

**Phase I Environmental Site Assessment
211 Eliza Street & 8014 Wellington Road 109
Arthur, Ontario**

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EXECUTIVE SUMMARY

A & A Environmental Consultants Inc. (A&A) was retained by Sarah Properties Ltd. (the client) to conduct a due diligence Phase I Environmental Site Assessment (ESA) for a property located at 211 Eliza Street and 8014 Wellington Road 109, Arthur, Ontario. This investigation was conducted in accordance with Canadian Standards CSA Z-768-01 (R2022). There is no relationship between the client and A&A other than third party independent assessor. The site is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area. Access to the site is from Eliza Street to the west and Wellington Road 109 to the south.

The topography of the subject site varied, with a general steep slope observed to the southwest, with the eastern part of the site sloping to the east, both of which lead to Brandy Creek. The subject site is recorded as being approximately 462 meters above sea level (masl) on the topographic map, with the surrounding subject study area sloping from approximately 468 masl in the southeast to 445 masl in the west. Surface water drainage on site is expected to infiltrate the ground and flow towards Brandy Creek. Within the greater subject study area, groundwater is inferred to flow west along Brandy Creek towards the Conestoga River.

The records obtained from EcoLog ERIS, aerial photographs, Fire Insurance Plans (FIPs) and other materials searched, along with the site inspection, did not identify any Potentially Contaminating Activities (PCAs) on the subject site or within the subject study area that would create Areas of Potential Environmental Concern (APECs) on the subject site.

Based on the obtained records, no additional environmental investigation is recommended for the subject site at this time.

1.0 INTRODUCTION

A & A Environmental Consultants Inc. (A&A) was retained by Sarah Properties Ltd. (the client) to conduct a due diligence Phase I Environmental Site Assessment (ESA) for a property located at 211 Eliza Street and 8014 Wellington Road 109, Arthur, Ontario (Figure 1). The site is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area. Access to the site is from Eliza Street to the west and Wellington Road 109 to the south. The subject study area is defined as a 250 m radius of the subject site. At this proximity, the characteristics of these sites may influence the subject site. A&A was retained to provide an evaluation of known and possible environmental issues at the subject site.

1.1 Scope of Work

The scope of work included the following where applicable:

- Perform a site history investigation to establish the previous uses of the property. The site history study will be conducted by interviewing knowledgeable persons, searching the records as far back as the available records allow. This will include a search at the Land Titles Office and contact with the Ministry of Environment, Conservation and Parks (MECP). An Environmental Risk Information Services (ERIS) report will be requested which examines over fifty government and private databases for environmental issues related to the site;
- Perform a visual/olfactory inspection of the property including the interior of any buildings to look for signs of environmental issues such as oil-stains, asbestos-containing materials, etc.;
- Determination of the current activities at the site;
- Identification of all hazardous materials used and wastes produced;
- Confirmation of any activities that require environmental permits, or are otherwise covered by environmental legislation and regulations;
- Determination of the existence of environmental orders and compliance with environmental provision of a reasonable conclusion regarding the environmental condition of the site;

- Development of recommendations for follow-up investigations, if needed.

This Phase I ESA was performed in accordance with the substance and intent of the Phase I ESA guideline document CSA Z768-01 (R2022). As such, this report is based on visual observations made during the site visit, interviews with persons familiar with the property, and a review of the historical records concerning the current and past use of the property. The ESA did not include any soil or groundwater analysis and is not intended to be a definitive investigation of any contamination or other environmental concerns at the property. The conclusions presented in this report represent our professional opinion, in light of the terms of reference, scope of work, and any limiting conditions noted herein.

1.2 Changes to Scope of Work

No changes were made to the scope of work.

2.0 NATURAL CHARACTERISTICS OF THE SITE

2.1 Description of Subject Site

The subject site is composed of two parcels of land (Table 1 and Table 2) on the east side of Eliza Street and north of Wellington Road. It is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area (Figure 2). The site is in a semi-rural area of Arthur with residential land to the north, a school to the west, and agricultural land to the east and south. South of the site also includes some commercial businesses. A photographic record of the subject site is included in Appendix B.

Table 1 – Parcel #1

Municipal Address	211 Eliza Street, Arthur, Ontario
Legal Description	PT LT 1 CON 1 WEST LUTHER AS IN EN6455 EXCEPT EN675; TOWNSHIP OF WELLINGTON NORTH
Site Zoning	Zoned R1C—Low Density Residential/FD—Future Development
PIN	71104-0212 (LT) crated on 2000/08/28
Area	153,997 m ²
UTM (NAD 83)	Zone 17T; 538150 m Easting and 4853183 m Northing
Owner	Sarah Properties Ltd.
Client	Sarah Properties Ltd.

Table 2 – Parcel #2

Municipal Address	8014 Wellington Road 109, Arthur, Ontario
Legal Description	PT LT 1 CON 1 WEST LUTHER PT 1, 60R1952; WELLINGTON NORTH
Site Zoning	Zoned R1C—Low Density Residential/FD—Future Development
PIN	71104-0213 (LT) crated on 2000/08/28
Area	24,020 m ²
UTM (NAD 83)	Zone 17T; 537888 m Easting and 4853008 m Northing
Owner	Sarah Properties Ltd.
Client	Sarah Properties Ltd.

2.2 Topographic Setting

The topography of the subject site varied, with a general steep slope observed to the southwest, with the eastern part of the site sloping to the east, both of which lead to Brandy Creek. The subject site is recorded as being approximately 462 masl on the topographic map (Figure 3), with the surrounding subject study area sloping from approximately 468 masl in the southeast to 445 masl in the west. Surface water drainage on site is expected to infiltrate the ground and flow towards Brandy Creek. Within the greater subject study area, groundwater is inferred to flow west along Brandy Creek towards the Conestoga River.

2.3 Geologic Setting

The surface deposit in this region, like all of Ontario, was once covered by massive glaciers during the late Wisconsin glacial period. The grinding action of the moving ice masses produced a considerable amount of rock materials, ranging in size from boulders to rock flour which was distributed over the landscape.

The Ministry of Northern Development Mines and Forestry offers a feature for Google Earth™ that maps various geological types for Ontario:

- The “Paleozoic Geology of Southern Ontario” identifies the site to be within the Salina formation characterized by dolostone, shale, and evaporites.
- The “Physiography of Southern Ontario” identifies the site to be Till Plains (undrumlined) within the Stratford Till Plain region.
- The “Quaternary Geology” identifies the site as being within Tavistock Till deposits characterized by sandy silt to silt matrix, silty clay in the south and north, and moderate to high carbonate content. Clast content decreases from moderate to poor northwards.
- The “Surficial Geology” identifies the site as clay to silt-textured till derived from glaciolacustrine deposits or shale.

2.4 Surface Water / Drainage

The subject site had variable sloping, with a general steep slope observed to the southwest, with the eastern part of the site sloping to the east, both of which lead to Brandy Creek. Brandy Creek runs south near the eastern site boundary, and crosses Wellington Road 109 before it turns west and follows Wellington Road 109, where it turns northwest and crosses back across Wellington Road 109 and passes near the southwest area of the site.

2.5 Hydrogeological Setting

Groundwater and surface water are expected to flow toward the natural slope of the ground surface. Although the surface topography typically has great influence on the groundwater flow, it has been observed in several areas that bedrock topography also has a significant influence on the flow, in some cases more so than surface topography. In the latter case, this is believed to be due to relatively impermeable bedrock underlying a much more permeable sand overburden. Groundwater flow direction can only be confirmed with the measurement of groundwater elevation on site. Groundwater flow measurement is beyond the scope of this investigation. Within the greater subject study area, groundwater is inferred to flow west towards Brandy Creek.

2.6 Vegetation / Biology

Tall grasses were observed on the western vacant portion of the site. Trees, grass, and shrubs were observed around the site's perimeter. Observed vegetation did not appear stressed.

2.7 Neighbouring Properties

The subject site is located on the east side of Eliza Street at 211 Eliza Street, and north side of Wellington Road 109, Arthur, Ontario. Surrounding properties consist of:

- To the north: a senior home and residences;
- To the east: Brandy Creek, followed by agricultural land and residences;
- To the south: Wellington Road 109, followed by agricultural land;
- To the west: a school and residences.

No PCAs creating APECs on the subject site were identified on the neighbouring properties.

3.0 HISTORICAL REVIEW

3.1 Area Background

The following information was obtained from the Township of Wellington North's website.

<https://www.wellington-north.com/community/history/former-village-arthur>

The former Village of Arthur was named after Arthur Wellesley, who became the Duke of Wellington. The Village of Arthur was first surveyed in 1841 by John McDonald and then officially in 1846 by D.B. Papineau. The establishment of saw and gristmills sparked growth in the community. In 1851, a post office was opened and the first church and school were organized. Development was further encouraged in 1872 when a station of the Toronto, Grey and Bruce Railway was opened.

The Township of Wellington North was formed in 1999 with the amalgamation of the Town of Mount Forest, the Village of Arthur, the Townships of West Luther and Arthur, as well some of the outlying areas in the Townships of Peel and West Garafraxa. Stretching over 526 square kilometres, it is now home to over 12,500 people. Wellington North is expected to grow to approximately 20,500 people by 2051 (an increase of more than 64%).

3.2 Land Title Search

The Land Title for the PINs 71104-0212 (LT) and 71104-0213 (LT) were received from Service Ontario (Appendix C). The land titles search provided us with limited information regarding the historical ownership of the site. On August 4, 2020, the 71104-0212 parcel was transferred from Roker Farms Inc. to Sarah Properties Ltd., while 71101-0213 was transferred from Yuyu Li to Sarah Properties Ltd. on March 25, 2024.

3.3 ERIS Report (Environmental Risk Information Services Ltd.)

An ERIS report was obtained for the subject site which included a review of all other potential contaminant sources within the subject study area. EcoLog Environmental Risk Information Services Ltd. has searched the databases back to the mid-1980s. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update. The full ERIS report is attached in Appendix D. The

ERIS report identified five records for the subject site itself, as well as thirty records within the subject study area, which are summarized in Table 3 below.

Table 3 – Summary of ERIS Records

Type of Record	# of Records	Comment
Records on the Subject Site		
Water Well Information System WWIS	5	This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. These records are not considered PCAs.
Records within 0.25km of the Subject Site		
Borehole BORE	4	This database provides information on geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. These records are not considered PCAs.
Delisted Fuel Tanks DTNK	7	This database provides a 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. From 1999-2013, Pioneer Energy Management Inc., located at 8006 Wellington Rd 109, was listed as a gasoline station. These records are considered a PCA; however, it is located down gradient from the subject site and separated from the subject site by Brandy Creek, therefore it is not expected to create an APEC on the subject site.
Fuel Storage Tank – Historic FSTH	1	This database maintains a list of all registered private fuel storage tanks. Since 2003, Pioneer Petroleum Management Inc., located at 8006 Wellington Rd 109, is registered as a retail fuel outlet with five liquid fuel single wall USTs on site. This record is considered a PCA; however, it is located down gradient from the subject site and separated from the subject site by Brandy Creek, therefore it is not expected to create an APEC on the subject site.
Ontario Regulation 347 Waste Generators Summary GEN	6	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. An Upper Grand District School Board facility located at 141 Eliza St. is listed as an elementary/high school generating laboratory chemicals, light fuels, and waste compressed gases. This record is not considered a PCA that would impact the subject site.

Type of Record	# of Records	Comment
		<p>From 2018-2022, a dental office located at 231 Eliza St. is listed as a generator of pathological wastes. This record is not considered a PCA that would impact the subject site.</p> <p>In 2021, Parkland Corporation, located at 8006 Wellington Rd 109, is listed as a generator of light fuels. This record is considered a PCA; however, due to topography and the fact that this site is located down-gradient from the subject site, no APEC is created on the subject site.</p>
Retail Fuel Storage Tanks RST	5	<p>This database contains 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.</p> <p>Pioneer Energy, located at 8006 Wellington Rd., is listed as a gasoline, oil and natural gas service station. These records are considered a PCA; however, it is located down gradient from the subject site and separated from the subject site by Brandy Creek, therefore it is not expected to create an APEC on the subject site.</p>
Water Well Information System WWIS	7	<p>This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. These records are not considered PCAs.</p>

The records obtained from EcoLog ERIS identified five records on the subject site as well as thirty records within the subject study area. No PCAs creating APECs on the subject site were identified from the ERIS records.

3.4 City Directory

A request was made to EcoLog ERIS to perform a city directory search for the subject site. The provided city directory spans the years of 2012-2023 (Appendix D). The subject site is not listed in any of the provided directories. Nearby properties are listed are a mix of residential and commercial, including a care home, dental offices, and restaurants. The previously identified gas station is also listed, which is considered to be a PCA, however it is located down gradient from the subject site and separated from the subject site by Brandy Creek, therefore it is not expected to create an APEC on the subject site.

3.5 Historical Aerial Photographs

Historical aerial photographs in the area of the subject site were ordered and are described in Table 4 and attached in Appendix E. A residence was identified in these photographs which is no longer present on site. No PCAs creating APECs on the site were identified from the aerials.

Table 4 – Historical Aerial Photographs

Date	Scale	Subject Site	North	East	South	West
1954	1:10,000	The site appears agricultural with a residence on the western site area, with a path leading off of Eliza Street. A creek can be seen near the southwest corner area	Agricultural	Agricultural long with a creek	Agricultural	Institutional
1969	1:10,000	The site appears agricultural with two inferred residences on the western site area, with a path leading off of Eliza Street. A creek can be seen near the southwest corner area	Agricultural	Agricultural long with a creek	Agricultural	Institutional
1980	1:10,000	The site appears agricultural with two inferred residences on the western site area, with a path leading off of Eliza Street. A creek can be seen near the southwest corner area	Agricultural	Agricultural long with a creek	Inferred residential	Institutional

3.6 Fire Insurance Plans

Fire insurance plans (FIPs) that cover the subject site were requested from Opta as part of the ERIS records search. No FIPs depicting the subject site were found, however, FIPs from 1899 and 1936 were obtained, both showing properties on the western side of Eliza Street. A school identified in ERIS records is observed on both FIPs. A service station is shown on the 1936 FIP on the corner of George Street and Catherine Street, southwest of the subject site. This is considered a PCA; however, it is far enough away from the subject site and down-gradient, therefore no APEC is created on the subject site.

3.7 Previous Environmental Assessments

No previous environmental reports for the subject property were provided to A&A.

3.8 Conclusions from Records Review

The records obtained from EcoLog ERIS, aerial photographs, FIPs, and other materials searched did not identify any PCAs on the subject site or within the subject study area that would create APECs on the subject site.

4.0 REGULATORY INFORMATION

4.1 The Ministry of the Environment, Conservation, and Parks (MECP)

The MECP no longer responds to enquiries regarding site investigations but refers the enquirer to apply online under the Freedom of Information Act (FOI). A response from the MECP reported that there are no records in the current database regarding the subject site (Appendix F).

4.2 MECP Water Well Information System (WWIS)

The well records were ordered on November 26, 2024 and showed 38 wells within a 500 m radius of the subject site, with the following uses: two commercial wells, ten domestic wells, one domestic/livestock well, two monitoring wells, eleven monitoring/test holes, and twelve wells with no use listed (Appendix F).

4.3 Technical Standards and Safety Authority (TSSA)

The TSSA was contacted for information on any fuel records relevant to 211 Eliza Street, and 8014 Wellington Road 109, Arthur, Ontario. The TSSA Public Information & Records Agent reported that there are no records in the current TSSA database of any fuel storage tanks at the subject address (Appendix F).

5.0 INTERVIEWS WITH KNOWLEDGEABLE PERSONS

No knowledgeable persons were available for interview at the time of the site visit.

6.0 CURRENT SITE USES AND OPERATIONS

The site inspection was carried out on December 2, 2024 by Jason Allen, consultant for A&A. The site is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area. The weather was -3 degrees and clear at the time the site inspection was conducted. The site was snow covered at the time of the site inspection.

6.1 Property Use and Site Services Available

The subject site is an irregularly shaped property with an approximate area of 178,017 m². The site is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area. The majority of the property is covered in tall vegetation. An asphalt path leads from Eliza Street to the western portion of the subject site. A ditch was observed along the western site boundary. Historically, the site appears to have been mostly agricultural, however, at least one residence appears to have been present on site from at least 1954. The site is currently owned by Sarah Properties Ltd. The residence on site appeared to be vacant.

6.2 Yard Areas

Tall vegetation was observed throughout the subject site. An asphalt path was observed on the western portion of site, inferred to be a driveway from the former residence. A second driveway was noted to the residence in the southwest area. Vegetation was covered in snow. No transformers were observed on site. No visual signs of penetrating oil-stains or unusual odours were observed.

6.3 Buildings on Site

The site is mostly vacant agricultural field, however, a detached residential dwelling that appeared to be vacant was present in the southwest area.

6.3.1 Trailers/sheds on Site

No trailers or sheds were observed on site.

6.4 Hazardous Materials on Site

A visual inspection and a walkthrough showed no evidence of hazardous materials on site.

6.5 Unidentified Substances on Site

No unidentifiable substances were observed on site.

6.6 Underground Storage Tanks (USTs) on Site

The TSSA was contacted on November 26, 2024 for information on any fuel records relevant to the subject site. The TSSA Public Information & Records Agent reported that there are no records in the current TSSA database of any fuel storage tanks at the subject address. No evidence of USTs being present on the site was observed.

6.7 Above-ground Storage Tanks (ASTs) on Site

No ASTs were observed on site.

6.8 Storage Containers on Site

No storage containers were observed on site.

6.9 Stains and Odours on Site

No odour was detected while conducting the site walkthrough, nor was any staining observed.

6.10 Potable Water Supply on Site

The site is within a well head protection area; therefore, the groundwater is considered to be potable.

6.11 Drains and Sumps

No drains or sumps were observed on site.

6.12 Wastes

No wastes are produced.

6.13 Fill Materials

Fill may have been present during the initial development of the site. No evidence of recent fill was observed during the site visit.

6.14 Stressed Vegetation

The site was covered in snow at the time of the site inspection.

6.15 Designated Substances

6.15.1 Suspected Acrylonitrile

Acrylonitrile was not used in the operation of the site; no evidence of acrylonitrile was observed.

6.15.2 Suspected Arsenic

Arsenic was not used in the operation of the site; no evidence of arsenic was observed.

6.15.3 Suspected Asbestos-Containing Materials (ACMs)

Asbestos was commonly used in building materials such as wallboard plaster, ceiling and floor tiles, roofing, siding, boiler insulation and pipe insulation throughout most of the 20th century until it was essentially banned in the mid-1980s. Ontario Regulation 278/05 (November 2005) requires that all renovations on buildings constructed prior to 1988 undergo an asbestos assessment and if ACM's are found they should either be removed by adequately trained personnel or managed under an asbestos management plan. Based on the inferred age of the residential dwelling, a DSS may be required prior to any major renovation or demolition.

6.15.4 Suspected Benzene

Benzene was not used in the operation of the site; no evidence of benzene was observed.

6.15.5 Suspected Coke Oven Emissions

Coke oven emissions were not indicated in the historical operation of the site, no evidence of coke oven emissions was observed.

6.15.6 Suspected Electromagnetic Radiation

No electromagnetic radiation contamination was anticipated based on the site and area history. No testing for electromagnetic radiation was conducted.

6.15.7 Suspected Ethylene Oxide

Ethylene oxide was not used in the operation of the site, no evidence of ethylene oxide was observed.

6.15.8 Suspected Isocyanates

Isocyanates were not used in the operation of the site; no evidence of isocyanates was observed.

6.15.9 Lead-Based Paint

Lead was historically used in oil-based paints (as a pigmentation and drying agent, especially white and pastel shades, some paints contain as much as 50 percent lead by weight), roofing materials, cornice, tank linings, electrical conduits and soft solder for tin-plate and plumbing. The use of lead-based paints was phased out, circa 1976. In 1976, federal government regulations limited the amount of lead in interior paint to 0.5 percent by weight. Exterior paint may contain more lead but must be labelled with warning signs. Depending on the age of paint, the lead level may be very high. In paints that were produced or used prior to 1980, the interior or exterior paint may contain small amounts of lead.

The potential for exposure to lead based paints and dust associated with the deterioration or removal of lead-based paint is considered a health hazard. Based on the inferred age of the residential dwelling, a DSS may be required prior to any major renovation or demolition

6.15.10 Suspected Mercury

A search for mercury containing switches and electrical equipment was conducted. It is good practice to take precautions to prevent mercury vapours from becoming airborne during building renovation and demolition. Exposure to airborne mercury is regulated under R.R.O. 1990, Reg. 844 amended by O. Reg. 110/04, Regulation Respecting Mercury – made under the *Occupational Health and Safety Act*. Mercury waste must be handled and disposed of according to Ontario

Regulation 347, as amended by O. Reg. 102/07, and may be subject to Leachate Criteria (Schedule 4). No mercury containing switches or electrical equipment was observed during the site inspection.

6.15.11 Suspected Mould and Biological Hazards

During the site visit, no visible mould growth was observed. No indoor air quality sampling for mould spores was conducted. If mould is encountered, it should be remediated in accordance with EACO Mould Abatement Guidelines of 2013.

6.15.12 Suspected Ozone Depleting Substance (ODS)

Ontario Regulation 463/10 made under the Environmental Protection Act indicates no person shall discharge, make, use, sell, transfer, display, transport, store or dispose of a class 1 ozone depleting substance. No person shall service or test refrigeration equipment that contains a refrigerant unless the person is certified as per Ontario Regulation 463/10 *Ozone Depleting Substances and Other Halocarbons*.

No major cooling system was observed. ODS is not a concern.

6.15.13 Polychlorinated Biphenyls (PCB) Risk on Site

Polychlorinated biphenyls, more commonly referred to as PCBs, are typically found in transformer and other electrical equipment containing insulating fluids. By definition, PCB liquid, soil and equipment materials contain more than 50 ppm PCBs. Material containing less than 50 ppm PCB concentration is not classified as PCB waste under current provincial and federal regulations. The management of PCB waste is regulated by Waste Management – PCBs Regulation, Ontario Regulation 362. The use of PCBs in electrical equipment was reduced drastically in the early 1970s and has been banned since 1977. However, light ballasts manufactured prior to 1977 many contain PCBs. No suspected PCB containing materials were observed on the site.

6.15.13.1 Electrical Transformers

No transformers were observed on site.

6.15.14 Radon

Radon is a radioactive, colourless, odourless, tasteless noble gas, occurring naturally as an indirect decay product of uranium or thorium. Radon is one of the densest substances that remains a gas under normal conditions. It is also the only gas under normal conditions that only has radioactive isotopes and is considered a health hazard due to its radioactivity. Intense radioactivity has also hindered chemical studies of radon and only a few compounds are known.

Radon is formed as one intermediate step in the normal radioactive decay chains through which thorium and uranium slowly decay into lead. Thorium and uranium are the two most common radioactive elements on earth; they have been around since the earth was formed. Their naturally occurring isotopes have very long half-lives, on the order of billions of years. Thorium and uranium, their decay product radium, and its decay product radon, will therefore continue to occur for tens of millions of years at almost the same concentrations as they do now. As radon itself decays, it produces new radioactive elements called radon daughters or decay products. Unlike the gaseous radon itself, radon daughters are solids and stick to surfaces, such as dust particles in the air. If such contaminated dust is inhaled, these particles can stick to the airways of the lung and increase the risk of developing lung cancer.

In 2009, Health Canada conducted a two-year study of radon concentrations in homes across Canada. This study found that:

- Approximately 7% of homes have high levels of radon;
- Radon levels vary significantly across the country;
- There are no areas of the country that are 'radon free,' but there are areas of the country where high levels of indoor radon are more prevalent.

Radon is heavier than air; it may enter sub-surface building space through crack or joint openings. The Ontario Building Code identifies some areas in Ontario to be susceptible to radon impact. These areas are Elliot Lake, Townships of Faraday in Hastings County and the Township of Hyman in Sudbury District.

The Wellington-Dufferin-Guelph Health Unit (Region #3566) conducted a radon survey in 92 homes within their Health Region. Of the 92 homes surveyed, 89.1% were below the 200 Bq/m³ standards for radon with 10.9% above this standard. This classifies the radon zone for this area as high.

6.15.15 Suspected Respirable Silica

Respirable silica was not generated during the operation of the site. Common construction sand contains crystalline silica and may also be found in ceiling tiles, concrete products and other building materials. These are typically found throughout building structures. Disturbance of materials containing silica may occur during renovation of walls and is regulated under Ontario Regulation 845/90, *Designated Substance – Silica* made under the Ontario *Occupational Health and Safety Act*. Safe renovations can be accomplished through proper work practices including; wetting surfaces as well as providing washing facilities and proper respiratory protection. The procedures in the MOL document *Guideline – Silica on Construction Projects* (2004) provide a standard for the handling of potentially silica containing material. No buildings are currently on the site

6.15.16 Other Suspected Designated Substances

No other designated substances were observed. No biological or chemical hazards which were not discussed above were identified.

6.16 Urea Formaldehyde Foam Insulation

Urea formaldehyde foam insulation (UFFI) is a thermal insulation material that is pumped into interstitial spaces between the walls of buildings where it hardens to form a solid layer of insulation. The sale and installation of UFFI was banned for health-related reasons because of the formation of formaldehyde gas, which is released from the UFFI to the building interior.

No UFFI is expected on site.

6.17 Radioactive Materials

The Canadian Nuclear Safety Commission (CNSC), under the Nuclear Safety and Control Act, is

responsible for the management and licensing of radioactive materials, to ensure that the use of nuclear energy does not pose undue risk to health, safety, security and the environment. The CNSC achieves regulatory control of nuclear facilities and nuclear materials through a comprehensive licensing system, which is administered through the cooperation of federal and provincial government departments such as health, environment, transport and labour.

Radioactive materials or equipment (labelled as such) were not observed at the Site. No testing for the presence of radioactive material was undertaken.

6.18 Noise and Vibration

The levels of noise and vibration at the time of the inspection were noted to be typical of a residential area. No activities on the subject site are expected to create nuisance noise above ambient conditions.

6.19 Waste Management

No waste is produced on site.

6.20 Special Attention Items

There are no additional special attention items pertaining to the subject site that need to be mentioned.

6.21 Conclusions from Current Site Uses and Operations

The subject site is an irregularly shaped property with an approximate area of 178,017 m². The site is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area. Historically, the site appears to have been mostly agricultural, however, at least one residence appears to have been present on site from at least 1954. The majority of the property is covered in tall vegetation. An asphalt path leads from Eliza Street to the western portion of the subject site. A ditch was observed along the western site boundary. No transformers were observed on site. No PCAs creating APECs on the site were identified on the subject site during the site inspection.

7.0 POTENTIALLY CONTAMINATING ACTIVITIES AND AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Under O. Reg. 153/04, a "potentially contaminating activity" (PCA) means a use or activity set out in Column A of Table 2 of Schedule D of O. Reg. 153/04 that is occurring or has occurred in a phase one study area. "Areas of potential environmental concern" (APEC) means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

- (a) Identification of past or present uses on, in or under the phase one property, and
- (b) Identification of potentially contaminating activity.

One potentially contaminating activity was identified within the subject study area. The summary of assessment of environmental liability is that risk of areas of potential environmental concern at the subject site is low.

7.1 On-Site PCAs

Based on the information obtained from the historical review and site inspection, no on-site PCAs were identified that would create APECs.

7.2 Off-Site PCAs

Based on the information obtained from the historical review and site inspection, no off-site PCAs were identified that would create APECs on the subject site.

7.3 Areas of Potential Environmental Concern

No APECS were identified on the subject site.

8.0 REVIEW AND EVALUATION OF THE PHASE I INVESTIGATION

8.1 Current and Past Uses

Based on the information reviewed, land uses at the site are provided in Table 5.

Table 5 – Current and Past Uses of the Subject Site

Dates	Name(s) of Owner(s) and Occupant(s)	Description of Property use	Other observations from aerial images, FIPs, etc.
1952-2020	Roker Farms Inc.	Agricultural/ Residential	The 1952, 1969, and 1980 aerials show a residence on the subject site. In 2020, ownership of the subject site was transferred from Roker Farms Inc. to Sarah Properties Ltd. It is unknown at what time Roker Farms Inc. purchased the property. A 2017 aerial image appears to show the residence demolished.
2020-present	Sarah Properties Ltd.	Vacant / Agricultural	The site visit confirms that the property is vacant. The southwest portion of the site was transferred from Yuyu Li to Sarah Properties Ltd in 2024.

8.2 Conclusions for the Phase I Investigation

The records obtained from EcoLog ERIS, aerial photographs, FIPs and other materials searched, along with the site inspection, did not identify any PCAs on the subject site or within the subject study area that would create APECs on the subject site.

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.1 Conclusions

A&A was retained by the client to conduct a due diligence Phase I ESA for a property located at 211 Eliza Street and 8014 Wellington Road 109, Arthur, Ontario. This investigation was conducted in accordance with Canadian Standards CSA Z-768-01 (R2022). There is no relationship between the client and A&A other than third party independent assessor. The site is primarily a vacant agricultural field, with a single unit residential dwelling and naturalized area in the southwest area. Access to the site is from Eliza Street to the west and Wellington Road 109 to the south.

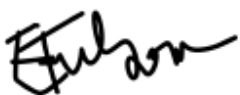
The topography of the subject site varied, with a general steep slope observed to the southwest, with the eastern part of the site sloping to the east, both of which lead to Brandy Creek. The subject site is recorded as being approximately 462 masl on the topographic map, with the surrounding subject study area sloping from approximately 468 masl in the southeast to 445 masl in the west. Surface water drainage on site is expected to infiltrate the ground and flow towards Brandy Creek. Within the greater subject study area, groundwater is inferred to flow west along Brandy Creek towards the Conestoga River.

The records obtained from EcoLog ERIS, aerial photographs, FIPs and other materials searched, along with the site inspection, did not identify any PCAs on the subject site or the subject study area that would create APECs on the subject site.

9.2 Recommendations

Based on the obtained information, no additional environmental investigation is recommended for the property located at 211 Eliza Street, Arthur, ON at this time.

SIGNED:



Emilee Fulsom, HBSc
Environmental Consultant

SIGNED:



Steve Scott, BSc (Bio), Cert. Env. Mgmt. & Assessment, EP
Senior Project Manager

I have reviewed report #8725 and concur with the findings herein.

SIGNED:



Dr. Ali A. Rasoul, Ph.D., P. Geo., EP, QP
Principal Environmental Consultant

10.0 QUALIFICATIONS OF THE ASSESSORS

A & A Environmental Consultants Inc. is a multi-disciplinary environmental consulting firm offering consulting services in the fields of site assessments (Phase I & II ESAs), cleanups, water resource studies, aggregate permitting, landfill design and monitoring, geotechnical studies, air quality studies, designated substances surveys and environmental impact studies. A&A has more than 30 years of experience in environmental consulting in the province of Ontario, Alberta, Saskatchewan, British Columbia and have performed thousands of projects from small scale Phase I ESAs to large scale landfill design, hydro-geological studies and groundwater management plans. We have a number of seniors, experienced staff who consult in a variety of disciplines and offer our clients expert knowledge in both the technical aspects of a project and the applicable environmental regulations.

Dr. Ali A. Rasoul, Ph.D., EP, P. Geo., QP

Principal Consultant

The report was reviewed by Dr. Ali A. Rasoul, a Principal Consultant with A&A. He has over 25 years of experience in his field. He has completed hundreds of environmental projects including Phase I & II ESAs, mould assessments, hydrogeological investigations, designated substances surveys and water management plans. He is a licensed Professional Geoscientist with the Association of Professional Geoscientists of Ontario and a licensed Well Technician in the Province of Ontario (Ministry of the Environment, Conservation and Parks). He is also a licensed Professional Geoscientist in Alberta, Saskatchewan, and British Columbia. Dr. Rasoul is registered as a “Qualified Person” for conducting ESAs as defined under Ontario Regulation 153/04 and 511/09.

11.0 REFERENCES

This study was conducted in accordance with the applicable regulations, guidelines, policies, standards, protocols and objectives administered by the Ministry of the Environment, Conservation and Parks. Specific reference is made to the following:

1. Canadian Standards Association CSA Z-768-01 (R2022)
2. Ontario Regulation 153/04 as amended December, 2009 and implemented July, 1st, 2011.

12.0 LIMITATIONS

The report was prepared for the exclusive use of the client. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third party. Should additional parties require reliance on this report, written authorization from A&A will be required. With respect to third parties, A&A has no liability or responsibility for losses of any kind whatsoever including direct or consequential financial effects on transactions or property values, or requirement for follow-up actions and costs.

The investigation undertaken by A&A with respect to this report and any conclusions or recommendations made in this report reflect A&A's judgment based on the site conditions observed at the time of the site inspection on the date(s) set out in this report and on information available at the time of preparation of this report. This report has been prepared for specific application to this site and it is based, in part, upon visual observations of the site as described in this report. Unless otherwise stated, the findings cannot be extended to previous or future site conditions, or portions of the site, which were unavailable for direct investigation. A&A has used professional judgment in analysing this information and formulating these conclusions.

A&A makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and change. Such interpretations and regulatory changes should be reviewed with legal counsel.

APPENDIX A – Figures

Figure 1 – Site Location Map

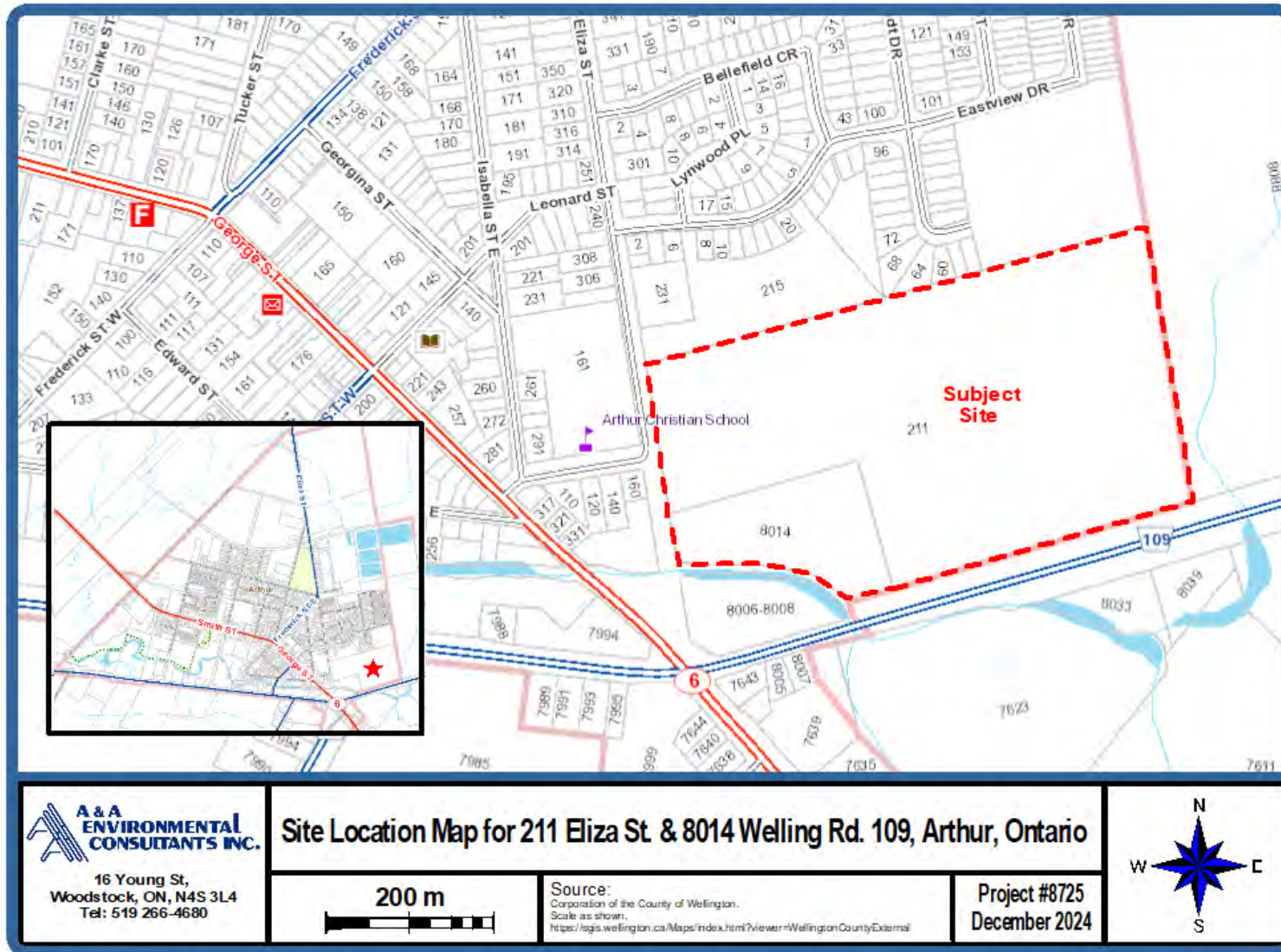
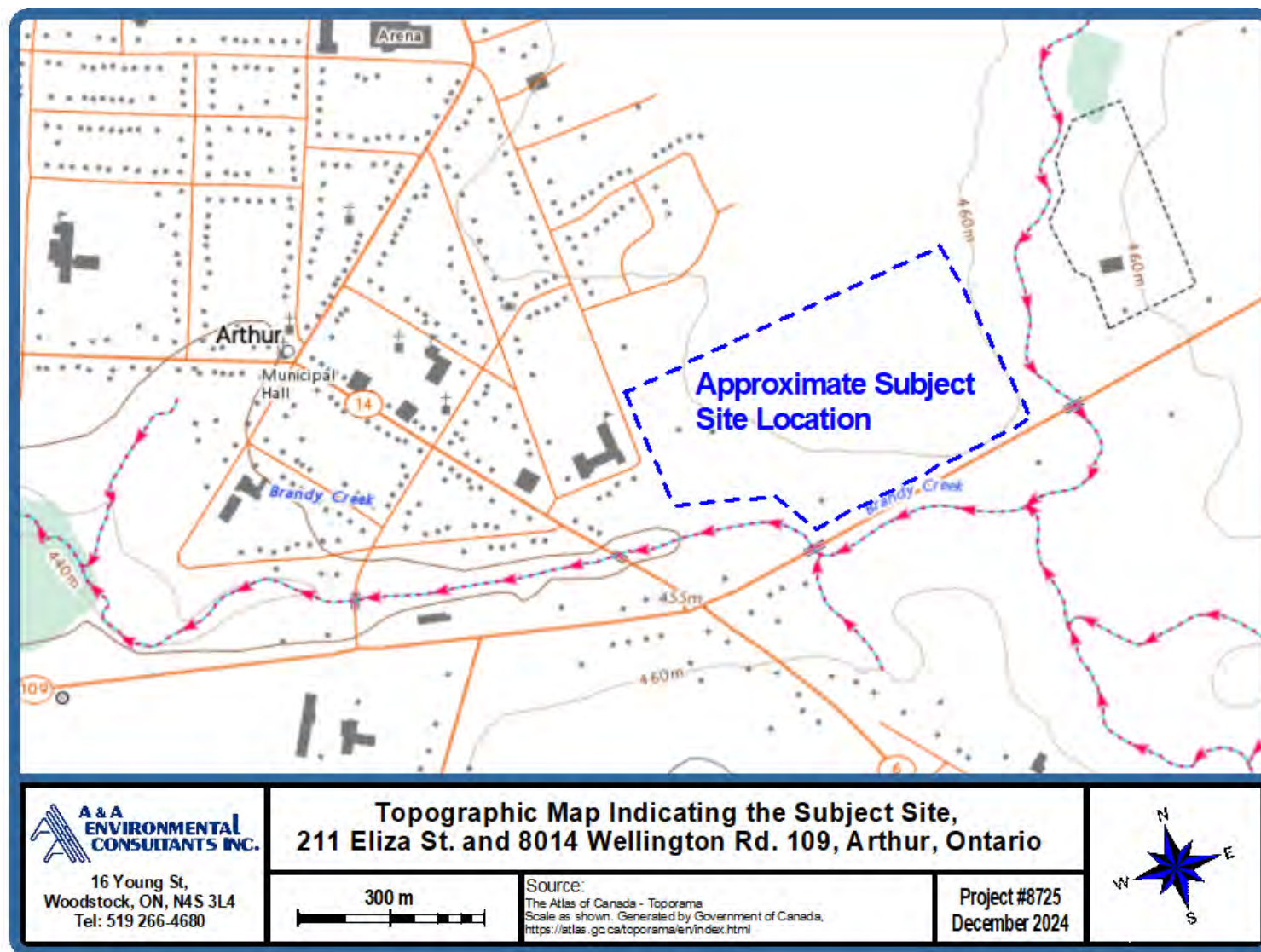


Figure 2 – Satellite Image of Subject Site



Figure 3 – Topographic Map of Subject Study Area



APPENDIX B – Site Photographs



Looking east at site path



Looking south at Brandy Creek



**Vegetation covering
the subject site**



**Existing monitoring
well observed on site**



**Looking southwest
towards residences
on Eliza Street**



**Looking north
towards neighbouring
retirement home**



Eastern site area



**Looking southeast at
Eliza Street**

APPENDIX C – Land Title Record

Map: 71104-0212 (LT)

Adjacents

Custom

Parcel Types: (LT) Land Titles - (R) Registry

Map Area

Map Centre

Search By Street

Measurement

Layers ▾

Go To LRO Map

Draw Shape

Print Map



PROPERTY INDEX MAP
WELLINGTON (No. 61)

SCALE
0 50 100m

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

© Queen's Printer for Ontario, 2024

PIN	Type	Address	Area	Map Status
71104-0212	Parcel	211 ELIZA STREET	153997m ²	

UTM: 538150E, 4853183N, Zone 17

Notes: Address may be unavailable or approximate, areas are approximate.

PROPERTY DESCRIPTION: PT LT 1 CON 1 WEST LUTHER AS IN EN6455 EXCEPT EN6575; TOWNSHIP OF WELLINGTON NORTH

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

RE-ENTRY FROM 71104-0446

PIN CREATION DATE:

2000/08/28

OWNERS' NAMES

SARAH PROPERTIES LTD.

CAPACITY SHARE

ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *</p> <p>** AND ESCHEATS OR FORFEITURE TO THE CROWN.</p> <p>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF</p> <p>** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY</p> <p>** CONVENTION.</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</p> <p>**DATE OF CONVERSION TO LAND TITLES: 2000/08/28 **</p>						
WC606210	2020/08/04	TRANSFER	\$3,200,000	ROKER FARMS INC.	SARAH PROPERTIES LTD.	C
REMARKS: PLANNING ACT STATEMENTS.						

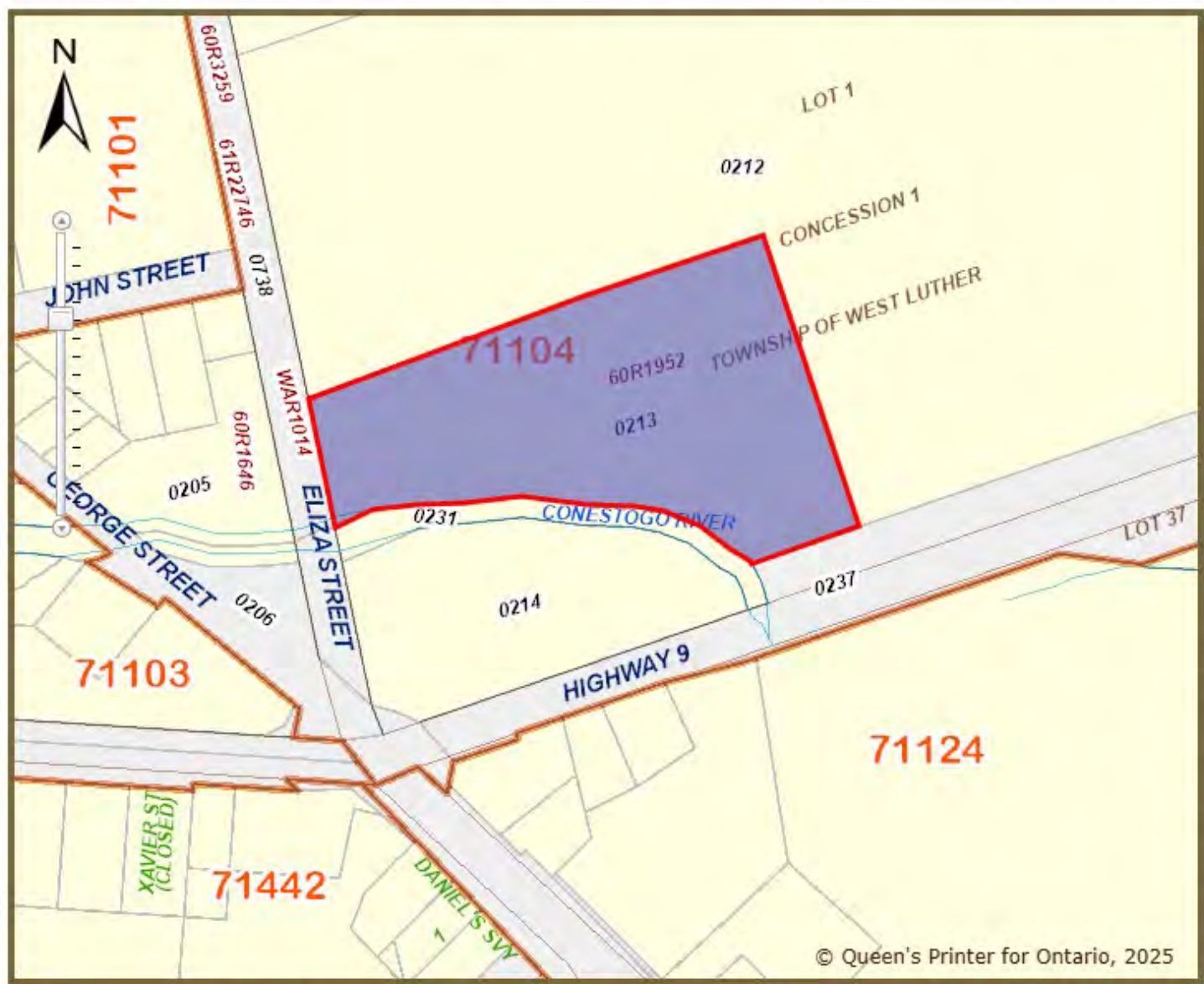
Map: 71104-0213 (LT)

Adjacents

Custom

Parcel Types: (LT) Land Titles - (R) Registry

- Map Area
- Map Centre
- Search By Street
- Measurement
- Layers ▾
- Go To LRO Map
- Draw Shape
- Print Map



PROPERTY INDEX MAP
WELLINGTON (No. 61)

SCALE
0 50 100m

LEGEND

- FREEHOLD PROPERTY
- LEASEHOLD PROPERTY
- LIMITED INTEREST PROPERTY
- CONDOMINIUM PROPERTY
- RETIRED PIN(MAP UPDATE PENDING)
- PROPERTY NUMBER **0449**
- BLOCK NUMBER **08050**
- GEOGRAPHIC FABRIC
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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PIN	Type	Address	Area	Map Status
71104-0213	Parcel	8014 WELLINGTON ROAD 10...	24020m ²	

UTM: 537888E, 4853008N, Zone 17

Notes: Address may be unavailable or approximate, areas are approximate.

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PROPERTY DESCRIPTION: PT LT 1 CON 1 WEST LUTHER PT 1, 60R1952; WELLINGTON NORTH

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

RE-ENTRY FROM 71104-0447

PIN CREATION DATE:

2000/08/28

OWNERS' NAMES

SARAH PROPERTIES LTD.

CAPACITY SHARE

ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * AND ESCHEATS OR FORFEITURE TO THE CROWN.</p> <p>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY CONVENTION.</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</p> <p>**DATE OF CONVERSION TO LAND TITLES: 2000/08/28 **</p>						
60R1952	1981/04/14	PLAN REFERENCE				C
WC725518	2024/03/25	TRANSFER	\$1,350,000	LI, YUYU	SARAH PROPERTIES LTD.	C
REMARKS: PLANNING ACT STATEMENTS.						

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

APPENDIX D – ERIS Report & City Directory



DATABASE REPORT

Project Property: *Broos Arthur
211 Eliza Street
Arthur ON N0G 1A0*

Project No: *8725*

Report Type: *Standard Report*

Order No: *24112600107*

Requested by: *A&A Environmental Consultants Inc.*

Date Completed: *November 30, 2024*

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Executive Summary

Property Information:

Project Property: *Broos Arthur
211 Eliza Street Arthur ON N0G 1A0*

Project No: *8725*

Coordinates:

Latitude: *43.830202*
Longitude: *-80.530379*
UTM Northing: *4,853,122.15*
UTM Easting: *537,758.37*
UTM Zone: *UTM Zone 17T*

Elevation: *1,516 FT
462.17 M*

Order Information:

Order No: *24112600107*
Date Requested: *November 26, 2024*
Requested by: *A&A Environmental Consultants Inc.*
Report Type: *Standard Report*

Historical/Products:

Aerial Photographs *Aerials - National Collection*
City Directory Search *Smart CD Search*
ERIS Xplorer *[ERIS Xplorer](#)*
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*
Physical Setting Report (PSR) *Physical Setting Report (PSR)*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	4	4
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	7	7
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	0	0
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	1	1
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	6	6
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFAS	<i>Ontario PFAS Spills</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PPHA	<i>Potential PFAS Handlers from EASR</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	5	5
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	5	7	12

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
		<hr/>			
		Total:	5	30	35

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	WWIS		211 ELISA ST lot 1 con 1 ARTHUR ON <i>Well ID:</i> 7263086	N/48.8	0.73	<u>18</u>
<u>2</u>	WWIS		211 ELIZA ST. EAST ARTHUR ON <i>Well ID:</i> 6715886	W/65.9	-1.31	<u>20</u>
<u>5</u>	WWIS		211 ELIZA ST ARTHUR ON <i>Well ID:</i> 7331057	WSW/137.6	-3.23	<u>22</u>
<u>6</u>	WWIS		211 ELIZA ST ARTHUR ON <i>Well ID:</i> 7331056	WSW/138.1	-2.17	<u>26</u>
<u>20</u>	WWIS		211 ELIZA ST ARTHUR ON <i>Well ID:</i> 7331058	ENE/248.3	2.69	<u>30</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		ON Well ID: 7149905	WSW/100.5	-2.70	32
4	WWIS		41 ELIZA ST ARTHUR ON Well ID: 7042081	W/119.9	-1.31	35
7	GEN	Upper Grand District School Board	Arthur Public School 141 Eliza Street Arthur ON	W/160.1	-1.26	38
8	GEN	Dr Andrew Kim	231 Eliza Street Arthur ON N0G1A0	NW/190.7	0.70	39
8	GEN	Arthur Dental	231 Eliza Street Arthur ON N0G1A0	NW/190.7	0.70	39
8	GEN	Arthur Dental	231 Eliza Street Arthur ON N0G1A0	NW/190.7	0.70	39
9	GEN	Arthur Dental	231 Eliza Street Arthur ON N0G1A0	NW/199.4	0.75	40
10	WWIS		7994 WELLINGTON RD 109 ARTHUR ON Well ID: 7281679	SW/207.5	-10.26	40
11	WWIS		ON Well ID: 7228721	S/209.5	-11.37	43
12	RST	PIONEER PETROLIUM INC	8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	S/211.1	-11.46	44
12	RST	PIONEER PETROLIUM INC	8006 WELLINGTON ROAD 109 FERGUS ON N0G 1A0	S/211.1	-11.46	44
12	FSTH	PIONEER PETROLEUMS MANAGEMENT INC**	8006 WELLINGTON RD 109 LOT 1 CON 1, HWY 6&9 ARTHUR ON	S/211.1	-11.46	44

<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>
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S/211.1	-11.46	45
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON N0G 1A0	S/211.1	-11.46	46
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S/211.1	-11.46	46
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S/211.1	-11.46	47
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S/211.1	-11.46	47
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S/211.1	-11.46	48
12	DTNK	PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S/211.1	-11.46	49
12	RST	LL SNACK EXPRESS	8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	S/211.1	-11.46	49
12	RST	PIONEER ENERGY LP	8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	S/211.1	-11.46	49
12	RST	PIONEER SNACK EXPRESS	8006 WELLINGTON RD 109 ARTHUR ON N0G1A0	S/211.1	-11.46	49
12	GEN	Parkland Corporation	8006 Wellington County Road 109 Arthur ON N0G 1A0	S/211.1	-11.46	50
13	WWIS		7994 WELLINGTON RD 109 ON EAST SIDE OF HWY 6 ARTHUR ON Well ID: 7220861	SW/216.1	-13.31	50
14	WWIS		ON	S/218.9	-11.47	53

<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>
			<i>Well ID:</i> 6712922			
15	WWIS		COUNTY RD 109 ARTHUR ON <i>Well ID:</i> 6715657	SSW/222.3	-11.69	57
16	BORE		ON	SW/228.3	-10.22	59
17	BORE		ON	SW/231.2	-10.22	60
18	BORE		ON	WSW/242.4	-10.31	60
19	BORE		ON	SW/247.5	-10.31	61

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SW	228.35	<u>16</u>
	ON	SW	231.20	<u>17</u>
	ON	WSW	242.38	<u>18</u>
	ON	SW	247.52	<u>19</u>

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Oct 2023 has found that there are 7 DTNK site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON N0G 1A0	S	211.07	<u>12</u>
PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S	211.07	<u>12</u>
PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S	211.07	<u>12</u>
PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S	211.07	<u>12</u>

PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S	211.07	12
PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S	211.07	12
PIONEER ENERGY MANAGEMENT INC.	8006 WELLINGTON RD 109 ARTHUR ON	S	211.07	12

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 1 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIONEER PETROLEUMS MANAGEMENT INC**	8006 WELLINGTON RD 109 LOT 1 CON 1, HWY 6&9 ARTHUR ON	S	211.07	12

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 6 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Dr Andrew Kim	231 Eliza Street Arthur ON N0G1A0	NW	190.69	8
Arthur Dental	231 Eliza Street Arthur ON N0G1A0	NW	190.69	8
Arthur Dental	231 Eliza Street Arthur ON N0G1A0	NW	190.69	8
Arthur Dental	231 Eliza Street Arthur ON N0G1A0	NW	199.37	9

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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Upper Grand District School Board	Arthur Public School 141 Eliza Street Arthur ON	W	160.14	7
Parkland Corporation	8006 Wellington County Road 109 Arthur ON N0G 1A0	S	211.07	12

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Apr 30, 2024 has found that there are 5 RST site(s) within approximately 0.25 kilometers of the project property.

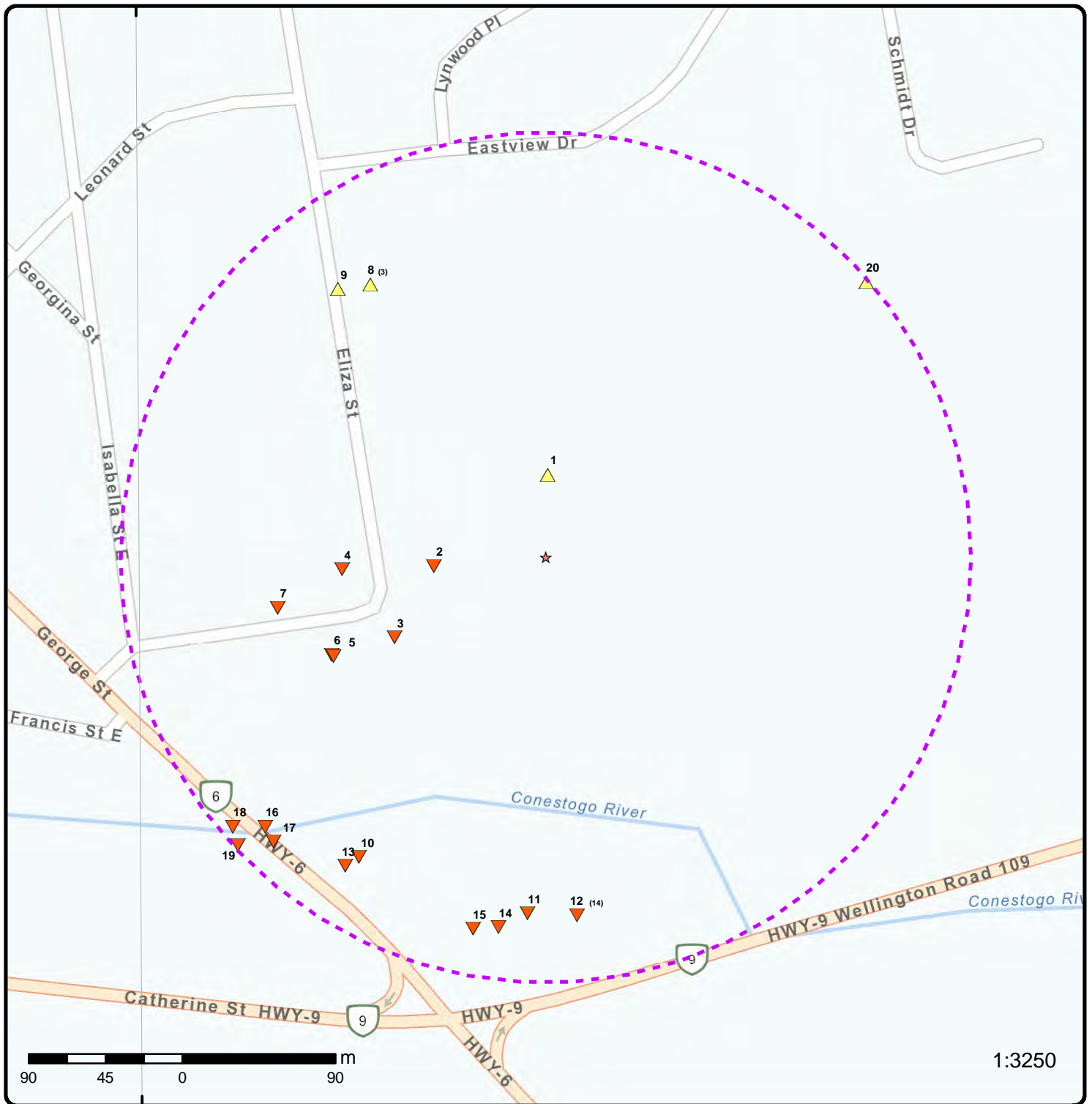
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
LL SNACK EXPRESS	8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	S	211.07	12
PIONEER SNACK EXPRESS	8006 WELLINGTON RD 109 ARTHUR ON N0G1A0	S	211.07	12
PIONEER ENERGY LP	8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	S	211.07	12
PIONEER PETROLIUM INC	8006 WELLINGTON ROAD 109 FERGUS ON N0G 1A0	S	211.07	12
PIONEER PETROLIUM INC	8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	S	211.07	12

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 12 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	211 ELISA ST lot 1 con 1 ARTHUR ON <i>Well ID: 7263086</i>	N	48.82	1
	211 ELIZA ST ARTHUR ON <i>Well ID: 7331058</i>	ENE	248.29	20

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	211 ELIZA ST. EAST ARTHUR ON <i>Well ID:</i> 6715886	W	65.88	<u>2</u>
	ON <i>Well ID:</i> 7149905	WSW	100.45	<u>3</u>
	41 ELIZA ST ARTHUR ON <i>Well ID:</i> 7042081	W	119.89	<u>4</u>
	211 ELIZA ST ARTHUR ON <i>Well ID:</i> 7331057	WSW	137.59	<u>5</u>
	211 ELIZA ST ARTHUR ON <i>Well ID:</i> 7331056	WSW	138.08	<u>6</u>
	7994 WELLINGTON RD 109 ARTHUR ON <i>Well ID:</i> 7281679	SW	207.54	<u>10</u>
	ON <i>Well ID:</i> 7228721	S	209.47	<u>11</u>
	7994 WELLINGTON RD 109 ON EAST SIDE OF HWY 6 ARTHUR ON <i>Well ID:</i> 7220861	SW	216.06	<u>13</u>
	ON <i>Well ID:</i> 6712922	S	218.94	<u>14</u>
	COUNTY RD 109 ARTHUR ON <i>Well ID:</i> 6715657	SSW	222.33	<u>15</u>



Map: 0.25 Kilometer Radius

Order Number: 24112600107

Address: 211 Eliza Street, Arthur, ON



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



Aerial Year: 2022

Order Number: 24112600107

Address: 211 Eliza Street, Arthur, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

80°33'W

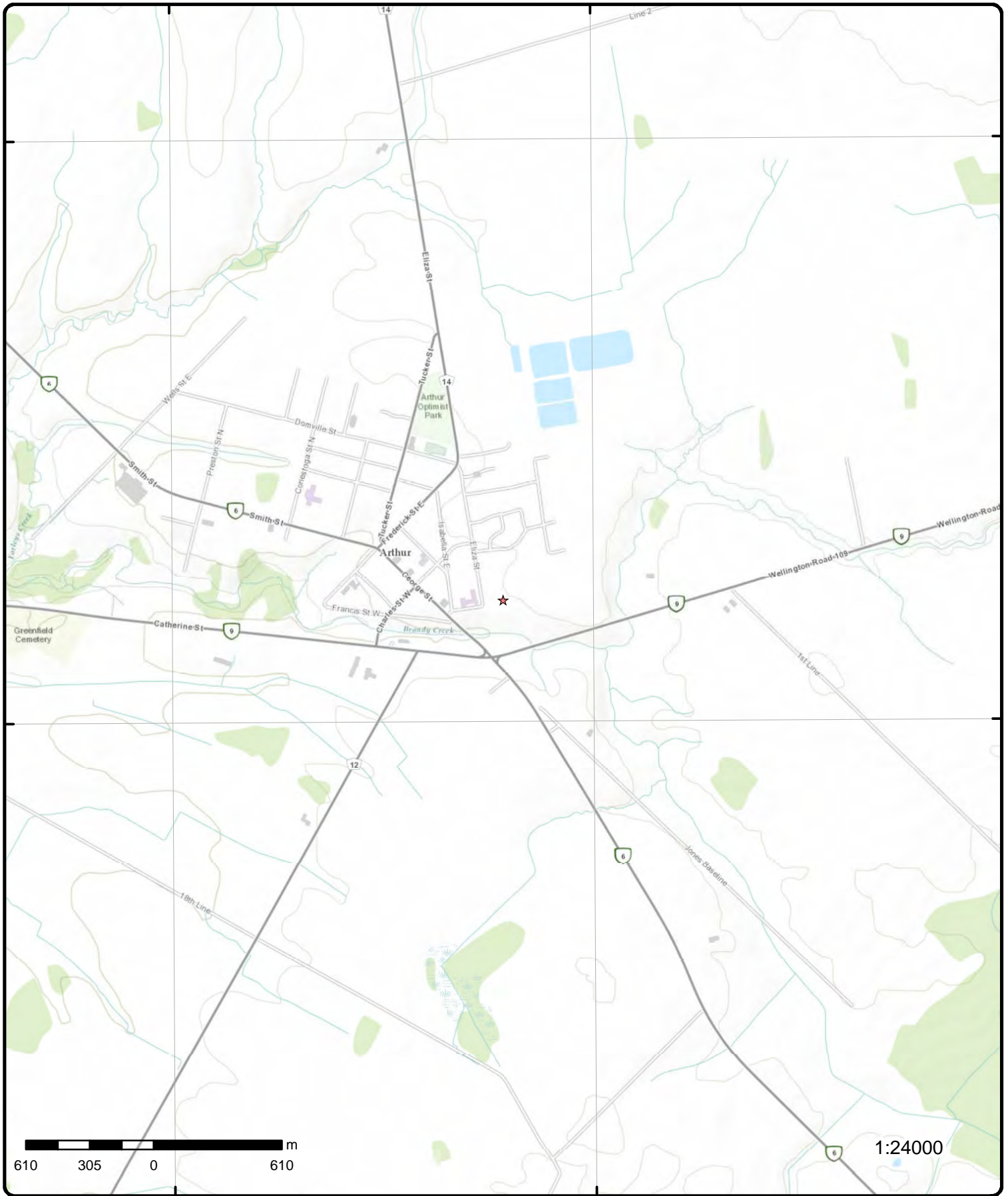
80°31'30"W

43°51'N

43°51'N

43°49'30"N

43°49'30"N



Topographic Map

Address: 211 Eliza Street, ON

Source: ESRI World Topographic Map

Order Number: 24112600107



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	N/48.8	462.9/ 0.73	211 ELISA ST lot 1 con 1 ARTHUR ON	WWIS

Well ID: 7263086
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z218731
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: WEST LUTHER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05/18/2016
Selected Flag: TRUE
Abandonment Rec: Yes
Contractor: 7557
Form Version: 7
Owner:
County: WELLINGTON
Lot: 001
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7263086.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/25/2016
Year Completed: 2016
Depth (m):
Latitude: 43.8306413306218
Longitude: -80.5303590866536
X: -80.53035893732446
Y: 43.83064133061562
Path: 726\7263086.pdf

Bore Hole Information

<p> Bore Hole ID: 1005992984 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 04/25/2016 Remarks: Location Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: </p>	<p> Elevation: Elevrc: Zone: 17 East83: 537760.00 North83: 4853170.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr </p>
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006093576			
Layer:		2			
Plug From:		6.0			
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006093574			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006093575			
Layer:		1			
Plug From:		8.0			
Plug To:		6.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006093573			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006093567			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006093571			
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:		1006093572			
Layer:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM: ft					
Screen Diameter UOM: inch					
Screen Diameter:					
Water Details					
Water ID: 1006093570					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: ft					
Hole Diameter					
Hole ID: 1006093569					
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM: ft					
Hole Diameter UOM: inch					

<u>2</u>	1 of 1	W/65.9	460.9 / -1.31	211 ELIZA ST. EAST ARTHUR ON	WWIS
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Well ID:	6715886	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Abandoned-Supply	Date Received:	09/26/2006
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	Yes
Audit No:	Z71053	Contractor:	6634
Tag:	A043259	Form Version:	3
Constructn Method:		Owner:	
Elevation (m):		County:	WELLINGTON
Elevatn Reliability:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	ARTHUR VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6715886.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/30/2006
Year Completed:	2006
Depth (m):	
Latitude:	43.8301585642054
Longitude:	-80.5311961788408
X:	-80.53119602950613
Y:	43.83015856369152
Path:	671\6715886.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	11695668			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	537693.00
Code OB Desc:				North83:	4853116.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	08/30/2006			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933307981				
Layer:	3				
Plug From:	7.0				
Plug To:	3.0				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933307982				
Layer:	4				
Plug From:	3.0				
Plug To:	0.0				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933307980				
Layer:	2				
Plug From:	10.0				
Plug To:	7.0				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933307979				
Layer:	1				
Plug From:	13.5				
Plug To:	10.0				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	966715886				
Method Construction Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:					
Other Method Construction:					
Pipe Information					
Pipe ID:		11700534			
Casing No:		1			
Comment:					
Alt Name:					

<u>5</u>	1 of 1	WSW/137.6	458.9 / -3.23	211 ELIZA ST ARTHUR ON	WWIS
Well ID:	7331057			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	04/04/2019
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z282665			Contractor:	6607
Tag:	A246141			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	ARTHUR VILLAGE				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7331057.pdf				

Additional Detail(s) (Map)

Well Completed Date:	01/10/2019
Year Completed:	2019
Depth (m):	10.6
Latitude:	43.8296843875804
Longitude:	-80.531933691879
X:	-80.53193354257101
Y:	43.829684387890026
Path:	733\7331057.pdf

Bore Hole Information

Bore Hole ID:	1007421050	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537634.00
Code OB Desc:		North83:	4853063.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	01/10/2019	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 1007823972
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.30000001192092896
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1007823975
Layer: 4
Color: 2
General Color: GREY
Material 1: 06
Material 1 Desc: SILT
Material 2: 61
Material 2 Desc: CLAYEY
Material 3:
Material 3 Desc:
Formation Top Depth: 3.5999999046325684
Formation End Depth: 6.0
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1007823976
Layer: 5
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2: 84
Material 2 Desc: SILTY
Material 3: 11
Material 3 Desc: GRAVEL
Formation Top Depth: 6.0
Formation End Depth: 7.599999904632568
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1007823978
Layer: 7
Color: 2
General Color: GREY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		84			
Material 3 Desc:		SILTY			
Formation Top Depth:		9.699999809265137			
Formation End Depth:		10.600000381469727			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007823974			
Layer:		3			
Color:		8			
General Color:		BLACK			
Material 1:		27			
Material 1 Desc:		OTHER			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.4000000953674316			
Formation End Depth:		3.5999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007823973			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		81			
Material 2 Desc:		SANDY			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.30000001192092896			
Formation End Depth:		2.4000000953674316			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007823977			
Layer:		6			
Color:		2			
General Color:		GREY			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		7.599999904632568			
Formation End Depth:		9.699999809265137			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Sealing Record</u>					
Plug ID:		1007825673			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825675			
Layer:		3			
Plug From:		0.8999999761581421			
Plug To:		7.900000095367432			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825676			
Layer:		4			
Plug From:		7.900000095367432			
Plug To:		8.800000190734863			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825674			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		0.8999999761581421			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1007827829			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007822125			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007828531			
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			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Construction Record - Screen

Screen ID: 1007829159
Layer: 1
Slot: .10
Screen Top Depth: 9.100000381469727
Screen End Depth: 10.600000381469727
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.400000095367432

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1007830110
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1007827055
Diameter: 21.0
Depth From: 0.0
Depth To: 10.600000381469727
Hole Depth UOM: m
Hole Diameter UOM: cm

6	1 of 1	WSW/138.1	460.0 / -2.17	211 ELIZA ST ARTHUR ON	WWIS
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Well ID: 7331056 Construction Date: Use 1st: Monitoring and Test Hole Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z282664 Tag: A246093 Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level:	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 04/04/2019 Selected Flag: TRUE Abandonment Rec: Contractor: 6607 Form Version: 7 Owner: County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Clear/Cloudy:
Municipality: ARTHUR VILLAGE
Site Info:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7331056.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/10/2019
Year Completed: 2019
Depth (m): 6
Latitude: 43.8296934419952
Longitude: -80.5319460584346
X: -80.53194590877446
Y: 43.82969344173813
Path: 733\7331056.pdf

Bore Hole Information

Bore Hole ID:	1007421036	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537633.00
Code OB Desc:		North83:	4853064.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	01/10/2019	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1007823968
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.30000001192092896
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1007823971
Layer: 4
Color: 2
General Color: GREY
Material 1: 06
Material 1 Desc: SILT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:		61			
Material 2 Desc:		CLAYEY			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		3.5999999046325684			
Formation End Depth:		6.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007823969			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		81			
Material 3 Desc:		SANDY			
Formation Top Depth:		0.30000001192092896			
Formation End Depth:		2.4000000953674316			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007823970			
Layer:		3			
Color:		8			
General Color:		BLACK			
Material 1:		27			
Material 1 Desc:		OTHER			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.4000000953674316			
Formation End Depth:		3.5999999046325684			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825672			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		4.199999809265137			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825671			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<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:		1007827826			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1007822124			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1007828529			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		4.5			
Casing Diameter:		5.099999904632568			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		1007829157			
Layer:		1			
Slot:		.10			
Screen Top Depth:		4.5			
Screen End Depth:		6.0			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.400000095367432			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1007830109			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
 <u>Hole Diameter</u>					
Hole ID:		1007827054			
Diameter:		21.0			
Depth From:		0.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		6.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[20](#) 1 of 1 **ENE/248.3** **464.9 / 2.69** **211 ELIZA ST
ARTHUR ON** **WWIS**

Well ID:	7331058	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Observation Wells	Date Received:	04/04/2019
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z282666	Contractor:	6607
Tag:	A246140	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	WELLINGTON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	ARTHUR VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7331058.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/10/2019
Year Completed: 2019
Depth (m): 6
Latitude: 43.831649141701
Longitude: -80.5280253297461
X: -80.52802518044041
Y: 43.8316491415141
Path: 733\7331058.pdf

Bore Hole Information

Bore Hole ID:	1007421053	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537947.00
Code OB Desc:		North83:	4853283.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	01/10/2019	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	digit
Location Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1007823980			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		74			
Material 3 Desc:		LAYERED			
Formation Top Depth:		4.800000190734863			
Formation End Depth:		6.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007823979			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		84			
Material 2 Desc:		SILTY			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		4.800000190734863			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825678			
Layer:		2			
Plug From:		0.30000001192092896			
Plug To:		4.199999809265137			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007825677			
Layer:		1			
Plug From:		0.0			
Plug To:		0.30000001192092896			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1007827830			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007822126			
Casing No:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007828532
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0.0
 Depth To: 4.5
 Casing Diameter: 5.099999904632568
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007829160
 Layer: 1
 Slot: .10
 Screen Top Depth: 4.5
 Screen End Depth: 6.0
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 6.400000095367432

Results of Well Yield Testing

Pumping Test Method Desc:
 Pump Test ID: 1007830111
 Pump Set At:
 Static Level:
 Final Level After Pumping:
 Recommended Pump Depth:
 Pumping Rate:
 Flowing Rate:
 Recommended Pump Rate:
 Levels UOM: m
 Rate UOM: LPM
 Water State After Test Code:
 Water State After Test:
 Pumping Test Method: 0
 Pumping Duration HR:
 Pumping Duration MIN:
 Flowing:

Hole Diameter

Hole ID: 1007827056
 Diameter: 21.0
 Depth From: 0.0
 Depth To: 6.0
 Hole Depth UOM: m
 Hole Diameter UOM: cm

3 1 of 1 WSW/100.5 459.5 / -2.70 ON WWIS

Well ID: 7149905 Flowing (Y/N):
 Construction Date: Flow Rate:
 Use 1st: Monitoring Data Entry Status:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	08/16/2010
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z104704			Contractor:	7221
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	ARTHUR VILLAGE				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7149905.pdf				

Additional Detail(s) (Map)

Well Completed Date: 05/20/2010
Year Completed: 2010
Depth (m):
Latitude: 43.8297815912169
Longitude: -80.5314851882141
X: -80.53148503903576
Y: 43.829781590774346
Path: 714\7149905.pdf

Bore Hole Information

Bore Hole ID:	1003290235	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537670.00
Code OB Desc:		North83:	4853074.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	05/20/2010	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1003341365
Layer: 1
Plug From: 59.5
Plug To: 54.5
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Plug ID:</i>		1003341367			
<i>Layer:</i>		3			
<i>Plug From:</i>		52.5			
<i>Plug To:</i>		0.0			
<i>Plug Depth UOM:</i>		m			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1003341366			
<i>Layer:</i>		2			
<i>Plug From:</i>		54.5			
<i>Plug To:</i>		0.0			
<i>Plug Depth UOM:</i>		m			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		1003341372			
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		1003341362			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1003341369			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>					
<i>Depth To:</i>					
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1003341370			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>					
<u>Water Details</u>					
<i>Water ID:</i>		1003341368			
<i>Layer:</i>					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003341364			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>4</u>	1 of 1	W/119.9	460.9 / -1.31	41 ELIZA ST ARTHUR ON	WWIS
Well ID:	7042081			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	03/30/2007
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z41261			Contractor:	6988
Tag:	A037358			Form Version:	3
Constructn Method:				Owner:	
Elevation (m):				County:	WELLINGTON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	ARTHUR TOWNSHIP				
Site Info:					

Additional Detail(s) (Map)

Bore Hole ID:	11764579	Tag No:	A037358
Depth M:	4	Contractor:	6988
Year Completed:	2006	Latitude:	43.8301433102446
Well Completed Dt:	03/30/2006	Longitude:	-80.5318679183248
Audit No:	Z41261	Y:	43.83014330949264
Path:		X:	-80.53186776880273

Bore Hole Information

Bore Hole ID:	11764579	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537639.00
Code OB Desc:		North83:	4853114.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	03/30/2006	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933095976			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.4000000953674316			
Formation End Depth:		3.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933095977			
Layer:		5			
Color:		2			
General Color:		GREY			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:		28			
Material 3 Desc:		SAND			
Formation Top Depth:		3.0			
Formation End Depth:		4.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933095974			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		05			
Material 3 Desc:		CLAY			
Formation Top Depth:		1.2000000476837158			
Formation End Depth:		1.7999999523162842			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933095978			
Layer:		6			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		4.0			
Formation End Depth:		4.0			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933095973			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		02			
Material 3 Desc:		TOPSOIL			
Formation Top Depth:		0.0			
Formation End Depth:		1.2000000476837158			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933095975			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		1.7999999523162842			
Formation End Depth:		2.4000000953674316			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933316192			
Layer:		1			
Plug From:		0.0			
Plug To:		0.800000011920929			
Plug Depth UOM:		m			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		967042081			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11772299			
Casing No:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930897405
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0.0
 Depth To: 0.8999999761581421
 Casing Diameter: 5.099999904632568
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933423745
 Layer: 1
 Slot: 10
 Screen Top Depth: 0.8999999761581421
 Screen End Depth: 4.0
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 6.0

Hole Diameter

Hole ID: 11850879
 Diameter: 10.199999809265137
 Depth From: 0.0
 Depth To: 4.0
 Hole Depth UOM: m
 Hole Diameter UOM: cm

<u>7</u>	1 of 1	W/160.1	460.9 / -1.26	Upper Grand District School Board Arthur Public School 141 Eliza Street Arthur ON	GEN
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Generator No: ON9809800
 SIC Code: 611110
 SIC Description: Elementary and Secondary Schools
 Approval Years: 06
 PO Box No:
 Country:
 Status:
 Co Admin:
 Choice of Contact:
 Phone No Admin:
 Contaminated Facility:
 MHSW Facility:

Detail(s)

Waste Class: 148
 Waste Class Name: INORGANIC LABORATORY CHEMICALS

 Waste Class: 221
 Waste Class Name: LIGHT FUELS

 Waste Class: 263

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Name:		WASTE COMPRESSED GASES			
<u>8</u>	1 of 3	NW/190.7	462.9 / 0.70	Dr Andrew Kim 231 Eliza Street Arthur ON N0G1A0	GEN
Generator No:		ON5170101			
SIC Code:					
SIC Description:					
Approval Years:		As of Dec 2018			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Name:		Pathological wastes			
<u>8</u>	2 of 3	NW/190.7	462.9 / 0.70	Arthur Dental 231 Eliza Street Arthur ON N0G1A0	GEN
Generator No:		ON5170101			
SIC Code:					
SIC Description:					
Approval Years:		As of Jul 2020			
PO Box No:					
Country:		Canada			
Status:		Registered			
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:		264 L			
Waste Class Name:		Photoprocessing wastes			
Waste Class:		312 P			
Waste Class Name:		Pathological wastes			
Waste Class:		264 T			
Waste Class Name:		Photoprocessing wastes			
<u>8</u>	3 of 3	NW/190.7	462.9 / 0.70	Arthur Dental 231 Eliza Street Arthur ON N0G1A0	GEN
Generator No:		ON5170101			
SIC Code:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		As of Nov 2021 Canada Registered			
<u>Detail(s)</u>					
Waste Class:		264 T			
Waste Class Name:		Photoprocessing wastes			
Waste Class:		264 L			
Waste Class Name:		Photoprocessing wastes			
Waste Class:		312 P			
Waste Class Name:		Pathological wastes			
<u>9</u>	1 of 1	NW/199.4	462.9 / 0.75	Arthur Dental 231 Eliza Street Arthur ON N0G1A0	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:		ON5170101 As of Oct 2022 Canada Registered			
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Name:		PATHOLOGICAL WASTES			
<u>10</u>	1 of 1	SW/207.5	451.9 / -10.26	7994 WELLINGTON RD 109 ARTHUR ON	WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: 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:		7281679 Monitoring Observation Wells Z246442 A156712		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:	02/24/2017 TRUE 7190 7 WELLINGTON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Clear/Cloudy:
Municipality: ARTHUR TOWNSHIP
Site Info:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7281679.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/24/2017
Year Completed: 2017
Depth (m): 4.572
Latitude: 43.8286212128666
Longitude: -80.5317554439345
X: -80.53175529451546
Y: 43.82862121258076
Path: 728\7281679.pdf

Bore Hole Information

Bore Hole ID:	1006357182	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537649.00
Code OB Desc:		North83:	4852945.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	01/24/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1006598530
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1006598531
Layer: 2
Color: 6
General Color: BROWN
Material 1: 06
Material 1 Desc: SILT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		10.0			
Formation End Depth:		15.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006598540			
Layer:		2			
Plug From:		4.0			
Plug To:		15.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006598539			
Layer:		1			
Plug From:		0.0			
Plug To:		4.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006598538			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		GEOPROBE			
<u>Pipe Information</u>					
Pipe ID:		1006598529			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006598535			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		5.0			
Casing Diameter:		1.5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006598536			
Layer:		1			
Slot:		.01			
Screen Top Depth:		5.0			
Screen End Depth:		10.0			
Screen Material:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:			ft		
Screen Diameter UOM:			inch		
Screen Diameter:			1.524999976158142		

Water Details

Water ID: 1006598534
 Layer: 1
 Kind Code: 8
 Kind: Untested
 Water Found Depth: 8.0
 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006598532
 Diameter: 3.25
 Depth From: 0.0
 Depth To: 15.0
 Hole Depth UOM: ft
 Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1006598533
 Diameter:
 Depth From:
 Depth To:
 Hole Depth UOM: ft
 Hole Diameter UOM: inch

11 1 of 1 S/209.5 450.8 / -11.37 ON WWIS

Well ID: 7228721	Flowing (Y/N):
Construction Date:	Flow Rate:
Use 1st:	Data Entry Status: Yes
Use 2nd:	Data Src:
Final Well Status:	Date Received: 10/01/2014
Water Type:	Selected Flag: TRUE
Casing Material:	Abandonment Rec:
Audit No: C18533	Contractor: 7383
Tag: A151231	Form Version: 8
Constructn Method:	Owner:
Elevation (m):	County: WELLINGTON
Elevatn Reliability:	Lot:
Depth to Bedrock:	Concession:
Well Depth:	Concession Name:
Overburden/Bedrock:	Easting NAD83:
Pump Rate:	Northing NAD83:
Static Water Level:	Zone:
Clear/Cloudy:	UTM Reliability:
Municipality: WEST LUTHER TOWNSHIP	
Site Info:	

Additional Detail(s) (Map)

Bore Hole ID: 1005145165	Tag No: A151231
Depth M:	Contractor: 7383
Year Completed: 2014	Latitude: 43.8283190468409
Well Completed Dt: 06/17/2014	Longitude: -80.5305265401636
Audit No: C18533	Y: 43.82831904658465

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:				X:	-80.53052639064127
<u>Bore Hole Information</u>					
Bore Hole ID:	1005145165			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	537748.00
Code OB Desc:				North83:	4852912.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	06/17/2014			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
12	1 of 14	S/211.1	450.7 / -11.46	PIONEER PETROLIUM INC 8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	RST
Headcode:	01186800				
Headcode Desc:	SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS				
Phone:					
List Name:					
Description:					
12	2 of 14	S/211.1	450.7 / -11.46	PIONEER PETROLIUM INC 8006 WELLINGTON ROAD 109 FERGUS ON N0G 1A0	RST
Headcode:	1186800				
Headcode Desc:	Service Stations-Gasoline, Oil & Natural Gas				
Phone:	5198486804				
List Name:					
Description:					
12	3 of 14	S/211.1	450.7 / -11.46	PIONEER PETROLEUMS MANAGEMENT INC** 8006 WELLINGTON RD 109 LOT 1 CON 1, HWY 6&9 ARTHUR ON	FSTH
License Issue Date:	8/7/2003				
Tank Status:	Licensed				
Tank Status As Of:	August 2007				
Operation Type:	Retail Fuel Outlet				
Facility Type:	Gasoline Station - Self Serve				
--Details--					
Status:	Active				
Year of Installation:	1988				
Corrosion Protection:					
Capacity:	36380				
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline				
Status:	Active				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year of Installation:		1988			
Corrosion Protection:					
Capacity:		36380			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1988			
Corrosion Protection:					
Capacity:		36380			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1988			
Corrosion Protection:					
Capacity:		27230			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1988			
Corrosion Protection:					
Capacity:		27230			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			

12	4 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	9524866	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	382525	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:	FS Gasoline Station - Full Serve		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	5 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON N0G 1A0	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10263304	Expired Date:	6/10/1999
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:			
TSSA Max 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		

12	6 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11043415	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	64728	Facility Location:	
Instance Type:	FS Piping	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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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: FS Piping Original Source: EXP Record Date: Up to Mar 2012					

12	7 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 11043401	Expired Date:
Status: EXPIRED	Max Hazard Rank:
Instance ID: 65828	Facility Location:
Instance Type: FS Piping	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: FS Piping	
Original Source: EXP	
Record Date: Up to Mar 2012	

12	8 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 63324778	Expired Date:
Status: EXPIRED	Max Hazard Rank:
Instance ID: 347157	Facility Location:
Instance Type: FS Piping	Facility Type:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: 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:				Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
		FS Piping			
		EXP			
		Up to Mar 2012			

12	9 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	63324779	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	348348	Facility Location:	
Instance Type:	FS Piping	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:	FS Piping		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	10 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY MANAGEMENT INC. 8006 WELLINGTON RD 109 ARTHUR ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	63324777	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	348996	Facility Location:	
Instance Type:	FS Piping	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:	FS Piping		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

12	11 of 14	S/211.1	450.7 / -11.46	LL SNACK EXPRESS 8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	RST
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Headcode:	01186800
Headcode Desc:	SERVICE STATIONS GASOLINE OIL & NATURAL
Phone:	5198486804
List Name:	
Description:	

12	12 of 14	S/211.1	450.7 / -11.46	PIONEER ENERGY LP 8006 WELLINGTON ROAD 109 ARTHUR ON N0G1A0	RST
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Headcode:	01186800
Headcode Desc:	SERVICE STATIONS GASOLINE OIL & NATURAL
Phone:	5198486804
List Name:	
Description:	

12	13 of 14	S/211.1	450.7 / -11.46	PIONEER SNACK EXPRESS 8006 WELLINGTON RD 109	RST
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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ARTHUR ON N0G1A0

Headcode: 01186800
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL GAS
Phone: 5198486804
List Name: INFO-DIRECT(TM) BUSINESS FILE
Description:

12	14 of 14	S/211.1	450.7 / -11.46	Parkland Corporation 8006 Wellington County Road 109 Arthur ON N0G 1A0	GEN
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Generator No: ON3717862
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221 L
Waste Class Name: Light fuels

13	1 of 1	SW/216.1	448.9 / -13.31	7994 WELLINGTON RD 109 ON EAST SIDE OF HWY 6 ARTHUR ON	WWIS
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<p> Well ID: 7220861 Construction Date: Use 1st: Monitoring Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z180443 Tag: A146221 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: ARTHUR TOWNSHIP Site Info: </p>	<p> Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 05/27/2014 Selected Flag: TRUE Abandonment Rec: Contractor: 7190 Form Version: 7 Owner: County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </p>
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7220861.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/13/2014
Year Completed: 2014

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth (m):		6.096			
Latitude:		43.8285766030692			
Longitude:		-80.5318552893473			
X:		-80.5318551395368			
Y:		43.82857660289207			
Path:		722\7220861.pdf			

Bore Hole Information

Bore Hole ID:	1004780304	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537641.00
Code OB Desc:		North83:	4852940.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	05/13/2014	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1005164325
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	1005164326
Layer:	2
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	15.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Annular Space/Abandonment

Sealing Record

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Plug ID:		1005164335			
Layer:		2			
Plug From:		7.0			
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005164334			
Layer:		1			
Plug From:		20.0			
Plug To:		7.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005164332			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005164324			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005164329			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		20.0			
Depth To:		10.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005164330			
Layer:		1			
Slot:		10			
Screen Top Depth:		10.0			
Screen End Depth:		0.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			
<u>Water Details</u>					
Water ID:		1005164328			
Layer:					
Kind Code:					
Kind:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:					
Water Found Depth UOM:		ft			
Hole Diameter					
Hole ID:		1005164327			
Diameter:		4.25			
Depth From:		0.0			
Depth To:		20.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

[14](#) 1 of 1 **S/218.9** **450.7 / -11.47** **ON** **WWIS**

Well ID:	6712922	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Commerical	Data Entry Status:	
Use 2nd:		Data Src:	1
Final Well Status:	Water Supply	Date Received:	04/01/1999
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	201732	Contractor:	3406
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	WELLINGTON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	ARTHUR VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6712922.pdf

Additional Detail(s) (Map)

Well Completed Date: 12/11/1998
Year Completed: 1998
Depth (m): 46.6344
Latitude: 43.828247882222
Longitude: -80.5307372835158
X: -80.53073713444833
Y: 43.82824788171665
Path: 671\6712922.pdf

Bore Hole Information

Bore Hole ID:	10476755	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537731.10
Code OB Desc:		North83:	4852904.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	3
Date Completed:	12/11/1998	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	gps
Location Method Desc:	from gps		
Elevrc Desc:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Location Source Date:
 Improvement Location Source:
 Improvement Location Method:
 Source Revision Comment:
 Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 932659650
 Layer: 3
 Color: 6
 General Color: BROWN
 Material 1: 28
 Material 1 Desc: SAND
 Material 2: 05
 Material 2 Desc: CLAY
 Material 3: 06
 Material 3 Desc: SILT
 Formation Top Depth: 56.0
 Formation End Depth: 61.0
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932659648
 Layer: 1
 Color: 6
 General Color: BROWN
 Material 1: 01
 Material 1 Desc: FILL
 Material 2:
 Material 2 Desc:
 Material 3:
 Material 3 Desc:
 Formation Top Depth: 0.0
 Formation End Depth: 11.0
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932659649
 Layer: 2
 Color: 6
 General Color: BROWN
 Material 1: 05
 Material 1 Desc: CLAY
 Material 2: 12
 Material 2 Desc: STONES
 Material 3: 34
 Material 3 Desc: TILL
 Formation Top Depth: 11.0
 Formation End Depth: 56.0
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932659653
 Layer: 6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		6			
General Color:		BROWN			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		143.0			
Formation End Depth:		153.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932659652			
Layer:		5			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		121.0			
Formation End Depth:		143.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932659651			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		61.0			
Formation End Depth:		121.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933211065			
Layer:		1			
Plug From:		0.0			
Plug To:		41.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		966712922			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					

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

Pipe ID: 11025325
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930776778
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 150.0
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: 996712922
Pump Set At:
Static Level: 27.0
Final Level After Pumping: 43.0
Recommended Pump Depth: 60.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 24
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934354432
Test Type: Draw Down
Test Duration: 15
Test Level: 41.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934618456
Test Type: Draw Down
Test Duration: 30
Test Level: 41.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935131772
Test Type: Draw Down
Test Duration: 60

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		41.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934870720			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		41.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933967501			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		56.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933967502			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		143.0			
Water Found Depth UOM:		ft			
15	1 of 1	SSW/222.3	450.5 / -11.69	COUNTY RD 109 ARTHUR ON	WWIS
Well ID:		6715657			
Construction Date:					
Use 1st:					
Use 2nd:					
Final Well Status:		Abandoned-Other			
Water Type:					
Casing Material:					
Audit No:		Z39480			
Tag:					
Constructn Method:					
Elevation (m):					
Elevatn Reliabilty:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Clear/Cloudy:					
Municipality:		ARTHUR VILLAGE			
Site Info:					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src:					
Date Received:		02/27/2006			
Selected Flag:		TRUE			
Abandonment Rec:		Yes			
Contractor:		6061			
Form Version:		3			
Owner:					
County:		WELLINGTON			
Lot:					
Concession:					
Concession Name:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6715657.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		01/30/2006			
Year Completed:		2006			
Depth (m):					
Latitude:		43.8282396496865			
Longitude:		-80.5309251469196			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
X:			-80.53092499726826		
Y:			43.82823964940094		
Path:			671\6715657.pdf		

Bore Hole Information

Bore Hole ID:	11558178	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	537716.00
Code OB Desc:		North83:	4852903.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	01/30/2006	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Annular Space/Abandonment
Sealing Record**

Plug ID:	933287390
Layer:	4
Plug From:	146.0
Plug To:	147.0
Plug Depth UOM:	m

**Annular Space/Abandonment
Sealing Record**

Plug ID:	933287388
Layer:	2
Plug From:	3.0
Plug To:	6.0
Plug Depth UOM:	m

**Annular Space/Abandonment
Sealing Record**

Plug ID:	933287387
Layer:	1
Plug From:	0.0
Plug To:	3.0
Plug Depth UOM:	m

**Annular Space/Abandonment
Sealing Record**

Plug ID:	933287391
Layer:	5
Plug From:	147.0
Plug To:	153.0
Plug Depth UOM:	m

**Annular Space/Abandonment
Sealing Record**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		933287389			
Layer:		3			
Plug From:		6.0			
Plug To:		146.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		966715657			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11567785			
Casing No:		1			
Comment:					
Alt Name:					

16 1 of 1 **SW/228.3** **451.9 / -10.22** **ON** **BORE**

Borehole ID:	851937	Inclin FLG:	No
OGF ID:	215574619	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	17-AUG-1959	Municipality:	
Static Water Level:	1.0	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.828786
Total Depth m:	6.4	Longitude DD:	-80.532438
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	537594
Drill Method:	Boring	Northing:	4852963
Orig Ground Elev m:	445	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	448		
Concession:			
Location D:	Highway 6, Conestoga River, Arthur.		
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	220428991	Mat Consistency:	Dense
Top Depth:	.9	Material Moisture:	
Bottom Depth:	6.4	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:	Boulders	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Very dense to hard light grey to light brown sandy till, scattered boulders.		
Geology Stratum ID:	220428990	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.9	Material Texture:	Coarse

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material Color:				Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Stones			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	fill
Gsc Material Description:					
Stratum Description:		Stones, sand, coarse gravel top fill.			
<u>17</u>	1 of 1	SW/231.2	451.9 / -10.22	ON	BORE
Borehole ID:	851936			Inclin FLG:	No
OGF ID:	215574618			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	17-AUG-1959			Municipality:	
Static Water Level:	1.0			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	43.828705
Total Depth m:	14.5			Longitude DD:	-80.532377
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	537599
Drill Method:	Boring			Northing:	4852954
Orig Ground Elev m:	444			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	448				
Concession:					
Location D:	Highway 6, Conestoga River, Arthur.				
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	220428988			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	Coarse
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Organic			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		Sand, coarse gravel, organic river-bed.			
Geology Stratum ID:	220428989			Mat Consistency:	Dense
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	14.5			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		Very dense to hard, light grey to light brown sandy till, scattered boulders.			
<u>18</u>	1 of 1	WSW/242.4	451.9 / -10.31	ON	BORE
Borehole ID:	851935			Inclin FLG:	No
OGF ID:	215574617			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	17-AUG-1959			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	43.828787
Total Depth m:	15.1			Longitude DD:	-80.532674
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	537575
Drill Method:	Boring			Northing:	4852963
Orig Ground Elev m:	445			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	449				
Concession:					
Location D:	Highway 6, Conestoga River, Arthur.				
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	220428986			Mat Consistency:	Hard
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	12.8			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Light grey to light brown hard sandy till, scattered boulders.				
Geology Stratum ID:	220428987			Mat Consistency:	Dense
Top Depth:	12.8			Material Moisture:	
Bottom Depth:	15.1			Material Texture:	Medium
Material Color:	Grey			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 grey medium to coarse sand and gravel.				
Geology Stratum ID:	220428985			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	Coarse
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Boulders			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Coarse grey gravel, sand, boulder pieces.				

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1 of 1

SW/247.5

451.9 / -10.31

ON

BORE

Borehole ID:	851938	Inclin FLG:	No
OGF ID:	215574620	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	17-AUG-1959	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	43.828688

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Total Depth m:	6.4			Longitude DD:	-80.532638
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	537578
Drill Method:	Boring			Northing:	4852952
Orig Ground Elev m:	445			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	448				
Concession:					
Location D:		Highway 6, Conestoga River, Arthur.			
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	220428992			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	Coarse
Material Color:				Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Stones			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	fill
Gsc Material Description:					
Stratum Description:		Stones, sand, coarse gravel, top fill.			
Geology Stratum ID:	220428993			Mat Consistency:	Dense
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	6.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		Very dense to hard light grey to light brown sandy till, scattered boulders.			

Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	ARTHUR VILL. 3-1256-88-006	300 M. E. OF ELIZA ST.	ARTHUR VILL. ON	
CA	JMB HOLDINGS	STREET A ELIZA STREET	ARTHUR VILL. ON	
CA	JMB HOLDINGS	STREET A ELIZA ST.	ARTHUR VILL. ON	

Unplottable Report

Site: ARTHUR VILL. 3-1256-88-006
300 M. E. OF ELIZA ST. ARTHUR VILL. ON

Database:
CA

Certificate #: 8-2214-89-
Application Year: 89
Issue Date: 8/10/1990
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: PROJ. #3-0680 S.T.P.
Contaminants:
Emission Control:

Site: JMB HOLDINGS
STREET A ELIZA STREET ARTHUR VILL. ON

Database:
CA

Certificate #: 3-0534-89-
Application Year: 89
Issue Date: 7/18/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: JMB HOLDINGS
STREET A ELIZA ST. ARTHUR VILL. ON

Database:
CA

Certificate #: 7-0472-89-
Application Year: 89
Issue Date: 7/18/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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](#)

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

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Apr 2024

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Apr 30, 2024

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

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

Government Publication Date: 1999-Apr 30, 2024

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -May 2024

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Oct 2024

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Oct 31, 2024

Drill Hole Database:

Provincial [DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2024

Delisted Fuel Tanks:

Provincial [DTNK](#)

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

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011-Sep 30, 2024

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994 - Oct 31, 2024

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011-Sep 30, 2024

Environmental Effects Monitoring:

Federal [EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

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

Government Publication Date: 1999-Aug 31, 2024

Environmental Issues Inventory System:

Federal [EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

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

List of Expired Fuels Safety Facilities:

Provincial **EXP**

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

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

Government Publication Date: Oct 2023

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

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

Government Publication Date: Jun 2000-Sep 2024

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial **FST**

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

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

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

Government Publication Date: 2013-Dec 2022

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

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

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES):

Federal [NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial [NCPL](#)

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

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

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: Feb 2024

National Pollutant Release Inventory - Historic:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-May 31, 2024

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database includes well owner/operator, location, permit issue date, and well cap date, license number, status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provided for each well record.

Government Publication Date: 1800-Aug 2024

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994 - Oct 31, 2024

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

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

Government Publication Date: Oct 2011-Sep 30, 2024

Ontario PFAS Spills:

Provincial

PFAS

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

Government Publication Date: 1988-Mar 2024; May 2024

NPRI Reporters - PFAS Substances:

Federal

PFCH

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

Government Publication Date: Feb 2024

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: Feb 2024

Pipeline Incidents:

Provincial

PINC

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

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR:

Provincial

PPHA

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

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994 - Oct 31, 2024

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial RSC

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

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

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Apr 30, 2024

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Jun 2024; Aug 2024

Wastewater Discharger Registration Database:

Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks:

Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal TCFT

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

Government Publication Date: 1970 - Apr 2024

Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011 - Sep 30, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

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

Government Publication Date: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Radon Information

Detailed radon information for the project property is provided below.

Radon Zone Information

ID: 144850 **Radon Rank:** HIGH

Health Canada Radon Information

Health Region: 3566
Health Region Name: Wellington-Dufferin-Guelph Health Unit
Province or Territory: ON
Number Homes in Survey: 92
% Below 200 Bq/m3: 89.1
% Above 200 Bq/m3: 10.9
200 to 600 Bq/m3: 8.7
% Above 600 Bq/m3: 2.2



CITY
DIRECTORY

Project Property: *Broos Arthur
211 Eliza Street
Arthur, ON N0G 1A0*

Project No: *8725*

Requested By: *A&A Environmental Consultants Inc.*

Order No: *24112600107*

Date Completed: *December 02, 2024*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

December 02, 2024
RE: CITY DIRECTORY RESEARCH
211 Eliza Street
Arthur, ON N0G 1A0

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:

100-240 of Eliza Street
7990-8010 of Wellington County Road 109

Search Notes:

Arthur ON is last listed in 2012

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	

Environmental Risk Information Services

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215 CARESSANT CARE...NURSING & CONVALESCENT HOMES
 215 CARESSANT CARE...RETIREMENT COMMUNITIES & HOMES
 215 FRANK ELLIOTT...RESIDENTIAL
 215 M PARKS...RESIDENTIAL
 231 ARTHUR DENTAL...DENTISTS
 231 DR KIM ANDREW...DENTISTS

7999 PITA PIT...FOODS-CARRY OUT
 7999 PITA PIT...RESTAURANTS
 7999 PIZZA HUT...RESTAURANTS
 7999 PIZZA HUT...PIZZA
 7999 SUBWAY...FOODS-CARRY OUT
 7999 SUBWAY...RESTAURANTS

215 **CAESSANT CARE**...RETIREMENT PLANNING SERVICES
215 **CAESSANT CARE**...NON-PROFIT ORGANIZATIONS
215 **FRANK ELLIOTT**...RESIDENTIAL
215 **M PARKS**...RESIDENTIAL
231 **ARTHUR DENTAL**...DENTISTS
231 **DR KIM ANDREW**...DENTISTS
231 **KIM ANDREW DDS**...DENTISTS

7999 **SUBWAY**...FOODS-CARRY OUT
8006 **PIONEER**...CONVENIENCE STORES
8006 **PIONEER**...ALTERNATIVE FUELS
8008 **TIM HORTONS**...COFFEE & TEA
8008 **TIM HORTONS**...DOUGHNUTS

- 215 CAESSANT CARE...NURSING CARE FACILITIES
- 215 CAESSANT CARE...CONTINUING CARE RETIREMENT COMMUNITIES
- 231 KIM ANDREW DDS...OFFICES OF DENTISTS
- 231 SHERK MARGARET DDS...OFFICES OF DENTISTS

- 7994 PETRO-CANADA...SERVICE STATIONS-GASOLINE & OIL
- 8006 PIONEER PETROLEUM INC...OTHER GASOLINE STATIONS
- 8006 PIONEER PETROLEUMS...OTHER GASOLINE STATIONS
- 8006 PIONEER PETROLEUMS...ALTERNATIVE FUELS

215 **CARESSANT CARE**...NURSING CARE FACILITIES
231 **JOYCE, J D DDS**...OFFICES OF DENTISTS
231 **SHERK, MARGARET DDS**...OFFICES OF DENTISTS

8006 **PIONEER PETROLEUM INC**...OTHER GASOLINE STATIONS

APPENDIX E – Historical Aerial Photographs



HISTORICAL AERIALS

Project Property: Broos Arthur
211 Eliza Street
Arthur ON N0G 1A0

Project No: 8725

Requested By: A&A Environmental Consultants Inc.

Order No: 24112600107

Date Completed: November 29, 2024

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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Date	Source	Scale	Comments
2022	Maxar Technologies	10,000	
1980	National Air Photo Library	10,000	
1969	National Air Photo Library	10,000	
1954	Hunting Survey Corporation Limited	10,000	Best Copy Available

250
Meters



Year: 2022
Source: MAXAR
Scale: 10,000
Comment:

Address: 211 Eliza Street, Arthur, ON
Approx Center: -80.530379,43.830202

Order No: 24112600107



250
Meters



Year: 1980
Source: NAPL
Scale: 10,000
Comment:

Address: 211 Eliza Street, Arthur, ON
Approx Center: -80.530379,43.830202

Order No: 24112600107



250
Meters



Year: 1969
Source: NAPL
Scale: 10,000
Comment:

Address: 211 Eliza Street, Arthur, ON
Approx Center: -80.530379,43.830202

Order No: 24112600107



250
Meters



Year: 1954
Source: HSC
Scale: 10,000
Comment: Best Copy Available

Address: 211 Eliza Street, Arthur, ON
Approx Center: -80.530379,43.830202

Order No: 24112600107



APPENDIX F – Freedom of Information, WWIS, TSSA Response

Ministry of the Environment,
Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2



December 2, 2024

Ms. Shirley Cairns
A & A Environmental Consultants Inc.
16 Young Street
Woodstock, Ontario N4S 3L4
scairns@aaenvironmental.ca

Dear Shirley Cairns:

RE: **MECP FOI A-2024-07676, Your Reference 8725 – 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:

211 Eliza Street, Arthur

Time Period: 1986/01/01 to 2024/11/26

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. This file is now closed.

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 Daniela Jaramillo at daniela.jaramillo@ontario.ca.

Yours truly,
Daniela Jaramillo

for
Josephine DeSouza
Manager, Access and Privacy Office

Ministry of the Environment,
Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2



January 16, 2025

Ms. Shirley Cairns
A & A Environmental Consultants Inc.
16 Young Street
Woodstock, Ontario N4S 3L4
scairns@aaenvironmental.ca

Dear Shirley Cairns:

RE: **MECP FOI A-2025-00284, Your Reference 8725 – 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:

8014 Wellington Road 109, Arthur
Timeframe: January 1st, 1986 to January 15th, 2025

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. This file is now closed.

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 Roxanne Chambers at 807-456-3035 or roxanne.chambers@ontario.ca.

Yours truly,

Roxanne Chambers

for

Josephine DeSouza
Manager, Access and Privacy Office

Water Well Records - Report #8725

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
WEST GARAFRAXA TOWNS CON 01 037	17 537770 4852812 W	2012-06 7466						7183961 (Z119352) A	
ARTHUR VILLAGE	17 537695 4852834 W	2006-06 7241	1.5				0006 10	6715824 (Z50137) A039339	BRWN SAND SILT FILL 0010 BRWN CLAY SILT GRVL 0016
ARTHUR VILLAGE	17 537693 4853116 W	2006-08 6634						6715886 (Z71053) A043259 A	
WEST GARAFRAXA TOWNS CON 01 037	17 537911 4852731 W	2021-08 7557						7406111 (Z369100) A325756 P	
ARTHUR VILLAGE	17 537716 4852903 W	2006-01 6061						6715657 (Z39480) A	
WEST GARAFRAXA TOWNS	17 537950 4852863 W	2011-10 7366						7171480 (M10955) A121250 P	
ARTHUR VILLAGE	17 537985 4852936 W	2010-05 7221						7158779 (Z125322) A	
WEST LUTHER TOWNSHIP CON 01 001	17 537760 4853170 W	2016-04 7557						7263086 (Z218731) A	
WEST GARAFRAXA TOWNS CON 01 036	17 538593 4852931 W	2016-04 6475						7263957 (Z210104) A183626	
ARTHUR VILLAGE	17 537785 4852848 W	2016-06 7215						7276127 (C33098) A206774 P	

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
WEST LUTHER TOWNSHIP	17 537748 4852912 W	2014-06 7383						7228721 (C18533) A151231 P	

11

WEST GARAFRAXA TOWNS CON 01 037	17 537845 4852850 W	1952-10 2411	4 4	FR 0216	40/44/10/5:0	CO		6702882 ()	CLAY BLDR 0060 CLAY 0115 GRVL 0200 LMSN 0216
ARTHUR VILLAGE	17 537731 4852904 W	1998-12 3406	6	UK 0056 UK 0143	27/43/20/24:0	CO		6712922 (201732)	BRWN FILL 0011 BRWN CLAY STNS TILL 0056 BRWN SAND CLAY SILT 0061 BRWN CLAY STNS 0121 BRWN CLAY STNS 0143 BRWN GRVL SAND 0153

CO 2

WEST GARAFRAXA TOWNS CON 01 037	17 538211 4852929 W	1987-07 3740	5 5	FR 0210	15/20/30/1:	DO		6708870 (06077)	BRWN CLAY 0040 GREY HPAN BLDR 0188 BRWN SHLE SOFT 0198 GREY LMSN 0210
WEST GARAFRAXA TOWNS CON 01 037	17 537873 4852775 W	1956-10 1723	4 4	FR 0244	70/75/15/:	DO		6702883 ()	PRDG 0012 CLAY 0228 LMSN 0244
PEEL TOWNSHIP CON B 023	17 537704 4852817 W	1956-04 1723	4 4	FR 0200 FR 0274	28/80/2/:	DO		6701959 ()	CLAY STNS 0220 SHLE 0225 GREY LMSN 0283
WEST GARAFRAXA TOWNS CON 01 037	17 537934 4852723 W	1968-07 1705	4	FR 0217	68/79/7/5:0	DO		6703273 ()	CLAY 0018 MSND GRVL CLAY 0100 MSND 0138 CLAY 0143 MSND HPAN 0172 HPAN 0178 HPAN MSND GRVL 0207 CSND 0217
PEEL TOWNSHIP CON B 023	17 537693 4852774 W	1997-10 2576	6	FR 0190	45//30/1:30	DO	0192 4	6712367 (177667)	LOAM 0001 BRWN CLAY 0008 BRWN SILT GRVL 0141 BRWN CLAY GRVL 0176 BRWN SAND GRVL CGRD 0196
WEST GARAFRAXA TOWNS CON 01 037	17 538514 4853073 W	1977-07 4856	4 4	FR 0186	33/80/12/1:30	DO		6706459 ()	BLCK LOAM 0001 BRWN CLAY GRVL 0010 GREY CLAY STNS 0029 BRWN HPAN GRVL 0070 GREY SILT STNS 0095 WHIT GRVL SAND 0122 BRWN HPAN GRVL 0170 RED CLAY 0174 BRWN GRVL 0186
WEST GARAFRAXA TOWNS CON 01 037	17 537849 4852855 W	1997-04 2576	6 6	FR 0156 FR 0198 FR 0217	23//150/2:0	DO		6712213 (177322)	FILL 0002 GREY CLAY STKY 0010 GREY CLAY SLTY GRVL 0049 BRWN GRVL SILT 0094 BRWN SAND GRVL WBRG 0103 GREY CLAY GRVL 0120 BRWN CLAY STNS WBRG 0156 BRWN SAND GRVL WBRG 0175 YLLW SHLE LMSN FCRD 0220

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
WEST LUTHER TOWNSHIP CON 01 002	17 538514 4853173 W	1974-06 2519	5	FR 0180	38/60/10/2:0	DO		6705119 ()	BRWN CLAY 0010 GREY CLAY STNS 0165 GREY HPAN 0180 GRVL 0180
WEST LUTHER TOWNSHIP CON 01 002	17 538274 4853093 W	1972-09 3737	4	FR 0220 FR 0223	51/55/10/2:0	DO		6704343 ()	BRWN HPAN GRVL BLDR 0150 BRWN CLAY GRVL BLDR 0208 BRWN GRVL 0220 BLCK GRVL 0223
WEST GARAFRAXA TOWNS CON 01 037	17 538164 4852953 W	1969-12 2406	6	FR 0210	22/28/10/3:0	DO		6703483 ()	BRWN CLAY BLDR 0035 BRWN CLAY STNS 0070 BRWN CLAY GRVL 0120 BRWN MSND SILT CLAY 0186 YLLW CLAY 0196 LMSN MSND 0215
DO 10									
WEST LUTHER TOWNSHIP CON 01 002	17 538443 4853154 W	1985-05 3740	5	FR 0245 FR 0255	30/90/6/1:45	DO ST		6708240 ()	BLCK LOAM 0001 BRWN CLAY 0008 GREY CLAY STNS 0037 GREY HPAN BLDR 0165 GREY HPAN GRVL 0186 BRWN SAND CLAY 0209 BRWN LMSN 0215 GREY LMSN 0255
DO ST 1									
ARTHUR VILLAGE	17 537670 4853074 W	2010-05 7221				MO		7149905 (Z104704) A	
ARTHUR TOWNSHIP	17 537631 4852888 W	2010-05 7383	0.79 0.79			MO		7145549 (M06954) A069003	BLCK 0007 BRWN SAND GRVL FILL 0016 BRWN SILT CLAY SOFT 0041 BRWN SAND SILT LOOS 0066
MO 2									
WEST GARAFRAXA TOWNS	17 537758 4852832 W	2011-03 7241	1.58			MT	0006 10	7161021 (Z124017) A096345	BLCK SOFT 0000 BRWN SAND SOFT 0013 BRWN FSND SOFT 0016
WEST GARAFRAXA TOWNS	17 537767 4852842 W	2011-03 7241	1.58			MT	0007 10	7161022 (Z124018) A096285	BLCK SOFT 0000 BRWN SAND SOFT 0013 BRWN SILT FSND SOFT 0017
WEST GARAFRAXA TOWNS	17 537769 4852841 W	2011-03 7241	1.58			MT	0010 10	7161023 (Z124019) A096284	BLCK SOFT 0000 BRWN SAND SOFT 0016 BRWN SILT FSND SOFT 0020
ARTHUR VILLAGE	17 537663 4852858 W	2011-05 7190	2 2	UT 0015		MT	0005 10	7163864 (Z120266) A105833	BRWN LOAM LOOS 0001 BRWN SAND GRVL LOOS 0003 BRWN SILT GRVL 0010 GREY SAND GRVL DNSE 0015

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
WEST GARAFRAXA TOWNS	17 537760 4852854 W	2013-10 7241	1.5			MT	0005 10	7210891 (Z179156) A152548	BRWN FILL LOOS 0004 GREY SAND SILT GRVL 0012 GREY SAND GRVL SILT 0015
ARTHUR VILLAGE	17 537785 4852864 W	2013-10 7241	1.5			MT	0005 10	7210892 (Z179159) A152547	BRWN FILL LOOS 0002 BRWN SAND SILT LOOS 0013 BRWN SAND SILT HARD 0015
WEST GARAFRAXA TOWNS	17 537744 4852832 W	2013-10 7241	1.5			MT	0005 10	7210893 (Z179155) A152550	BRWN FILL LOOS 0003 BRWN SAND SILT LOOS 0012 BRWN TILL DNSE 0015
WEST GARAFRAXA TOWNS	17 537749 4852823 W	2013-10 7241	1.5			MT	0005 10	7210895 (Z179158) A150688	BRWN FILL LOOS 0002 BRWN SAND SILT DNSE 0009 BRWN TILL DNSE 0015
ARTHUR VILLAGE	17 537947 4853283 W	2019-01 6607	2.00		///:	MT	0015 5	7331058 (Z282666) A246140	BRWN CLAY SLTY 0016 GREY CLAY SAND LYRD 0020
ARTHUR VILLAGE	17 538256 4853242 W	2019-01 6607	2.00		///:	MT	0017 5	7331059 (Z282667) A246142	BRWN LOAM 0003 BRWN SAND CLAY SLTY 0006 BRWN SILT TILL CLYY 0015 GREY SAND TILL GRVL 0022
ARTHUR VILLAGE	17 537956 4852944 W	2019-01 6607	2.00		///:	MT	0020 5	7331060 (Z282668) A246146	BRWN SAND GRVL WBRG 0005 BRWN SAND GRVL CLYY 0015 BRWN SAND GRVL SLTY 0025
MT 11									
WEST GARAFRAXA TOWNS CON 01 037	17 537849 4852855 W	1997-04 2576	5			NU		6712214 (177323) A	PRDG 0112
NU 1									

Notes:
 UTM: UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
 DATE CNTR: Date Work Completed and Well Contractor Licence Number
 CASING DIA: .Casing diameter in inches
 WATER: Unit of Depth in Fee. See Table 4 for Meaning of Code

PUMP TEST: Static Water Level in Feet / Water Level After Pumping in Feet / Pump Test Rate in GPM / Pump Test Duration in Hour : Minutes
 WELL USE: See Table 3 for Meaning of Code
 SCREEN: Screen Depth and Length in feet
 WELL: WEL (AUDIT #) Well Tag . A: Abandonment; P: Partial Data Entry Only
 FORMATION: See Table 1 and 2 for Meaning of Code

1. Core Material and Descriptive terms

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
BLDR	BOULDERS	FCRD	FRACTURED	IRFM	IRON FORMATION	PORS	POROUS	SOFT	SOFT
BSLT	BASALT	FGRD	FINE-GRAINED	LIMY	LIMY	PRDG	PREVIOUSLY DUG	SPST	SOAPSTONE
CGRD	COARSE-GRAINED	FGVL	FINE GRAVEL	LMSN	LIMESTONE	PRDR	PREV. DRILLED	STKY	STICKY
CGVL	COARSE GRAVEL	FILL	FILL	LOAM	TOPSOIL	QRTZ	QUARTZITE	STNS	STONES
CHRT	CHERT	FLDS	FELDSPAR	LOOS	LOOSE	QSND	QUICKSAND	STNY	STONE
CLAY	CLAY	FLNT	FLINT	LTCL	LIGHT-COLOURED	QTZ	QUARTZ	THIK	THICK
CLN	CLEAN	FOSS	FOSILIFEROUS	LYRD	LAYERED	ROCK	ROCK	THIN	THIN
CLYY	CLAYEY	FSND	FINE SAND	MARL	MARL	SAND	SAND	TILL	TILL
CMTD	CEMENTED	GNIS	GNEISS	MGRD	MEDIUM-GRAINED	SHLE	SHALE	UNKN	UNKNOWN TYPE
CONG	CONGLOMERATE	GRNT	GRANITE	MGVL	MEDIUM GRAVEL	SHLY	SHALY	VERY	VERY
CRYS	CRYSTALLINE	GRSN	GREENSTONE	MRBL	MARBLE	SHRP	SHARP	WBRG	WATER-BEARING
CSND	COARSE SAND	GRVL	GRAVEL	MSND	MEDIUM SAND	SHST	SCHIST	WDFR	WOOD FRAGMENTS
DKCL	DARK-COLOURED	GRWK	GREYWACKE	MUCK	MUCK	SILT	SILT	WTHD	WEATHERED
DLMT	DOLOMITE	GVLY	GRAVELLY	OBDN	OVERBURDEN	SLTE	SLATE		
DNSE	DENSE	GYPS	GYPSUM	PCKD	PACKED	SLTY	SILTY		
DRTY	DIRTY	HARD	HARD	PEAT	PEAT	SNDS	SANDSTONE		
DRY	DRY	HPAN	HARDPAN	PGVL	PEA GRAVEL	SNDY	SANDY SOAPSTONE		

2. Core Color

Code	Description
WHIT	WHITE
GREY	GREY
BLUE	BLUE
GRN	GREEN
YLLW	YELLOW
BRWN	BROWN
RED	RED
BLCK	BLACK
BLGY	BLUE-GREY

3. Well Use

Code	Description	Code	Description
DO	Domestic	OT	Other
ST	Livestock	TH	Test Hole
IR	Irrigation	DE	Dewatering
IN	Industrial	MO	Monitoring
CO	Commercial	MT	Monitoring TestHole
MN	Municipal		
PS	Public		
AC	Cooling And A/C		
NU	Not Used		

4. Water Detail

Code	Description	Code	Description
FR	Fresh	GS	Gas
SA	Salty	IR	Iron
SU	Sulphur		
MN	Mineral		
UK	Unknown		

Shirley Cairns

From: Public Information Services <publicinformationservices@tssa.org>
Sent: November 26, 2024 1:28 PM
To: Shirley Cairns
Subject: RE: TSSA Request #8725

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

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

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

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

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

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

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

Kind regards,



Slavka Zahrebelny | Public Information & Records Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org
www.tssa.org



Winner of 2024 5-Star Safety Cultures Award

From: Shirley Cairns <scairns@aaenvironmental.ca>
Sent: Tuesday, November 26, 2024 10:34 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Request #8725

[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.

Hello,

Can you please tell me if you have any records for fuel tanks for the property located at 211 Eliza Street, Arthur ON?

Please let me know and I will order accordingly.

Thank you,

Shirley Cairns

Office Administrator
A & A Environmental Consultants Inc.
16 Young Street, Woodstock, ON N4S 3L4
P: 519-266-4680 ext 4689
F: 519-266-3666



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From: Public Information Services <publicinformationsservices@tssa.org>
Sent: January 15, 2025 12:40 PM
To: Shirley Cairns
Subject: RE: TSSA Request #8725

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **elevating/amusement/ski devices** records in our database at the subject address(es).
- We confirm that there are NO **boilers/pressure vessels** records in our database at the subject address(es).
- We confirm that there are NO **fuels records** in our database at the subject address(es).

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

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

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

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

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

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

Kind regards,



Melanie Fowler | Public Information Releases Agent

Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: mfowler@tssa.org
www.tssa.org



From: Shirley Cairns
<scairns@aaenvironmental.ca>
Sent: Wednesday, January 15, 2025
12:28 PM
To: Public Information Services
<publicinformationsservices@tssa.org>
Subject: TSSA Request #8725



Winner of 2023 5-Star Safety Cultures Award

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Hello,

Can you please tell me if you have any records for fuel tanks for the property located at

8014 Wellington Road 109, Arthur ON?

Please let me know and I will order accordingly.

Thank you,

Shirley Cairns

Office Administrator
A & A Environmental Consultants Inc.
16 Young Street, Woodstock, ON N4S 3L4
P: 519-266-4680 ext 4689
F: 519-266-3666



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