Date:			Flow Rate:		
Use 1st:			Data Entry Status:		
Use 2nd:			Data Src:		
Final Well Status:		Observation Wells	Date Received: 05/25/2022		
Water Type:			Selected Flag: TRUE		
Casing Material:			Abandonment Rec: Yes		
Audit No:		R9D8ELPR	Contractor: 7366		
Tag:		A262317	Form Version: 9		
Constructn Method:			Owner:		
Elevation (m):			County: WATERLOO		

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:			WOOLWICH TOWNSHIP	Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	008 GCT
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Loc Method Desc: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:			1009047527	Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	 17 535813.00 4820932.00 UTM83 4 margin of error : 30 m - 100 m wwr
on Water Well Record					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:			1009047662 2 0.0 ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:			1009047663 3 0.0 ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1009047661			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009047774			
Layer:		1			
Plug From:		0.0			
Plug To:		17.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009047738			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1009047582			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009047583			
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:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	3 of 5	SE/222.8	330.2 / -12.78	33 Front St lot 8 St Jacobs ON	WWIS
Well ID: 7418811 Construction Date: Use 1st: Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: DT9VZQ64 Tag: A219107 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 05/25/2022 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 7366 Form Version: 9 Owner: County: WATERLOO Lot: 008 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1009047530 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 05/05/2022 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Elevation: Elevrc: Zone: 17 East83: 535884.00 North83: 4820953.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 1009047664 Layer: 1 Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: Formation End Depth UOM: ft					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1009047665			
Layer:		2			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047666			
Layer:		3			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009047775			
Layer:		1			
Plug From:		0.0			
Plug To:		24.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009047739			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1009047584			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009047585			
Pump Set At:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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: Pumping Duration HR: Pumping Duration MIN: Flowing:					
42	4 of 5	SE/222.8	330.2 / -12.78	33 Front St lot 8 St Jacobs ON	WWIS
Well ID: 7418812 Construction Date: Use 1st: Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: QM5GKI7I Tag: A219103 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 05/25/2022 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 7366 Form Version: 9 Owner: County: WATERLOO Lot: 008 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1009047533 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 05/05/2022 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
Elevation: Elevrc: Zone: 17 East83: 535871.00 North83: 4820945.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 1009047667 Layer: 1					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047669			
Layer:		3			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047668			
Layer:		2			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009047740			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009047776			
Layer:		1			
Plug From:		0.0			
Plug To:		21.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1009047586			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009047587			
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:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
42	5 of 5	SE/222.8	330.2 / -12.78	33 Front St lot 8 St Jacobs ON	WWIS
Well ID:	7418813			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	05/25/2022
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	F79RE2E3			Contractor:	7366
Tag:	A219101			Form Version:	9
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliabilty:				Lot:	008
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	WOOLWICH TOWNSHIP				
Site Info:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1009047536			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535886.00
Code OB Desc:				North83:	4820950.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Completed:		05/05/2022		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047670			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047672			
Layer:		3			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1009047671			
Layer:		2			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
Annular Space/Abandonment					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		1009047777			
Layer:		1			
Plug From:		0.0			
Plug To:		24.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1009047741			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1009047588			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009047589			
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:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
43	1 of 1	S/224.5	333.8 / -9.20	16 ISABELLE STREET SOUTH lot 8 ST. JOACHIM ON	WWIS
Well ID:	7297080			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Test Hole			Date Received:	10/13/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z268816			Contractor:	7320
Tag:	A234427			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliability:				Lot:	008
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:				Northing NAD83: Zone: UTM Reliability:	
		WOOLWICH TOWNSHIP			
PDF URL (Map):					
Additional Detail(s) (Map)					
Well Completed Date:		09/15/2017			
Year Completed:		2017			
Depth (m):		12.2			
Latitude:		43.5395246320166			
Longitude:		-80.5575530936364			
Path:					
Bore Hole Information					
Bore Hole ID:		1006763655		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535746.00
Code OB Desc:				North83:	4820826.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		09/15/2017		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:		1006933283			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		4.5			
Formation End Depth:		12.199999809265137			
Formation End Depth UOM:		m			
Overburden and Bedrock					
Materials Interval					
Formation ID:		1006933282			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		1.5			
Formation End Depth:		4.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006933281			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006933291			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		8.800000190734863			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006933290			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006933292			
Layer:		3			
Plug From:		8.800000190734863			
Plug To:		12.199999809265137			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006933289			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: 1006933280 Casing No: 0 Comment: Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1006933286 Layer: 1 Material: 5 Open Hole or Material: PLASTIC Depth From: 0.0 Depth To: 9.100000381469727 Casing Diameter: 5.099999904632568 Casing Diameter UOM: cm Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1006933287 Layer: 1 Slot: .01 Screen Top Depth: 9.100000381469727 Screen End Depth: 12.199999809265137 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.099999904632568					
<u>Water Details</u>					
Water ID: 1006933285 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 10.600000381469727 Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1006933284 Diameter: 21.0 Depth From: 0.0 Depth To: 12.199999809265137 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID: 1006763655 Depth M: 12.2 Year Completed: 2017 Well Completed Dt: 09/15/2017 Audit No: Z268816 Path:					
Tag No: A234427 Contractor: 7320 Latitude: 43.5395246320166 Longitude: -80.5575530936364 Y: 43.539524631045104 X: -80.55755294519297					
44	1 of 1	SE/229.8	334.6 / -8.44	lot 8 ON	WWIS
Well ID: 6502606 Flowing (Y/N):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	10/25/1960
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2519
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
Elevatn Reliabilty:				Lot:	008
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	GCT
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6502606.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		10/12/1960			
Year Completed:		1960			
Depth (m):		6.7056			
Latitude:		43.5399373401797			
Longitude:		-80.5548505225703			
Path:		650\6502606.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10454055		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	535964.10
Code OB Desc:				North83:	4820873.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:		10/12/1960		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Loc Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558578			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.0			
Formation End Depth:		1.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558580			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		13.0			
Formation End Depth:		22.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558579			
Layer:		2			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.0			
Formation End Depth:		13.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966502606			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11002625			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930737698			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		22.0			
Casing Diameter:		30.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		996502606			
Pump Set At:					
Static Level:		13.0			
Final Level After Pumping:		13.0			
Recommended Pump Depth:		13.0			
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:		9.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933941033			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		13.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:		10454055		Tag No:	
Depth M:		6.7056		Contractor:	2519
Year Completed:		1960		Latitude:	43.5399373401797
Well Completed Dt:		10/12/1960		Longitude:	-80.5548505225703
Audit No:				Y:	43.53993733940651
Path:		650\6502606.pdf		X:	-80.5548503743593
45	1 of 1	ENE/238.9	345.1 / 2.05	47 NORTHSIDE RD ST. JACOBS ON	WWIS
Well ID:		7142358		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Test Hole		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Test Hole		Date Received:	03/25/2010
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:		M05075		Contractor:	7320
Tag:		A097510		Form Version:	5
Constructn Method:				Owner:	
Elevation (m):				County:	WATERLOO
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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Municipality:		WOOLWICH TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7142358.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		03/16/2010			
Year Completed:		2010			
Depth (m):					
Latitude:		43.5443350207989			
Longitude:		-80.5534701463595			
Path:		714\7142358.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7142358.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		03/18/2010			
Year Completed:		2010			
Depth (m):		3			
Latitude:		43.5443513842647			
Longitude:		-80.553049156703			
Path:		714\7142358.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7142358.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		03/18/2010			
Year Completed:		2010			
Depth (m):					
Latitude:		43.5444512018328			
Longitude:		-80.5532464755044			
Path:		714\7142358.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1003288973	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone:		17
Code OB:			East83:		536073.00
Code OB Desc:			North83:		4821362.00
Open Hole:			Org CS:		UTM83
Cluster Kind:		This is a record from cluster log sheet	UTMRC:		4
Date Completed:		03/16/2010	UTMRC Desc:		margin of error : 30 m - 100 m
Remarks:			Location Method:		wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003288977			
Layer:					
Plug From:					
Plug To:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003288976			
Method Construction Code:					
Method Construction:					
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1003288978			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003288980			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003288979			
Layer:					
Slot:					
Screen Top Depth:		1.5			
Screen End Depth:		3.0			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1003288981			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1003288975			
Diameter:		10.0			
Depth From:					
Depth To:		3.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003288964			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	536091.00
Code OB Desc:				North83:	4821375.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	03/18/2010			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003288968				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1003288967				
Method Construction Code:					
Method Construction:					
Other Method Construction:	DIRECT PUSH				
<u>Pipe Information</u>					
Pipe ID:	1003288969				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1003288971				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	1.5				
Casing Diameter:					
Casing Diameter UOM:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003288970			
Layer:					
Slot:					
Screen Top Depth:		1.5			
Screen End Depth:		3.0			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1003288972			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003288966			
Diameter:		10.0			
Depth From:					
Depth To:		3.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002954441			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	536107.00
Code OB Desc:				North83:	4821364.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	5
Date Completed:	03/18/2010			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003288986			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		2.799999952316284			
Formation End Depth:		3.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003288984			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.30000001192092896			
Formation End Depth:		1.2000000476837158			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003288985			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		91			
Mat2 Desc:		WATER-BEARING			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.2000000476837158			
Formation End Depth:		2.799999952316284			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003288983			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.30000001192092896			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003288988			
Layer:		1			
Plug From:		0.0			
Plug To:		0.15000000596046448			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003288990			
Layer:		3			
Plug From:		1.2000000476837158			
Plug To:		3.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003288989			
Layer:		2			
Plug From:		0.15000000596046448			
Plug To:		1.2000000476837158			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003288995			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003288982			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003288993			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		1.5			
Depth To:		3.0			
Casing Diameter:		3.0999999046325684			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID: 1003288992					
Layer: 1					
Material: 5					
Open Hole or Material: PLASTIC					
Depth From: 0.0					
Depth To: 1.5					
Casing Diameter: 3.0999999046325684					
Casing Diameter UOM: cm					
Casing Depth UOM: m					
Water Details					
Water ID: 1003288991					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth:					
Water Found Depth UOM: m					
Hole Diameter					
Hole ID: 1003288987					
Diameter: 10.0					
Depth From: 0.0					
Depth To: 3.0					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
Links					
Bore Hole ID:	1002954441			Tag No:	A097510
Depth M:	3			Contractor:	7320
Year Completed:	2010			Latitude:	43.5443513842647
Well Completed Dt:	03/18/2010			Longitude:	-80.553049156703
Audit No:	M05075			Y:	43.54435138332531
Path:	714\7142358.pdf			X:	-80.55304900894006
Links					
Bore Hole ID:	1003288973			Tag No:	A097510
Depth M:				Contractor:	7320
Year Completed:	2010			Latitude:	43.5443350207989
Well Completed Dt:	03/16/2010			Longitude:	-80.5534701463595
Audit No:	M05075			Y:	43.54433502030001
Path:	714\7142358.pdf			X:	-80.55346999797813
Links					
Bore Hole ID:	1003288964			Tag No:	A097510
Depth M:				Contractor:	7320
Year Completed:	2010			Latitude:	43.5444512018328
Well Completed Dt:	03/18/2010			Longitude:	-80.5532464755044
Audit No:	M05075			Y:	43.544451201071844
Path:	714\7142358.pdf			X:	-80.55324632741402
46	1 of 1	ESE/240.2	327.6 / -15.39	ON	BORE
Borehole ID:	851834			Inclin FLG:	No
OGF ID:	215574517			SP Status:	Initial Entry

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	26-AUG-1954			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	43.541571
Total Depth m:	22.3			Longitude DD:	-80.553478
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	536074
Drill Method:	Solid stem auger			Northing:	4821055
Orig Ground Elev m:				Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	326				
Concession:					
Location D:		Highway 85, Conestogo River, St. Jacob's			
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	220428583			Mat Consistency:	
Top Depth:	4.3			Material Moisture:	
Bottom Depth:	6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silt.				
Geology Stratum ID:	220428580			Mat Consistency:	Dense
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Boulders			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Dense sand, gravel and boulders.				
Geology Stratum ID:	220428581			Mat Consistency:	
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	2.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Sandy silt.				
Geology Stratum ID:	220428582			Mat Consistency:	Dense
Top Depth:	2.7			Material Moisture:	
Bottom Depth:	4.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Dense sand and gravel.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID: 220428584 Top Depth: 6 Bottom Depth: 8.8 Material Color: Material 1: Sand Material 2: Gravel Material 3: Material 4: Gsc Material Description: Stratum Description: Dense sand and gravel. Mat Consistency: Dense					
Geology Stratum ID: 220428585 Top Depth: 8.8 Bottom Depth: 13.1 Material Color: Material 1: Clay Material 2: Boulders Material 3: Material 4: Gsc Material Description: Stratum Description: Stiff boulder clay. Mat Consistency: Stiff					
47	1 of 1	E/240.2	344.9 / 1.83	lot 36 ON	WWIS
Well ID: 6502665 Construction Date: Use 1st: Commerical Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: WOOLWICH TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 07/02/1952 Selected Flag: TRUE Abandonment Rec: Contractor: 4725 Form Version: 1 Owner: County: WATERLOO Lot: 036 Concession: Concession Name: GCT Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/650\6502665.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 03/11/1952 Year Completed: 1952 Depth (m): 51.2064 Latitude: 43.5439830879924 Longitude: -80.5532734514306 Path: 650\6502665.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 10454114 DP2BR: Spatial Status: Code OB: Elevation: Elevrc: Zone: 17 East83: 536089.10					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				North83:	4821323.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	03/11/1952			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Loc Method Desc:		Original Pre1985 UTM Rel Code 5:			margin of error : 100 m - 300 m
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932558990			
Layer:		2			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		6.0			
Formation End Depth:		14.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932558993			
Layer:		5			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		31.0			
Formation End Depth:		45.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932558998			
Layer:		10			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		131.0			
Formation End Depth:		150.0			
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:		932558997			
Layer:		9			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		125.0			
Formation End Depth:		131.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558989			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		6.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558995			
Layer:		7			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		55.0			
Formation End Depth:		110.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558999			
Layer:		11			
Color:					
General Color:					
Mat1:		26			
Most Common Material:		ROCK			
Mat2:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		150.0			
Formation End Depth:		168.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558992			
Layer:		4			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		24.0			
Formation End Depth:		31.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558996			
Layer:		8			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		110.0			
Formation End Depth:		125.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558994			
Layer:		6			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		45.0			
Formation End Depth:		55.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932558991			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		14.0			
Formation End Depth:		24.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966502665			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11002684			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930737785			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		150.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930737786			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		168.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		996502665			
Pump Set At:					
Static Level:		46.0			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:		15.0			
Flowing Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 10 Pumping Duration MIN: 0 Flowing: No					
<u>Water Details</u>					
Water ID: 933941090 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 168.0 Water Found Depth UOM: ft					
<u>Links</u>					
Bore Hole ID: 10454114 Depth M: 51.2064 Year Completed: 1952 Well Completed Dt: 03/11/1952 Audit No: Path: 650\6502665.pdf					
Tag No: Contractor: 4725 Latitude: 43.5439830879924 Longitude: -80.5532734514306 Y: 43.54398308741678 X: -80.55327330295768					
48	1 of 6	ESE/245.7	324.5 / -18.54	THE GLASS BEAD GAME 1441 King N St. Jacobs ON N0B 2N0	SCT
Established: 0000 Plant Size (ft²): 0 Employment: 0					
--Details--					
Description: Glass Product Manufacturing from Purchased Glass SIC/NAICS Code: 327215					
48	2 of 6	ESE/245.7	324.5 / -18.54	Brittles 'n More - Div. of St. Jacobs Candy Company Ltd. 1441 King St N St. Jacobs ON	SCT
Established: 1992 Plant Size (ft²): 1200 Employment: 12					
48	3 of 6	ESE/245.7	324.5 / -18.54	The Glass Bead Game 1441 King St N St. Jacobs ON	SCT
Established: 1980 Plant Size (ft²): Employment: 4					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
48	4 of 6	ESE/245.7	324.5 / -18.54	Brittles 'n More - Div. of St. Jacobs Candy Company Ltd. 1441 King St N St. Jacobs ON	SCT
Established:		1992			
Plant Size (ft²):		1200			
Employment:		12			
--Details--					
Description:		Non-Chocolate Confectionery Manufacturing			
SIC/NAICS Code:		311340			
48	5 of 6	ESE/245.7	324.5 / -18.54	Brittles 'n More 1441 King St N St Jacobs ON N0B 2N0	SCT
Established:		01-JAN-78			
Plant Size (ft²):		1050			
Employment:					
--Details--					
Description:		Non-Chocolate Confectionery Manufacturing			
SIC/NAICS Code:		311340			
Description:		Confectionery Manufacturing from Purchased Chocolate			
SIC/NAICS Code:		311330			
Description:		Non-Chocolate Confectionery Manufacturing			
SIC/NAICS Code:		311340			
48	6 of 6	ESE/245.7	324.5 / -18.54	The Glass Bead Game 1441 King St N St Jacobs ON N0B 2N0	SCT
Established:		1980			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Glass Product Manufacturing from Purchased Glass			
SIC/NAICS Code:		327215			

Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Breslau Bypass (New Roadway)	North of existing Regional Road No. 17	Woolwich ON	
CA	BRESLUBE ENTERPRISES	WOOLWICH REGIONAL RD. 17	WOOLWICH TWP. ON	
CA	CONESTOGO TURKEY FARMS LIMITED	RR #17 (KING ST.)/RR #22	WOOLWICH TWP. ON	
DTNK	509644 ONTARIO LTD WAGNERS CORNERS GAS BAR	PRT LOT 8	WOOLWICH TWP ON	P0X 1B0
ECA	The Corporation of the City of Waterloo	Albert St	Waterloo ON	N2J 4A8
ECA	The Corporation of the City of Waterloo	Albert St	Waterloo ON	N2J 4A8
PES	CALVARY UNITED CHURCH		ST. JACOBS ON	N0B 2N0
PES	CALVARY UNITED CHURCH	PO BOX 189	ST. JACOBS ON	N0B2N0
PES	CALVARY UNITED CHURCH	PO BOX 189 BOX 189	ST. JACOBS ON	N0B 2N0
SCT	Manutech Inc.		St. Jacobs ON	
SPL	Highway 85 North<UNOFFICIAL>	2 kms north of Regional Road 17	Waterloo ON	
SPL	Jackson A J Constrn Of Stratford Ltd<UNOFFICIAL>	REGION ROAD 17, BETWEEN CAMBRIDGE AND BRESLAU<UNOFFICIAL>	Waterloo ON	
SPL	PRIVATE OWNER	CONESTOGO, REGIONAL ROAD 17 AT CONESTOGO BRIDGE OVER GRAND RIVER. MOTOR VEHICLE (OPERATING FLUID)	WOOLWICH TOWNSHIP ON	
WWIS		lot 8	ON	
WWIS		lot 7	ON	
WWIS		lot 7	ON	

Unplottable Report

Site: *Breslau Bypass (New Roadway)*
North of existing Regional Road No. 17 Woolwich ON

Database:
CA

Certificate #: 7562-5ARQ5Z
Application Year: 02
Issue Date: 6/5/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Regional Municipality of Waterloo
Client Address: 150 Frederick Street
Client City: Kitchener
Client Postal Code: N2G 4J3
Project Description: This application is for the construction of storm sewers on Regional Road No. 17, from approximately 680 m south of Menno Street to approximately 1050 m North of Menno Street.
Contaminants:
Emission Control:

Site: *BRESLUBE ENTERPRISES*
WOOLWICH REGIONAL RD. 17 WOOLWICH TWP. ON

Database:
CA

Certificate #: 8-2040-86-
Application Year: 86
Issue Date: 5/22/1986
Approval Type: Industrial air
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INCINERATOR
Contaminants:
Emission Control:

Site: *CONESTOGO TURKEY FARMS LIMITED*
RR #17 (KING ST.)/RR #22 WOOLWICH TWP. ON

Database:
CA

Certificate #: 7-0389-92-
Application Year: 92
Issue Date: 5/8/1992
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *509644 ONTARIO LTD WAGNERS CORNERS GAS BAR*
PRT LOT 8 WOOLWICH TWP ON P0X 1B0

Database:
DTNK

**Delisted Expired Fuel Safety
Facilities**

Instance No:	9798271	Expired Date:	10/22/2009 11:24
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		

Site: The Corporation of the City of Waterloo
Albert St Waterloo ON N2J 4A8

Database:
ECA

Approval No:	0158-AG6HBK	MOE District:	
Approval Date:	2016-11-29	City:	
Status:	Approved	Longitude:	
Record Type:	ECA	Latitude:	
Link Source:	IDS	Geometry X:	
SWP Area Name:		Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	The Corporation of the City of Waterloo		
Address:	Albert St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3974-AFHURJ-14.pdf		
PDF Site Location:			

Site: The Corporation of the City of Waterloo
Albert St Waterloo ON N2J 4A8

Database:
ECA

Approval No:	7668-9XSNPD	MOE District:	
Approval Date:	2015-06-25	City:	
Status:	Approved	Longitude:	
Record Type:	ECA	Latitude:	
Link Source:	IDS	Geometry X:	
SWP Area Name:		Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	The Corporation of the City of Waterloo		
Address:	Albert St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1095-9XKKDC-14.pdf		

Site: CALVARY UNITED CHURCH
ST. JACOBS ON N0B 2N0

Database:
PES

Detail Licence No: 23-01-10857-0
Licence No: 10857
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class: 01
Licence Control: 0
Latitude:
Longitude:
Lot:
Concession:
Region: 2
District: 2
County: 65
Trade Name:
PDF URL:

Operator Box: 189
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region: 2
Operator District: 2
Operator County: 65
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: CALVARY UNITED CHURCH
PO BOX 189 ST. JACOBS ON N0B2N0

Database:
PES

Detail Licence No:
Licence No: 10857
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Retail Vendor Class 03
Licence Type Code: 21
Licence Class: 03
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF URL:

Operator Box: 189
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 519
Oper Phone No: 6642311
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: CALVARY UNITED CHURCH
PO BOX 189 BOX 189 ST. JACOBS ON N0B 2N0

Database:
PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:

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

County:
Trade Name:
PDF URL:

SWP Area Name:

Site: Manutech Inc.
St. Jacobs ON

Database:
SCT

Established: 1986
Plant Size (ft²):
Employment: 3

--Details--

Description: Machine Shops
SIC/NAICS Code: 332710

Description: Other Metalworking Machinery Manufacturing
SIC/NAICS Code: 333519

Site: Highway 85 North<UNOFFICIAL>
2 kms north of Regional Road 17 Waterloo ON

Database:
SPL

Ref No: 6346-6M8Q8U

Year:
Incident Dt: 2/21/2006

Dt MOE Arvl on Scn:
MOE Reported Dt: 2/21/2006

Dt Document Closed:

Site No:

Facility Name:

MOE Response:

Site County/District:

Site Geo Ref Meth:

Site District Office: Guelph

Nearest Watercourse:

Site Name: Highway 85 North<UNOFFICIAL>

Site Address: 2 kms north of Regional Road 17

Site Region:

Site Municipality: Waterloo

Site Lot:

Site Conc:

Site Geo Ref Accu:

Site Map Datum:

Northing:

Easting:

Incident Cause:

Incident Event:

Environment Impact: Possible

Nature of Impact:

Contaminant Qty: Not specified

System Facility Address:

Client Name: The Regional Municipality of Waterloo

Client Type:

Call Report Locatn Geodata:

Contaminant Code: 12

Contaminant Name: GASOLINE

Contaminant Limit 1:

Contam Limit Freq 1:

Contaminant UN No 1:

Receiving Medium:

Receiving Environment:

Incident Reason:

Incident Summary: Highway 85: MVA engine oil, antifreeze & gas to road/ditch

Activity Preceding Spill:

Property 2nd Watershed:

Property Tertiary Watershed:

Sector Type:
SAC Action Class:
Source Type: Other Motor Vehicle

Site: Jackson A J Constrn Of Stratford Ltd<UNOFFICIAL>
REGION ROAD 17, BETWEEN CAMBRIDGE AND BRESLAU<UNOFFICIAL> Waterloo ON

Database:
SPL

Ref No: 8708-5Y2QKB Municipality No:
Year: Nature of Damage:
Incident Dt: 4/14/2004 Discharger Report:
Dt MOE Arvl on Scn: Material Group: Oil
MOE Reported Dt: 4/14/2004 Health/Env Conseq:
Dt Document Closed: Agency Involved:
Site No:
Facility Name:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office: Guelph
Nearest Watercourse:
Site Name: REGION ROAD 17, BETWEEN CAMBRIDGE AND BRESLAU<UNOFFICIAL>
Site Address:
Site Region: West Central
Site Municipality: Waterloo
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Environment Impact: Possible
Nature of Impact: Soil Contamination
Contaminant Qty: 204 L
System Facility Address:
Client Name: Jackson A J Constrn Of Stratford Ltd<UNOFFICIAL>
Client Type:
Call Report Locatn Geodata:
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Land
Receiving Environment:
Incident Reason: Equipment Failure
Incident Summary: Jackson Trucking,204 L hydraulic oil rd stain,Reg.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Transport Truck
SAC Action Class: Spill to Land
Source Type:

Site: PRIVATE OWNER
CONESTOGO, REGIONAL ROAD 17 AT CONESTOGO BRIDGE OVER GRAND RIVER. MOTOR VEHICLE
(OPERATING FLUID) WOOLWICH TOWNSHIP ON

Database:
SPL

Ref No: 105528 Municipality No: 25604
Year: Nature of Damage:
Incident Dt: 9/22/1994 Discharger Report:
Dt MOE Arvl on Scn: Material Group:
MOE Reported Dt: 9/22/1994 Health/Env Conseq:
Dt Document Closed: Agency Involved: WATERLOO REGION,FD,MOEE
Site No:

Facility Name:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: WOOLWICH TOWNSHIP
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Event:
Environment Impact: POSSIBLE
Nature of Impact: Multi Media Pollution
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Call Report Locatn Geodata:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Receiving Environment:
Incident Reason: ERROR
Incident Summary: PRIVATE OWNER-20 L GAS TOGROUND AT CONESTOGO BRIDGE AT GRAND RIVER.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Source Type:

Site: **lot 8 ON** **Database:** **WWIS**

Well ID:	6509414	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:		Data Src:	1
Final Well Status:	Water Supply	Date Received:	08/05/2003
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	261706	Contractor:	1737
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	WATERLOO
Elevatn Reliabilty:		Lot:	008
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	CTGEBF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	WOOLWICH TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10547955	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	05/16/2003	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID:	932939552
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	45.0
Formation End Depth:	51.0
Formation End Depth UOM:	ft

Overburden and Bedrock
Materials Interval

Formation ID:	932939555
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	116.0
Formation End Depth:	140.0
Formation End Depth UOM:	ft

Overburden and Bedrock
Materials Interval

Formation ID:	932939554
Layer:	5
Color:	1
General Color:	WHITE
Mat1:	17
Most Common Material:	SHALE
Mat2:	15
Mat2 Desc:	LIMESTONE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97.0

Formation End Depth: 116.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932939550
Layer: 1
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932939551
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 23.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932939553
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 29
Mat3 Desc: FINE GRAVEL
Formation Top Depth: 51.0
Formation End Depth: 97.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933244616
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933244617
Layer: 2
Plug From: 20.0
Plug To: 120.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966509414
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11096525
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930746404
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930746403
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

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 996509414
Pump Set At:
Static Level: -1.0
Final Level After Pumping: 65.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 30
Flowing: Yes

Draw Down & Recovery

Pump Test Detail ID: 934349498
Test Type: Recovery
Test Duration: 15
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934862749
Test Type: Recovery
Test Duration: 45
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935127101
Test Type: Recovery
Test Duration: 60
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934608512
Test Type: Recovery
Test Duration: 30
Test Level: 12.0
Test Level UOM: ft

Water Details

Water ID: 934041913
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 139.0
Water Found Depth UOM: ft

Water Details

Water ID: 934041911
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 121.0
Water Found Depth UOM: ft

Water Details

Water ID: 934041912
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 134.0
Water Found Depth UOM: ft

Site:

lot 7 ON

Database:
WWIS

Well ID:	6508912	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:		Data Src:	1
Final Well Status:	Water Supply	Date Received:	09/11/2001
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	234176	Contractor:	7146
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	WATERLOO
Elevatn Reliabilty:		Lot:	007
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	GCT
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	WOOLWICH TOWNSHIP (WATERLOO TWP)		
Site Info:			

Bore Hole Information

Bore Hole ID:	10522708	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	09/11/2001	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932853429
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932853432
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05

Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 110.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932853433
Layer: 5
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 110.0
Formation End Depth: 137.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932853435
Layer: 7
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 146.0
Formation End Depth: 155.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932853430
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 20.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932853434
Layer: 6

Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 137.0
Formation End Depth: 146.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932853431
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 966508912
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11071278
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930745825
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

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 996508912
Pump Set At:
Static Level: 50.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 90.0
Pumping Rate:

Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934607454
Test Type:
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935126477
Test Type:
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934347864
Test Type:
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934861706
Test Type:
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 934015164
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 155.0
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID: 6505929
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 02321
Tag:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/13/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2801
Form Version: 1

Constructn Method:		Owner:	
Elevation (m):		County:	WATERLOO
Elevatn Reliability:		Lot:	007
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	CON
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	WATERLOO CITY (WATERLOO TWP)		
Site Info:			

Bore Hole Information

Bore Hole ID:	10457181	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	04/17/1986	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	932575712
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	932575717
Layer:	7
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	109.0
Formation End Depth:	119.0
Formation End Depth UOM:	ft

Overburden and Bedrock
Materials Interval

Formation ID: 932575714
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 85.0
Formation End Depth: 87.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932575713
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932575715
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 87.0
Formation End Depth: 108.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932575711
Layer: 1
Color:
General Color:
Mat1: 06
Most Common Material: SILT
Mat2: 84
Mat2 Desc: SILTY
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 0.0
Formation End Depth: 32.0

Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932575716
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 108.0
Formation End Depth: 109.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 966505929
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11005751
Casing No: 1
Comment:
Alt Name:

Site:
lot 7 ON

Database:
[WWIS](#)

Well ID: 6508026
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 162893
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: WOOLWICH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/21/1996
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1737
Form Version: 1
Owner:
County: WATERLOO
Lot: 007
Concession:
Concession Name: CTGEBF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10459228
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Elevation:
Elevrc:
Zone: 17
East83:
North83:

Open Hole:
Cluster Kind:
Date Completed: 11/07/1996
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
UTMRC:
UTMRC Desc:
Location Method: 9
unknown UTM
na

Overburden and Bedrock
Materials Interval

Formation ID: 932586310
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 110.0
Formation End Depth: 132.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932586311
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3:
Mat3 Desc:
Formation Top Depth: 132.0
Formation End Depth: 140.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932586308
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 7.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932586309
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 16.0
Formation End Depth: 110.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932586307
Layer: 1
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 966508026
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11007798
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930744652
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 140.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930744651
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 135.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 996508026
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 55.0
Recommended Pump Depth: 55.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 12.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935124286
Test Type: Recovery
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934345575
Test Type: Recovery
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934859514
Test Type: Recovery
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934605208
Test Type: Recovery
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933946501
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 137.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

The Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Oct 2022

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Oct 31, 2023

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2021

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

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

Government Publication Date: 1999-Oct 31, 2023

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Aug 2023

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Sep 2023

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Sep 30, 2023

Drill Hole Database:

Provincial

[DRL](#)

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

Government Publication Date: 1886 - Oct 2022

Delisted Fuel Tanks:

Provincial

[DTNK](#)

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

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011- Sep 30, 2023

Environmental Registry:

Provincial

[EBR](#)

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

Government Publication Date: 1994 - Sep 30, 2023

Environmental Compliance Approval:

Provincial

[ECA](#)

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

Government Publication Date: Oct 2011- Sep 30, 2023

Environmental Effects Monitoring:

Federal

[EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

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

Government Publication Date: 1999-Sep 30, 2023

Environmental Issues Inventory System:

Federal

[EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by 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, 2022

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

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

Government Publication Date: Feb 28, 2022

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Jun 2023

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial

FST

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

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

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2020

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing 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: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2023

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2021

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Oct 2022

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

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

Federal

[NPCB](#)

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

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

Federal

[NPR2](#)

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

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

Federal

[NPRI](#)

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

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

Private

[OGWE](#)

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

Government Publication Date: 1988-Aug 31, 2023**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

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

Government Publication Date: 1800-Aug 2023**Inventory of PCB Storage Sites:**

Provincial

[OPCB](#)

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

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

Provincial

[ORD](#)

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

Government Publication Date: 1994 - Sep 30, 2023

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

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

Government Publication Date: Oct 2011- Sep 30, 2023

NPRI Reporters - PFAS Substances:

Federal

[PFCH](#)

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

Government Publication Date: Sep 2020

Potential PFAS 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

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 - Sep 30, 2023

Ontario Regulation 347 Waste Receivers Summary:

Provincial

[REC](#)

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial

[RSC](#)

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

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

Retail Fuel Storage Tanks:

Private

[RST](#)

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

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory:

Private

[SCT](#)

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

[SPL](#)

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

Government Publication Date: 1988-Dec 2021; see description

Wastewater Discharger Registration Database:

Provincial

[SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private

[TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

[TCFT](#)

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

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011-Sep 30, 2023

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

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

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX D – Qualifications of Site Assessors

QUALIFICATIONS OF SITE ASSESSORS

Troy Jones, CRSP

Troy Jones has over 18 years of experience in environmental and health & safety consulting. He has worked on environmental projects across Canada and internationally. Troy's extensive experience includes Phase I and II Environmental Site Assessments (ESAs), soil and groundwater remediation, Hazardous Materials Surveys, mould assessments, and asbestos abatement. He is a solution-focused consultant and has conducted client work on several types of commercial and industrial properties for the purposes of due diligence, disposition, demolition, and brownfield rehabilitation.

Troy is certified as a Canadian Registered Safety Professional (CRSP) with the Board of Canadian Registered Safety Professionals.

Troy conducted the Site visit, background research, historical reviews, interview, and prepared the Phase I ESA the report.

Matthew Huson, P.Geo., QP

Matthew Huson is an Environmental Geoscientist with over 10 years of professional experience and is currently a practising Professional Geoscientist in the Province of Ontario. Mr. Huson has conducted a wide variety of projects including Phase I and II ESAs, Hazardous Materials Surveys, Risk Assessments, and soil and groundwater remediation programs at many different types of properties across Canada and the United States, ranging from high density commercial office buildings to large scale industrial manufacturing plants. Mr. Huson has working knowledge of provincial and federal regulations, and many past projects has required the integration of multiple disciplines such geology, hydrogeology, and environmental chemistry to provide positive outcomes for both clients and regulators alike.

Matt reviewed the Phase I ESA report.

APPENDIX E – Statement of Limitations

STATEMENT OF LIMITATIONS

Conclusions and recommendations contained in this assessment were developed in accordance with currently accepted engineering standards and practices. A Phase I Environmental Site Assessment (ESA) is conducted to permit formulation of an opinion as to the potential for environmental risks associated with a property.

A reconnaissance of the Site was performed on November 20, 2023 to document conditions as viewed on the day of assessment. The reconnaissance focused on areas where the presence of environmental risks associated with the subject property was deemed more likely. The assessment was partly based on information from various sources of which the accuracy has not been verified, and because observations made during the Site reconnaissance are limited as provided above, this report does not guarantee that the Site is free of hazardous or potentially hazardous material or conditions, or that latent or undiscovered conditions will not become evident in the future. Since activities at the subject property are beyond the control of Premier Environmental Services Inc. (Premier) and can change at any time after the completion of this assessment, the observations, findings, and opinions can be considered valid as of the date hereof.

The scope of this report is limited to the matters expressly covered. This report is prepared for the sole benefit of Polocorp Inc. (the Client) and may not be relied upon by any other person or entity without written authorization of Premier. The scope of services performed in the execution of this investigation may not be appropriate to satisfy the needs of others, and any use or re-use of this document or the findings, conclusions, or recommendations represented herein is at the sole risk of said users.